

Faculty Publications

A compilation of publications from 2011–2017*

Department of Mathematics

University of Illinois at Urbana-Champaign

*Based on MathSciNet records as of May, 2017

Publications by Faculty

- S. Ahlgren (with J. Rouse), “Congruences for newforms and the index of the Hecke algebra,” *Proc. Amer. Math. Soc.*, vol. 139, no. 4, pp. 1247–1261, 2011.
- S. Ahlgren (with K. Bringmann, J. Lovejoy), “ ℓ -adic properties of smallest parts functions,” *Adv. Math.*, vol. 228, no. 1, pp. 629–645, 2011.
- S. Ahlgren, “Hecke relations for traces of singular moduli,” *Bull. Lond. Math. Soc.*, vol. 44, no. 1, pp. 99–105, 2012.
- S. Ahlgren (with B. Kim), “Mock modular grids and Hecke relations for mock modular forms,” *Forum Math.*, vol. 26, no. 4, pp. 1261–1287, 2014.
- S. Ahlgren (with N. Andersen), “Hecke grids and congruences for weakly holomorphic modular forms,” in *Ramanujan 125*, vol. 627 of *Contemp. Math.*, pp. 1–16, Amer. Math. Soc., Providence, RI, 2014.
- S. Ahlgren (with N. Andersen), “Euler-like recurrences for smallest parts functions,” *Ramanujan J.*, vol. 36, no. 1-2, pp. 237–248, 2015.
- S. Ahlgren (with B. Kim), “Mock theta functions and weakly holomorphic modular forms modulo 2 and 3,” *Math. Proc. Cambridge Philos. Soc.*, vol. 158, no. 1, pp. 111–129, 2015.
- S. Ahlgren (with B. Kim), “Dissections of a “strange” function,” *Int. J. Number Theory*, vol. 11, no. 5, pp. 1557–1562, 2015.
- S. Ahlgren (with N. Andersen), “Weak harmonic Maass forms of weight $5/2$ and a mock modular form for the partition function,” *Res. Number Theory*, vol. 1, pp. Art. 10, 16, 2015.
- S. Ahlgren (with N. Andersen), “Algebraic and transcendental formulas for the smallest parts function,” *Adv. Math.*, vol. 289, pp. 411–437, 2016.
- S. Ahlgren (with D. Samart), “A note on cusp forms as p -adic limits,” *J. Number Theory*, vol. 168, pp. 360–373, 2016.
- S. Ahlgren (with N. Andersen), “Corrigendum to “Algebraic and transcendental formulas for the smallest parts function” [Adv. Math. 289 (2016) 411–437][MR3439692],” *Adv. Math.*, vol. 311, pp. 933–934, 2017.
- P. Albin (with R. Melrose), “Resolution of smooth group actions,” in *Spectral theory and geometric analysis*, vol. 535 of *Contemp. Math.*, pp. 1–26, Amer. Math. Soc., Providence, RI, 2011.
- P. Albin (with H. Christianson, J. L. Marzuola, L. Thomann), “Construction of nonlinear quasi-modes near elliptic periodic orbits,” *Phys. D*, vol. 241, no. 4, pp. 409–425, 2012.
- P. Albin (with E. Leichtnam, R. Mazzeo, P. Piazza), “The signature package on Witt spaces,” *Ann. Sci. Éc. Norm. Supér. (4)*, vol. 45, no. 2, pp. 241–310, 2012.

- P. Albin (with C. L. Aldana, F. Rochon), “Ricci flow and the determinant of the Laplacian on non-compact surfaces,” *Comm. Partial Differential Equations*, vol. 38, no. 4, pp. 711–749, 2013.
- P. Albin (with C. Guillarmou, L. Tzou, G. Uhlmann), “Inverse boundary problems for systems in two dimensions,” *Ann. Henri Poincaré*, vol. 14, no. 6, pp. 1551–1571, 2013.
- P. Albin (with F. Rochon), “Some index formulae on the moduli space of stable parabolic vector bundles,” *J. Aust. Math. Soc.*, vol. 94, no. 1, pp. 1–37, 2013.
- P. Albin (with C. Aldana, F. Rochon), “Relatively isospectral noncompact surfaces,” in *Microlocal methods in mathematical physics and global analysis*, Trends Math., pp. 87–89, Birkhäuser/Springer, Basel, 2013.
- P. Albin (with M. Banagl, E. Leichtnam, R. Mazzeo, P. Piazza), “Refined intersection homology on non-Witt spaces,” *J. Topol. Anal.*, vol. 7, no. 1, pp. 105–133, 2015.
- P. Albin (with C. L. Aldana, F. Rochon), “Compactness of relatively isospectral sets of surfaces via conformal surgeries,” *J. Geom. Anal.*, vol. 25, no. 2, pp. 1185–1210, 2015.
- P. Albin (with J. Gell-Redman), “The index of Dirac operators on incomplete edge spaces,” *SIGMA Symmetry Integrability Geom. Methods Appl.*, vol. 12, pp. Paper No. 089, 45, 2016.
- P. B. Allen, “Modularity of nearly ordinary 2-adic residually dihedral Galois representations,” *Compos. Math.*, vol. 150, no. 8, pp. 1235–1346, 2014.
- P. B. Allen (with F. Calegari), “Finiteness of unramified deformation rings,” *Algebra Number Theory*, vol. 8, no. 9, pp. 2263–2272, 2014.
- P. B. Allen, “Deformations of polarized automorphic Galois representations and adjoint Selmer groups,” *Duke Math. J.*, vol. 165, no. 13, pp. 2407–2460, 2016.
- M. Ando (with J. P. C. Greenlees), “Circle-equivariant classifying spaces and the rational equivariant sigma genus,” *Math. Z.*, vol. 269, no. 3-4, pp. 1021–1104, 2011.
- M. Ando (with E. Sharpe), “Two-dimensional topological field theories as taffy,” *Adv. Theor. Math. Phys.*, vol. 15, no. 1, pp. 179–244, 2011.
- M. Ando (with E. Sharpe), “Elliptic genera of Landau-Ginzburg models over nontrivial spaces,” *Adv. Theor. Math. Phys.*, vol. 16, no. 4, pp. 1087–1144, 2012.
- M. Ando (with A. J. Blumberg, D. Gepner, M. J. Hopkins, C. Rezk), “An ∞ -categorical approach to R -line bundles, R -module Thom spectra, and twisted R -homology,” *J. Topol.*, vol. 7, no. 3, pp. 869–893, 2014.
- M. Ando (with A. J. Blumberg, D. Gepner, M. J. Hopkins, C. Rezk), “Units of ring spectra, orientations and Thom spectra via rigid infinite loop space theory,” *J. Topol.*, vol. 7, no. 4, pp. 1077–1117, 2014.
- J. Balogh (with B. Bollobás, M. Simonovits), “The fine structure of octahedron-free graphs,” *J. Combin. Theory Ser. B*, vol. 101, no. 2, pp. 67–84, 2011.

- J. Balogh (with N. Alon, B. Bollobás, R. Morris), “The structure of almost all graphs in a hereditary property,” *J. Combin. Theory Ser. B*, vol. 101, no. 2, pp. 85–110, 2011.
- J. Balogh (with J. Butterfield), “Excluding induced subgraphs: critical graphs,” *Random Structures Algorithms*, vol. 38, no. 1-2, pp. 100–120, 2011.
- J. Balogh (with B. Csaba, W. Samotij), “Local resilience of almost spanning trees in random graphs,” *Random Structures Algorithms*, vol. 38, no. 1-2, pp. 121–139, 2011.
- J. Balogh (with D. Mubayi), “Almost all triple systems with independent neighborhoods are semi-bipartite,” *J. Combin. Theory Ser. A*, vol. 118, no. 4, pp. 1494–1518, 2011.
- J. Balogh (with W. Samotij), “The number of $K_{s,t}$ -free graphs,” *J. Lond. Math. Soc. (2)*, vol. 83, no. 2, pp. 368–388, 2011.
- J. Balogh (with W. Samotij), “On the Chvátal-Erdős triangle game,” *Electron. J. Combin.*, vol. 18, no. 1, pp. Paper 72, 15, 2011.
- J. Balogh (with A. V. Kostochka), “Large minors in graphs with given independence number,” *Discrete Math.*, vol. 311, no. 20, pp. 2203–2215, 2011.
- J. Balogh (with B. Bollobás, T. Krivelevich, Michael and Müller, M. Walters), “Hamilton cycles in random geometric graphs,” *Ann. Appl. Probab.*, vol. 21, no. 3, pp. 1053–1072, 2011.
- J. Balogh (with W. Samotij), “The number of $K_{m,m}$ -free graphs,” *Combinatorica*, vol. 31, no. 2, pp. 131–150, 2011.
- J. Balogh (with J. Lenz, H. Wu), “Complete minors, independent sets, and chordal graphs,” *Discuss. Math. Graph Theory*, vol. 31, no. 4, pp. 639–674, 2011.
- J. Balogh (with A. Pluhár), “The positive minimum degree game on sparse graphs,” *Electron. J. Combin.*, vol. 19, no. 1, pp. Paper 22, 7, 2012.
- J. Balogh (with B. Bollobás, R. Duminil-Copin, Hugo and Morris), “The sharp threshold for bootstrap percolation in all dimensions,” *Trans. Amer. Math. Soc.*, vol. 364, no. 5, pp. 2667–2701, 2012.
- J. Balogh (with C. Lee, W. Samotij), “Corrádi and Hajnal’s theorem for sparse random graphs,” *Combin. Probab. Comput.*, vol. 21, no. 1-2, pp. 23–55, 2012.
- J. Balogh (with B. Bollobás, R. Morris, O. Riordan), “Linear algebra and bootstrap percolation,” *J. Combin. Theory Ser. A*, vol. 119, no. 6, pp. 1328–1335, 2012.
- J. Balogh (with D. Mubayi), “Almost all triangle-free triple systems are tripartite,” *Combinatorica*, vol. 32, no. 2, pp. 143–169, 2012.
- J. Balogh (with B. Bollobás, R. Morris), “Graph bootstrap percolation,” *Random Structures Algorithms*, vol. 41, no. 4, pp. 413–440, 2012.
- J. Balogh (with J. Lenz), “Some exact Ramsey-Turán numbers,” *Bull. Lond. Math. Soc.*, vol. 44, no. 6, pp. 1251–1258, 2012.

- J. Balogh (with T. Bohman, B. Bollobás, Y. Zhao), “Turán densities of some hypergraphs related to K_{k+1}^k ,” *SIAM J. Discrete Math.*, vol. 26, no. 4, pp. 1609–1617, 2012.
- J. Balogh (with A. V. Kostochka, A. Raigorodskii), “Coloring some finite sets in \mathbb{R}^n ,” *Discuss. Math. Graph Theory*, vol. 33, no. 1, pp. 25–31, 2013.
- J. Balogh (with H. González-Aguilar, G. Salazar), “Large convex holes in random point sets,” *Comput. Geom.*, vol. 46, no. 6, pp. 725–733, 2013.
- J. Balogh (with A. V. Kostochka, A. Treglown), “On perfect packings in dense graphs,” *Electron. J. Combin.*, vol. 20, no. 1, pp. Paper 57, 17, 2013.
- J. Balogh (with J. Lenz), “On the Ramsey-Turán numbers of graphs and hypergraphs,” *Israel J. Math.*, vol. 194, no. 1, pp. 45–68, 2013.
- J. Balogh (with G. Kemkes, C. Lee, S. J. Young), “Towards a weighted version of the Hajnal-Szemerédi theorem,” *Combin. Probab. Comput.*, vol. 22, no. 3, pp. 346–350, 2013.
- J. Balogh (with C. Palmer), “On the tree packing conjecture,” *SIAM J. Discrete Math.*, vol. 27, no. 4, pp. 1995–2006, 2013.
- J. Balogh (with P. Hu, B. Lidický, H. Liu), “Upper bounds on the size of 4- and 6-cycle-free subgraphs of the hypercube,” *European J. Combin.*, vol. 35, pp. 75–85, 2014.
- J. Balogh (with N. Alon, R. Morris, W. Samotij), “A refinement of the Cameron-Erdős conjecture,” *Proc. Lond. Math. Soc. (3)*, vol. 108, no. 1, pp. 44–72, 2014.
- J. Balogh (with N. Alon, R. Morris, W. Samotij), “Counting sum-free sets in abelian groups,” *Israel J. Math.*, vol. 199, no. 1, pp. 309–344, 2014.
- J. Balogh (with R. Morris, W. Samotij), “Random sum-free subsets of abelian groups,” *Israel J. Math.*, vol. 199, no. 2, pp. 651–685, 2014.
- J. Balogh (with v. S. Petříčková), “The number of the maximal triangle-free graphs,” *Bull. Lond. Math. Soc.*, vol. 46, no. 5, pp. 1003–1006, 2014.
- J. Balogh (with R. Mycroft, A. Treglown), “A random version of Sperner’s theorem,” *J. Combin. Theory Ser. A*, vol. 128, pp. 104–110, 2014.
- J. Balogh (with H. Liu), “On the number of K_4 -saturating edges,” *J. Combin. Theory Ser. B*, vol. 109, pp. 250–257, 2014.
- J. Balogh (with J. Barát, D. Gerbner, A. Gyárfás, G. N. Sárközy), “Partitioning 2-edge-colored graphs by monochromatic paths and cycles,” *Combinatorica*, vol. 34, no. 5, pp. 507–526, 2014.
- J. Balogh (with S. Das, M. Delcourt, H. Liu, M. Sharifzadeh), “Intersecting families of discrete structures are typically trivial,” *J. Combin. Theory Ser. A*, vol. 132, pp. 224–245, 2015.
- J. Balogh (with H. Liu, M. Sharifzadeh), “Subdivisions of a large clique in C_6 -free graphs,” *J. Combin. Theory Ser. B*, vol. 112, pp. 18–35, 2015.

- J. Balogh (with R. Morris, W. Samotij), “Independent sets in hypergraphs,” *J. Amer. Math. Soc.*, vol. 28, no. 3, pp. 669–709, 2015.
- J. Balogh (with G. Salazar), “Book embeddings of regular graphs,” *SIAM J. Discrete Math.*, vol. 29, no. 2, pp. 811–822, 2015.
- J. Balogh (with P. Hu, B. Lidický, O. Pikhurko, B. Udvari, J. Volec), “Minimum number of monotone subsequences of length 4 in permutations,” *Combin. Probab. Comput.*, vol. 24, no. 4, pp. 658–679, 2015.
- J. Balogh (with P. Hu, M. Simonovits), “Phase transitions in Ramsey-Turán theory,” *J. Combin. Theory Ser. B*, vol. 114, pp. 148–169, 2015.
- J. Balogh (with H. Liu, M. Sharifzadeh, A. Treglown), “The number of maximal sum-free subsets of integers,” *Proc. Amer. Math. Soc.*, vol. 143, no. 11, pp. 4713–4721, 2015.
- J. Balogh (with J. Leaños, G. Salazar), “On the decay of crossing numbers of sparse graphs,” *J. Graph Theory*, vol. 80, no. 3, pp. 226–251, 2015.
- J. Balogh (with B. Bollobás, B. P. Narayanan), “Transference for the Erdős-Ko-Rado theorem,” *Forum Math. Sigma*, vol. 3, pp. e23, 18, 2015.
- J. Balogh (with H. Liu, v. S. Petříčková, M. Sharifzadeh), “The typical structure of maximal triangle-free graphs,” *Forum Math. Sigma*, vol. 3, pp. e20, 19, 2015.
- J. Balogh (with P. Hu, B. Lidický, F. Pfender), “Maximum density of induced 5-cycle is achieved by an iterated blow-up of 5-cycle,” *European J. Combin.*, vol. 52, no. part A, pp. 47–58, 2016.
- J. Balogh (with J. Butterfield, P. Hu, J. Lenz, D. Mubayi), “On the chromatic thresholds of hypergraphs,” *Combin. Probab. Comput.*, vol. 25, no. 2, pp. 172–212, 2016.
- J. Balogh (with R. Morris, W. Samotij, L. Warnke), “The typical structure of sparse K_{r+1} -free graphs,” *Trans. Amer. Math. Soc.*, vol. 368, no. 9, pp. 6439–6485, 2016.
- J. Balogh (with J. Butterfield, P. Hu, J. Lenz), “Mantel’s theorem for random hypergraphs,” *Random Structures Algorithms*, vol. 48, no. 4, pp. 641–654, 2016.
- J. Balogh (with M. Delcourt, B. Lidický, C. Palmer), “Rainbow copies of C_4 in edge-colored hypercubes,” *Discrete Appl. Math.*, vol. 210, pp. 35–37, 2016.
- J. Balogh (with J. Lenz), “Hypergraphs with zero chromatic threshold,” *Graphs Combin.*, vol. 32, no. 4, pp. 1249–1262, 2016.
- J. Balogh (with A. Z. Wagner), “Further applications of the container method,” in *Recent trends in combinatorics*, vol. 159 of *IMA Vol. Math. Appl.*, pp. 191–213, Springer, [Cham], 2016.
- J. Balogh (with B. Csaba, R. R. Martin, A. Pluhá r), “On the path separation number of graphs,” *Discrete Appl. Math.*, vol. 213, pp. 26–33, 2016.
- J. Balogh (with T. Molla, M. Sharifzadeh), “Triangle factors of graphs without large independent sets and of weighted graphs,” *Random Structures Algorithms*, vol. 49, no. 4, pp. 669–693, 2016.

- J. Balogh (with A. Treglown, A. Z. Wagner), “Applications of graph containers in the Boolean lattice,” *Random Structures Algorithms*, vol. 49, no. 4, pp. 845–872, 2016.
- J. Balogh (with A. Lo, T. Molla), “Transitive triangle tilings in oriented graphs,” *J. Combin. Theory Ser. B*, vol. 124, pp. 64–87, 2017.
- Y. Baryshnikov (with W. Brady, A. Bressler, R. Pemantle), “Two-dimensional quantum random walk,” *J. Stat. Phys.*, vol. 142, no. 1, pp. 78–107, 2011.
- Y. Baryshnikov (with E. Jonckheere, M. Lou, F. Bonahon), “Euclidean versus hyperbolic congestion in idealized versus experimental networks,” *Internet Math.*, vol. 7, no. 1, pp. 1–27, 2011.
- Y. Baryshnikov (with R. Pemantle), “Asymptotics of multivariate sequences, part III: Quadratic points,” *Adv. Math.*, vol. 228, no. 6, pp. 3127–3206, 2011.
- Y. Baryshnikov (with R. Ghrist, D. Lipsky), “Inversion of Euler integral transforms with applications to sensor data,” *Inverse Problems*, vol. 27, no. 12, pp. 124001, 10, 2011.
- Y. Baryshnikov (with A. A. Agrachev, D. Liberzon), “On robust Lie-algebraic stability conditions for switched linear systems,” *Systems Control Lett.*, vol. 61, no. 2, pp. 347–353, 2012.
- Y. Baryshnikov (with V. Zharnitsky), “Search on the brink of chaos,” *Nonlinearity*, vol. 25, no. 11, pp. 3023–3047, 2012.
- Y. Baryshnikov (with V. Zharnitsky), “Search on the brink of chaos,” in *ANALCO12—Meeting on Analytic Algorithmics and Combinatorics*, pp. 65–74, SIAM, Philadelphia, PA, 2012.
- Y. Baryshnikov (with R. Ghrist, M. Wright), “Hadwiger’s Theorem for definable functions,” *Adv. Math.*, vol. 245, pp. 573–586, 2013.
- Y. Baryshnikov (with V. Blumen, K. Kim, V. Zharnitsky), “Billiard dynamics of bouncing dumbbell,” *Phys. D*, vol. 269, pp. 21–27, 2014.
- Y. Baryshnikov (with B. Shapiro), “How to run a centipede: a topological perspective,” in *Geometric control theory and sub-Riemannian geometry*, vol. 5 of *Springer INdAM Ser.*, pp. 37–51, Springer, Cham, 2014.
- Y. Baryshnikov (with P. Bubenik, M. Kahle), “Min-type Morse theory for configuration spaces of hard spheres,” *Int. Math. Res. Not. IMRN*, no. 9, pp. 2577–2592, 2014.
- Y. Baryshnikov (with H. Wang, C. Chen), “A topological perspective on cycling robots for full tree coverage,” in *Algorithmic foundations of robotics XI*, vol. 107 of *Springer Tracts Adv. Robot.*, pp. 659–675, Springer, Cham, 2015.
- Y. Baryshnikov (with J. Duda, W. Szpankowski), “Types of Markov fields and tilings,” *IEEE Trans. Inform. Theory*, vol. 62, no. 8, pp. 4361–4375, 2016.
- Y. Baryshnikov (with A. Agrachev, A. Sarychev), “Ensemble controllability by Lie algebraic methods,” *ESAIM Control Optim. Calc. Var.*, vol. 22, no. 4, pp. 921–938, 2016.
- M. J. Bergvelt (with I. I. Anguelova), “Quadratic differential operators, bicharacters and \bullet products,” *Comm. Algebra*, vol. 42, no. 1, pp. 389–416, 2014.

- B. C. Berndt (with A. Dixit, J. Sohn), “Character analogues of theorems of Ramanujan, Koshliakov and Guinand,” *Adv. in Appl. Math.*, vol. 46, no. 1-4, pp. 54–70, 2011.
- B. C. Berndt, “Ramanujan reaches his hand from his grave to snatch your theorems from you,” *Asia Pac. Math. Newsl.*, vol. 1, no. 2, pp. 8–13, 2011.
- B. C. Berndt (with B. Kim), “Asymptotic expansions of certain partial theta functions,” *Proc. Amer. Math. Soc.*, vol. 139, no. 11, pp. 3779–3788, 2011.
- B. C. Berndt, “The chief accountant and mathematical friend of Ramanujan—S. Narayana Aiyar,” *Amer. Math. Monthly*, vol. 118, no. 9, pp. 767–776, 2011.
- B. C. Berndt (with D. Schultz), “On sums of powers in Ramanujan’s lost notebook,” *Appl. Anal.*, vol. 90, no. 3-4, pp. 725–730, 2011.
- B. C. Berndt (with S. Kim, A. Zaharescu), “Weighted divisor sums and Bessel function series, II,” *Adv. Math.*, vol. 229, no. 3, pp. 2055–2097, 2012.
- B. C. Berndt (with G. E. Andrews), *Ramanujan’s lost notebook. Part III*. Springer, New York, 2012.
- B. C. Berndt (with H. H. Chan, Y. Tanigawa), “Two Dirichlet series evaluations found on page 196 of Ramanujan’s lost notebook,” *Math. Proc. Cambridge Philos. Soc.*, vol. 153, no. 2, pp. 341–360, 2012.
- B. C. Berndt (with S. Kim, A. Zaharescu), “Weighted divisor sums and Bessel function series, IV,” *Ramanujan J.*, vol. 29, no. 1-3, pp. 79–102, 2012.
- B. C. Berndt (with G. Lamb, M. Rogers), “Two-dimensional series evaluations via the elliptic functions of Ramanujan and Jacobi,” *Ramanujan J.*, vol. 29, no. 1-3, pp. 185–198, 2012.
- B. C. Berndt (with P. Pongsriiam), “Discarded fragments from Ramanujan’s papers,” in *Analytic and probabilistic methods in number theory*, pp. 49–59, TEV, Vilnius, 2012.
- B. C. Berndt (with C. Gugg, S. Kim), “Ramanujan’s elementary method in partition congruences,” in *Partitions, q -series, and modular forms*, vol. 23 of *Dev. Math.*, pp. 13–21, Springer, New York, 2012.
- B. C. Berndt (with S. Kim, A. Zaharescu), “Circle and divisor problems, and double series of Bessel functions,” *Adv. Math.*, vol. 236, pp. 24–59, 2013.
- B. C. Berndt (with S. Kim), “A problem in Diophantine approximation found in Ramanujan’s lost notebook,” *Ramanujan J.*, vol. 31, no. 1-2, pp. 83–95, 2013.
- B. C. Berndt (with B. Kim, K. S. Williams), “Euler products in Ramanujan’s lost notebook,” *Int. J. Number Theory*, vol. 9, no. 5, pp. 1313–1349, 2013.
- B. C. Berndt (with S. Kim, A. Zaharescu), “Diophantine approximation of the exponential function and Sondow’s Conjecture,” *Adv. Math.*, vol. 248, pp. 1298–1331, 2013.
- B. C. Berndt (with G. E. Andrews), *Ramanujan’s lost notebook. Part IV*. Springer, New York, 2013.

- B. C. Berndt, “Lecture given by B. M. Wilson, University of Leeds, May, 1927,” *Math. Newsl.*, vol. 24, no. 1, pp. 1–6, 2013.
- B. C. Berndt (with S. Kim, M. T. Phaovibul, A. Zaharescu), “Diophantine approximation with partial sums of power series,” *Acta Arith.*, vol. 161, no. 3, pp. 249–266, 2013.
- B. C. Berndt (with S. Kim, A. Zaharescu), “Dirichlet L -functions, elliptic curves, hypergeometric functions, and rational approximation with partial sums of power series,” *Math. Res. Lett.*, vol. 20, no. 3, pp. 429–448, 2013.
- B. C. Berndt (with S. Kim, A. Zaharescu), “Weighted divisor sums and Bessel function series, III,” *J. Reine Angew. Math.*, vol. 683, pp. 67–96, 2013.
- B. C. Berndt (with S. Kim, A. Zaharescu), “The circle and divisor problems, and Ramanujan’s contributions through Bessel function series,” in *The legacy of Srinivasa Ramanujan*, vol. 20 of *Ramanujan Math. Soc. Lect. Notes Ser.*, pp. 111–127, Ramanujan Math. Soc., Mysore, 2013.
- B. C. Berndt (with R. R. Zhou), “Proofs of conjectures of Sandon and Zanello on colored partition identities,” *J. Korean Math. Soc.*, vol. 51, no. 5, pp. 987–1028, 2014.
- B. C. Berndt (with S. Kim, A. Zaharescu), “Analogues of Koshliakov’s formula,” in *Ramanujan 125*, vol. 627 of *Contemp. Math.*, pp. 41–48, Amer. Math. Soc., Providence, RI, 2014.
- B. C. Berndt (with S.-Y. Kang, J. Sohn), “Finite and infinite Rogers-Ramanujan continued fractions in Ramanujan’s lost notebook,” *J. Number Theory*, vol. 148, pp. 112–120, 2015.
- B. C. Berndt (with S. Kim, A. Zaharescu), “Weighted divisor sums and Bessel function series, V,” *J. Approx. Theory*, vol. 197, pp. 101–114, 2015.
- B. C. Berndt (with S. Kim), “Logarithmic means and double series of Bessel functions,” *Int. J. Number Theory*, vol. 11, no. 5, pp. 1535–1556, 2015.
- B. C. Berndt (with H. G. Diamond), “Preface [Special issue: In memory of Paul T. Bateman and Heini Halberstam],” *Int. J. Number Theory*, vol. 11, no. 5, pp. v–xiii, 2015.
- B. C. Berndt (with R. R. Zhou), “Identities for partitions with distinct colors,” *Ann. Comb.*, vol. 19, no. 3, pp. 397–420, 2015.
- B. C. Berndt (with S. Kim), “Identities for logarithmic means: a survey,” in *Advances in the theory of numbers*, vol. 77 of *Fields Inst. Commun.*, pp. 1–10, Fields Inst. Res. Math. Sci., Toronto, ON, 2015.
- B. C. Berndt (with A. Straub), “Certain integrals arising from Ramanujan’s notebooks,” *SIGMA Symmetry Integrability Geom. Methods Appl.*, vol. 11, pp. Paper 083, 11, 2015.
- B. C. Berndt (with A. Straub), “On a secant Dirichlet series and Eichler integrals of Eisenstein series,” *Math. Z.*, vol. 284, no. 3-4, pp. 827–852, 2016.
- B. C. Berndt (with K. Alladi, Y. Choie, W. Pribitkin), “Preface [special issue in memory of Marvin Knopp],” *Ramanujan J.*, vol. 41, no. 1-3, pp. 1–2, 2016.

- B. C. Berndt, “Integrals associated with Ramanujan and elliptic functions,” *Ramanujan J.*, vol. 41, no. 1-3, pp. 369–389, 2016.
- B. C. Berndt (with A. Dixit, A. Roy, A. Zaharescu), “New pathways and connections in number theory and analysis motivated by two incorrect claims of Ramanujan,” *Adv. Math.*, vol. 304, pp. 809–929, 2017.
- F. P. Boca (with J. Vandehey), “On certain statistical properties of continued fractions with even and with odd partial quotients,” *Acta Arith.*, vol. 156, no. 3, pp. 201–221, 2012.
- F. P. Boca (with B. Heersink, P. Spiegelhalter), “Gap distribution of Farey fractions under some divisibility constraints,” *Integers*, vol. 13, pp. Paper No. A44, 15, 2013.
- F. P. Boca (with V. Paşol, A. Popa, Alexandru A. and Zaharescu), “Pair correlation of angles between reciprocal geodesics on the modular surface,” *Algebra Number Theory*, vol. 8, no. 4, pp. 999–1035, 2014.
- F. P. Boca (with A. A. Popa, A. Zaharescu), “Pair correlation of hyperbolic lattice angles,” *Int. J. Number Theory*, vol. 10, no. 8, pp. 1955–1989, 2014.
- F. P. Boca (with D. Timotin), “Foreword [Special issue dedicated to Professor şerban Strătilă on the occasion of his 70th birthday],” *Rev. Roumaine Math. Pures Appl.*, vol. 59, no. 2, pp. 171–172, 2014.
- F. P. Boca, “The distribution of rational numbers and ergodic theory,” *Rev. Roumaine Math. Pures Appl.*, vol. 62, no. 1, pp. 41–62, 2017.
- M. S. Borman (with O. Bobrowski), “Euler integration of Gaussian random fields and persistent homology,” *J. Topol. Anal.*, vol. 4, no. 1, pp. 49–70, 2012.
- M. S. Borman, “Symplectic reduction of quasi-morphisms and quasi-states,” *J. Symplectic Geom.*, vol. 10, no. 2, pp. 225–246, 2012.
- M. S. Borman, “Quasi-states, quasi-morphisms, and the moment map,” *Int. Math. Res. Not. IMRN*, no. 11, pp. 2497–2533, 2013.
- M. S. Borman (with M. Abreu, D. McDuff), “Displacing Lagrangian toric fibers by extended probes,” *Algebr. Geom. Topol.*, vol. 14, no. 2, pp. 687–752, 2014.
- M. S. Borman (with T.-J. Li, W. Wu), “Spherical Lagrangians via ball packings and symplectic cutting,” *Selecta Math. (N.S.)*, vol. 20, no. 1, pp. 261–283, 2014.
- M. S. Borman (with M. McLean), “Bounding Lagrangian widths via geodesic paths,” *Compos. Math.*, vol. 150, no. 12, pp. 2143–2183, 2014.
- M. S. Borman (with F. Zapolsky), “Quasimorphisms on contactomorphism groups and contact rigidity,” *Geom. Topol.*, vol. 19, no. 1, pp. 365–411, 2015.
- M. S. Borman (with Y. Eliashberg, E. Murphy), “Existence and classification of overtwisted contact structures in all dimensions,” *Acta Math.*, vol. 215, no. 2, pp. 281–361, 2015.

- S. B. Bradlow (with G. Wilkin), “Morse theory, Higgs fields, and Yang-Mills-Higgs functionals,” *J. Fixed Point Theory Appl.*, vol. 11, no. 1, pp. 1–41, 2012.
- S. B. Bradlow (with O. Garcia Prada, P. B. Gothen), “Deformations of maximal representations in $\mathrm{Sp}(4, \mathbb{R})$,” *Q. J. Math.*, vol. 63, no. 4, pp. 795–843, 2012.
- S. B. Bradlow (with P. Ebenfelt, J. T. Tyson, D. Varolin), “Foreword [In honor of the 60th birthday of John D’Angelo],” *Illinois J. Math.*, vol. 56, no. 1, pp. iii–iv (2013), 2012.
- S. B. Bradlow (with I. Biswas, A. Jacob, M. Stemmler), “Approximate Hermitian-Einstein connections on principal bundles over a compact Riemann surface,” *Ann. Global Anal. Geom.*, vol. 44, no. 3, pp. 257–268, 2013.
- S. B. Bradlow (with I. Biswas, A. Jacob, M. Stemmler), “Automorphisms and connections on Higgs bundles over compact Kähler manifolds,” *Differential Geom. Appl.*, vol. 32, pp. 139–152, 2014.
- S. B. Bradlow (with O. Garcia Prada, P. B. Gothen), “Higgs bundles for the non-compact dual of the special orthogonal group,” *Geom. Dedicata*, vol. 175, pp. 1–48, 2015.
- S. B. Bradlow (with L. P. Schaposnik), “Higgs bundles and exceptional isogenies,” *Res. Math. Sci.*, vol. 3, pp. Paper No. 14, 28, 2016.
- J. C. Bronski (with Z. Rapti), “Counting defect modes in periodic eigenvalue problems,” *SIAM J. Math. Anal.*, vol. 43, no. 2, pp. 803–827, 2011.
- J. C. Bronski (with M. A. Johnson, T. Kapitula), “An index theorem for the stability of periodic travelling waves of Korteweg-de Vries type,” *Proc. Roy. Soc. Edinburgh Sect. A*, vol. 141, no. 6, pp. 1141–1173, 2011.
- J. C. Bronski (with R. C. Fetecau), “An alternative energy bound derivation for a generalized Hasegawa-Mima equation,” *Nonlinear Anal. Real World Appl.*, vol. 13, no. 3, pp. 1362–1368, 2012.
- J. C. Bronski (with L. DeVille, M. J. Park), “Fully synchronous solutions and the synchronization phase transition for the finite- N Kuramoto model,” *Chaos*, vol. 22, no. 3, pp. 033133, 17, 2012.
- J. C. Bronski (with L. DeVille), “Spectral theory for dynamics on graphs containing attractive and repulsive interactions,” *SIAM J. Appl. Math.*, vol. 74, no. 1, pp. 83–105, 2014.
- J. C. Bronski (with M. A. Johnson, T. Kapitula), “An instability index theory for quadratic pencils and applications,” *Comm. Math. Phys.*, vol. 327, no. 2, pp. 521–550, 2014.
- J. C. Bronski (with V. M. Hur), “Modulational instability and variational structure,” *Stud. Appl. Math.*, vol. 132, no. 4, pp. 285–331, 2014.
- J. C. Bronski (with V. M. Hur, M. A. Johnson), “Modulational instability in equations of KdV type,” in *New approaches to nonlinear waves*, vol. 908 of *Lecture Notes in Phys.*, pp. 83–133, Springer, Cham, 2016.

- J. C. Bronski (with L. DeVille, T. Ferguson), “Graph homology and stability of coupled oscillator networks,” *SIAM J. Appl. Math.*, vol. 76, no. 3, pp. 1126–1151, 2016.
- J. P. D’Angelo, “Hermitian analogues of Hilbert’s 17-th problem,” *Adv. Math.*, vol. 226, no. 5, pp. 4607–4637, 2011.
- J. P. D’Angelo (with J. Lebl), “Hermitian symmetric polynomials and CR complexity,” *J. Geom. Anal.*, vol. 21, no. 3, pp. 599–619, 2011.
- J. P. D’Angelo, “Corrigendum to “Hermitian analogues of Hilbert’s 17-th problem” [Adv. Math. 226 (5) (2011) 4607–4637] [mr2770459],” *Adv. Math.*, vol. 228, no. 4, pp. 2552–2553, 2011.
- J. P. D’Angelo (with J. Lebl), “Pfister’s theorem fails in the Hermitian case,” *Proc. Amer. Math. Soc.*, vol. 140, no. 4, pp. 1151–1157, 2012.
- J. P. D’Angelo (with M. Putinar), “Hermitian complexity of real polynomial ideals,” *Internat. J. Math.*, vol. 23, no. 6, pp. 1250026, 14, 2012.
- J. P. D’Angelo, “Several complex variables and CR geometry,” *Illinois J. Math.*, vol. 56, no. 1, pp. 7–19 (2013), 2012.
- J. P. D’Angelo, *Hermitian analysis*. Cornerstones, Birkhäuser/Springer, New York, 2013. From Fourier series to Cauchy-Riemann geometry.
- J. P. D’Angelo, “The combinatorics of certain group-invariant mappings,” *Complex Var. Elliptic Equ.*, vol. 58, no. 5, pp. 621–634, 2013.
- J. P. D’Angelo, “A Monge-Ampère inequality and applications to holomorphic mappings,” *Proc. Amer. Math. Soc.*, vol. 143, no. 10, pp. 4347–4359, 2015.
- J. P. D’Angelo, “CR complexity and hyperquadric maps,” in *Analysis and geometry*, vol. 127 of *Springer Proc. Math. Stat.*, pp. 17–34, Springer, Cham, 2015.
- J. P. D’Angelo (with J. Lebl), “Homotopy equivalence for proper holomorphic mappings,” *Adv. Math.*, vol. 286, pp. 160–180, 2016.
- J. P. D’Angelo (with Z. Huo, M. Xiao), “Proper holomorphic maps from the unit disk to some unit ball,” *Proc. Amer. Math. Soc.*, vol. 145, no. 6, pp. 2649–2660, 2017.
- L. DeVille (with N. Sri Namachchivaya, Z. Rapti), “Stability of a stochastic two-dimensional non-Hamiltonian system,” *SIAM J. Appl. Math.*, vol. 71, no. 4, pp. 1458–1475, 2011.
- L. DeVille (with N. Riemer, M. West), “Weighted flow algorithms (WFA) for stochastic particle coagulation,” *J. Comput. Phys.*, vol. 230, no. 23, pp. 8427–8451, 2011.
- L. DeVille (with C. S. Peskin), “Synchrony and asynchrony for neuronal dynamics defined on complex networks,” *Bull. Math. Biol.*, vol. 74, no. 4, pp. 769–802, 2012.
- L. DeVille, “Transitions amongst synchronous solutions in the stochastic Kuramoto model,” *Nonlinearity*, vol. 25, no. 5, pp. 1473–1494, 2012.

- L. DeVille (with J. C. Bronski, M. J. Park), “Fully synchronous solutions and the synchronization phase transition for the finite- N Kuramoto model,” *Chaos*, vol. 22, no. 3, pp. 033133, 17, 2012.
- L. DeVille (with S. V. Dhople, Y. C. Chen, A. D. Dominguez Garcia), “Analysis of power system dynamics subject to stochastic power injections,” *IEEE Trans. Circuits Syst. I. Regul. Pap.*, vol. 60, no. 12, pp. 3341–3353, 2013.
- L. DeVille (with J. C. Bronski), “Spectral theory for dynamics on graphs containing attractive and repulsive interactions,” *SIAM J. Appl. Math.*, vol. 74, no. 1, pp. 83–105, 2014.
- L. DeVille (with Y. Zeng), “Synchrony and periodicity in excitable neural networks with multiple subpopulations,” *SIAM J. Appl. Dyn. Syst.*, vol. 13, no. 3, pp. 1060–1081, 2014.
- L. DeVille (with E. Lerman), “Dynamics on networks of manifolds,” *SIGMA Symmetry Integrability Geom. Methods Appl.*, vol. 11, pp. Paper 022, 21, 2015.
- L. DeVille (with E. Lerman), “Modular dynamical systems on networks,” *J. Eur. Math. Soc. (JEMS)*, vol. 17, no. 12, pp. 2977–3013, 2015.
- L. DeVille (with T. Biancalani, N. Goldenfeld), “Framework for analyzing ecological trait-based models in multidimensional niche spaces,” *Phys. Rev. E (3)*, vol. 91, no. 5, pp. 052107, 10, 2015.
- L. DeVille (with T. Biancalani, N. Goldenfeld), “Erratum: Framework for analyzing ecological trait-based models in multidimensional niche spaces [Phys. Rev. E 91, 052107 (2015) [3476270],” *Phys. Rev. E (3)*, vol. 92, no. 3, pp. 039902, 1, 2015.
- L. DeVille (with S. Dhople, A. D. Dominguez Garcia, J. Zhang), “Moment closure and finite-time blowup for piecewise deterministic Markov processes,” *SIAM J. Appl. Dyn. Syst.*, vol. 15, no. 1, pp. 526–556, 2016.
- L. DeVille (with J. C. Bronski, T. Ferguson), “Graph homology and stability of coupled oscillator networks,” *SIAM J. Appl. Math.*, vol. 76, no. 3, pp. 1126–1151, 2016.
- L. DeVille (with B. Ermentrout), “Phase-locked patterns of the Kuramoto model on 3-regular graphs,” *Chaos*, vol. 26, no. 9, pp. 094820, 10, 2016.
- P. S. Dey (with S. Chatterjee), “Central limit theorem for first-passage percolation time across thin cylinders,” *Probab. Theory Related Fields*, vol. 156, no. 3-4, pp. 613–663, 2013.
- P. S. Dey (with E. C. Waymire), “On normalized multiplicative cascades under strong disorder,” *Electron. Commun. Probab.*, vol. 20, pp. no. 32, 13, 2015.
- P. S. Dey (with C. D. Brummitt, S. Chatterjee, D. Sivakoff), “Jigsaw percolation: what social networks can collaboratively solve a puzzle?,” *Ann. Appl. Probab.*, vol. 25, no. 4, pp. 2013–2038, 2015.
- P. S. Dey (with S. Chatterjee), “Multiple phase transitions in long-range first-passage percolation on square lattices,” *Comm. Pure Appl. Math.*, vol. 69, no. 2, pp. 203–256, 2016.
- P. S. Dey (with N. Zygouras), “High temperature limits for $(1 + 1)$ -dimensional directed polymer with heavy-tailed disorder,” *Ann. Probab.*, vol. 44, no. 6, pp. 4006–4048, 2016.

- P. Di Francesco, “Discrete integrable systems, positivity, and continued fraction rearrangements,” *Lett. Math. Phys.*, vol. 96, no. 1-3, pp. 299–324, 2011.
- P. Di Francesco (with R. Kedem), “Non-commutative integrability, paths and quasi-determinants,” *Adv. Math.*, vol. 228, no. 1, pp. 97–152, 2011.
- P. Di Francesco, “Quantum A_r Q -system solutions as q -multinomial series,” *Electron. J. Combin.*, vol. 18, no. 1, pp. Paper 176, 17, 2011.
- P. Di Francesco (with G. Akemann, J. Baik), “Introduction and guide to the handbook,” in *The Oxford handbook of random matrix theory*, pp. 3–14, Oxford Univ. Press, Oxford, 2011.
- P. Di Francesco (with R. E. Behrend, P. Zinn-Justin), “On the weighted enumeration of alternating sign matrices and descending plane partitions,” *J. Combin. Theory Ser. A*, vol. 119, no. 2, pp. 331–363, 2012.
- P. Di Francesco (with N. Reshetikhin), “Asymptotic shapes with free boundaries,” *Comm. Math. Phys.*, vol. 309, no. 1, pp. 87–121, 2012.
- P. Di Francesco (with R. Kedem), “The solution of the quantum A_1 T -system for arbitrary boundary,” *Comm. Math. Phys.*, vol. 313, no. 2, pp. 329–350, 2012.
- P. Di Francesco (with R. E. Behrend, P. Zinn-Justin), “A doubly-refined enumeration of alternating sign matrices and descending plane partitions,” *J. Combin. Theory Ser. A*, vol. 120, no. 2, pp. 409–432, 2013.
- P. Di Francesco (with R. Kedem), “ T -systems with boundaries from network solutions,” *Electron. J. Combin.*, vol. 20, no. 1, pp. Paper 3, 62, 2013.
- P. Di Francesco, “An inhomogeneous lambda-determinant,” *Electron. J. Combin.*, vol. 20, no. 3, pp. Paper 19, 34, 2013.
- P. Di Francesco (with M. Gekhtman, A. Kuniba, M. Yamazaki), “Special issue on cluster algebras in mathematical physics,” *J. Phys. A*, vol. 47, no. 6, pp. 060201, 2, 2014.
- P. Di Francesco (with M. Gekhtman, A. Kuniba, M. Yamazaki), “Special issue on cluster algebras in mathematical physics,” *J. Phys. A*, vol. 47, no. 10, pp. 100201, 2, 2014.
- P. Di Francesco, “Integrable combinatorics,” in *XVIIth International Congress on Mathematical Physics*, pp. 29–51, World Sci. Publ., Hackensack, NJ, 2014.
- P. Di Francesco (with R. Kedem), “Quantum cluster algebras and fusion products,” *Int. Math. Res. Not. IMRN*, no. 10, pp. 2593–2642, 2014.
- P. Di Francesco (with R. Soto-Garrido), “Arctic curves of the octahedron equation,” *J. Phys. A*, vol. 47, no. 28, pp. 285204, 34, 2014.
- P. Di Francesco, “ T -systems, networks and dimers,” *Comm. Math. Phys.*, vol. 331, no. 3, pp. 1237–1270, 2014.
- P. Di Francesco (with M. Gekhtman, A. Kuniba, M. Yamazaki), “Cluster algebras in mathematical physics [Preface],” *J. Phys. A*, vol. 47, no. 47, pp. 470301, 2, 2014.

- P. Di Francesco, “The non-commutative A_1 T -system and its positive Laurent property,” *Comm. Math. Phys.*, vol. 335, no. 2, pp. 935–953, 2015.
- P. Di Francesco, “Bessenrodt-Stanley polynomials and the octahedron recurrence,” *Electron. J. Combin.*, vol. 22, no. 3, pp. Paper 3.35, 27, 2015.
- P. Di Francesco (with R. Kedem), “Quantum Q systems: from cluster algebras to quantum current algebras,” *Lett. Math. Phys.*, vol. 107, no. 2, pp. 301–341, 2017.
- C. Dodd, “Injectivity of the cycle map for finite-dimensional W -algebras,” *Int. Math. Res. Not. IMRN*, no. 19, pp. 5398–5436, 2014.
- N. M. Dunfield (with H. Wong), “Quantum invariants of random 3-manifolds,” *Algebr. Geom. Topol.*, vol. 11, no. 4, pp. 2191–2205, 2011.
- N. M. Dunfield (with A. N. Hirani), “The least spanning area of a knot and the optimal bounding chain problem,” in *Computational geometry (SCG’11)*, pp. 135–144, ACM, New York, 2011.
- N. M. Dunfield (with S. Garoufalidis, A. Shumakovitch, M. Thistlethwaite), “Erratum: Behavior of knot invariants under genus 2 mutation [mr2657370],” *New York J. Math.*, vol. 18, pp. 75–77, 2012.
- N. M. Dunfield (with S. Garoufalidis), “Incompressibility criteria for spun-normal surfaces,” *Trans. Amer. Math. Soc.*, vol. 364, no. 11, pp. 6109–6137, 2012.
- N. M. Dunfield (with S. Friedl, N. Jackson), “Twisted Alexander polynomials of hyperbolic knots,” *Exp. Math.*, vol. 21, no. 4, pp. 329–352, 2012.
- N. M. Dunfield (with J. F. Brock), “Injectivity radii of hyperbolic integer homology 3-spheres,” *Geom. Topol.*, vol. 19, no. 1, pp. 497–523, 2015.
- N. M. Dunfield (with N. R. Hoffman, J. E. Licata), “Asymmetric hyperbolic L -spaces, Heegaard genus, and Dehn filling,” *Math. Res. Lett.*, vol. 22, no. 6, pp. 1679–1698, 2015.
- S. P. Dutta, “Intersection multiplicity on blow-ups,” *J. Algebraic Geom.*, vol. 22, no. 1, pp. 85–103, 2013.
- S. P. Dutta, “The monomial conjecture and order ideals,” *J. Algebra*, vol. 383, pp. 232–241, 2013.
- S. P. Dutta, “On a consequence of the order ideal conjecture,” *J. Pure Appl. Algebra*, vol. 219, no. 3, pp. 482–487, 2015.
- S. P. Dutta, “On modules of finite projective dimension,” *Nagoya Math. J.*, vol. 219, pp. 87–111, 2015.
- S. P. Dutta, “The monomial conjecture and order ideals II,” *J. Algebra*, vol. 454, pp. 123–138, 2016.
- I. M. Duursma (with R. Kirov, S. Park), “Distance bounds for algebraic geometric codes,” *J. Pure Appl. Algebra*, vol. 215, no. 8, pp. 1863–1878, 2011.

- I. M. Duursma, “Two-point coordinate rings for GK-curves,” *IEEE Trans. Inform. Theory*, vol. 57, no. 2, pp. 593–600, 2011.
- I. M. Duursma (with R. Kirov), “Improved two-point codes on Hermitian curves,” *IEEE Trans. Inform. Theory*, vol. 57, no. 7, pp. 4469–4476, 2011.
- I. M. Duursma (with S. Park), “Delta sets for divisors supported in two points,” *Finite Fields Appl.*, vol. 18, no. 5, pp. 865–885, 2012.
- I. M. Duursma (with K.-H. Mak), “On maximal curves which are not Galois subcovers of the Hermitian curve,” *Bull. Braz. Math. Soc. (N.S.)*, vol. 43, no. 3, pp. 453–465, 2012.
- I. M. Duursma (with A. Couvreur), “Evaluation codes from smooth quadric surfaces and twisted Segre varieties,” *Des. Codes Cryptogr.*, vol. 66, no. 1-3, pp. 291–303, 2013.
- I. M. Duursma (with K.-H. Mak), “On lower bounds for the Ihara constants $A(2)$ and $A(3)$,” *Compos. Math.*, vol. 149, no. 7, pp. 1108–1128, 2013.
- I. M. Duursma (with A. Eid), “Smooth embeddings for the Suzuki and Ree curves,” in *Algorithmic arithmetic, geometry, and coding theory*, vol. 637 of *Contemp. Math.*, pp. 251–291, Amer. Math. Soc., Providence, RI, 2015.
- M. B. Erdoğan (with D. Hundertmark, Y.-R. Lee), “Exponential decay of dispersion managed solitons for vanishing average dispersion,” *Math. Res. Lett.*, vol. 18, no. 1, pp. 11–24, 2011.
- M. B. Erdoğan (with N. Tzirakis, V. Zharnitsky), “Nearly linear dynamics of nonlinear dispersive waves,” *Phys. D*, vol. 240, no. 17, pp. 1325–1333, 2011.
- M. B. Erdoğan (with J. Chapman, D. Hart, A. Iosevich, D. Koh), “Pinned distance sets, k -simplices, Wolff’s exponent in finite fields and sum-product estimates,” *Math. Z.*, vol. 271, no. 1-2, pp. 63–93, 2012.
- M. B. Erdoğan (with N. Tzirakis, V. Zharnitsky), “High frequency perturbation of cnoidal waves in KdV,” *SIAM J. Math. Anal.*, vol. 44, no. 6, pp. 4147–4164, 2012.
- M. B. Erdoğan (with W. R. Green), “A weighted dispersive estimate for Schrödinger operators in dimension two,” *Comm. Math. Phys.*, vol. 319, no. 3, pp. 791–811, 2013.
- M. B. Erdoğan (with D. M. Oberlin), “Restricting Fourier transforms of measures to curves in \mathbb{R}^2 ,” *Canad. Math. Bull.*, vol. 56, no. 2, pp. 326–336, 2013.
- M. B. Erdoğan (with W. R. Green), “Dispersive estimates for matrix Schrödinger operators in dimension two,” *Discrete Contin. Dyn. Syst.*, vol. 33, no. 10, pp. 4473–4495, 2013.
- M. B. Erdoğan (with N. Tzirakis), “Long time dynamics for forced and weakly damped KdV on the torus,” *Commun. Pure Appl. Anal.*, vol. 12, no. 6, pp. 2669–2684, 2013.
- M. B. Erdoğan (with D. Hart, A. Iosevich), “Multiparameter projection theorems with applications to sums-products and finite point configurations in the Euclidean setting,” in *Recent advances in harmonic analysis and applications*, vol. 25 of *Springer Proc. Math. Stat.*, pp. 93–103, Springer, New York, 2013.

- M. B. Erdoğan (with N. Tzirakis), “Smoothing and global attractors for the Zakharov system on the torus,” *Anal. PDE*, vol. 6, no. 3, pp. 723–750, 2013.
- M. B. Erdoğan (with W. R. Green), “Dispersive estimates for Schrödinger operators in dimension two with obstructions at zero energy,” *Trans. Amer. Math. Soc.*, vol. 365, no. 12, pp. 6403–6440, 2013.
- M. B. Erdoğan (with N. Tzirakis), “Global smoothing for the periodic KdV evolution,” *Int. Math. Res. Not. IMRN*, no. 20, pp. 4589–4614, 2013.
- M. B. Erdoğan (with N. Tzirakis), “Talbot effect for the cubic non-linear Schrödinger equation on the torus,” *Math. Res. Lett.*, vol. 20, no. 6, pp. 1081–1090, 2013.
- M. B. Erdoğan (with M. Goldberg, W. R. Green), “Dispersive estimates for four dimensional Schrödinger and wave equations with obstructions at zero energy,” *Comm. Partial Differential Equations*, vol. 39, no. 10, pp. 1936–1964, 2014.
- M. B. Erdoğan (with V. Chousionis, N. Tzirakis), “Fractal solutions of linear and nonlinear dispersive partial differential equations,” *Proc. Lond. Math. Soc. (3)*, vol. 110, no. 3, pp. 543–564, 2015.
- M. B. Erdoğan (with J. L. Marzuola, K. Newhall, N. Tzirakis), “The structure of global attractors for dissipative Zakharov systems with forcing on the torus,” *SIAM J. Appl. Dyn. Syst.*, vol. 14, no. 4, pp. 1978–1990, 2015.
- M. B. Erdoğan (with S. Demirbas, N. Tzirakis), “Existence and uniqueness theory for the fractional Schrödinger equation on the torus,” in *Some topics in harmonic analysis and applications*, vol. 34 of *Adv. Lect. Math. (ALM)*, pp. 145–162, Int. Press, Somerville, MA, 2016.
- M. B. Erdoğan (with N. Tzirakis), “Regularity properties of the cubic nonlinear Schrödinger equation on the half line,” *J. Funct. Anal.*, vol. 271, no. 9, pp. 2539–2568, 2016.
- M. B. Erdoğan (with N. Tzirakis), *Dispersive partial differential equations*, vol. 86 of *London Mathematical Society Student Texts*. Cambridge University Press, Cambridge, 2016. Wellposedness and applications.
- M. B. Erdoğan (with W. R. Green), “The Dirac equation in two dimensions: dispersive estimates and classification of threshold obstructions,” *Comm. Math. Phys.*, vol. 352, no. 2, pp. 719–757, 2017.
- R. Feng (with J. Garrido), “Actuarial applications of epidemiological models,” *N. Am. Actuar. J.*, vol. 15, no. 1, pp. 112–136, 2011.
- R. Feng, “An operator-based approach to the analysis of ruin-related quantities in jump diffusion risk models,” *Insurance Math. Econom.*, vol. 48, no. 2, pp. 304–313, 2011.
- R. Feng (with H. W. Volkmer), “Modeling credit value adjustment with downgrade-triggered termination clause using a ruin theoretic approach,” *Insurance Math. Econom.*, vol. 51, no. 2, pp. 409–421, 2012.

- R. Feng (with H. W. Volkmer), “Analytical calculation of risk measures for variable annuity guaranteed benefits,” *Insurance Math. Econom.*, vol. 51, no. 3, pp. 636–648, 2012.
- R. Feng (with E. C. K. Cheung), “A unified analysis of claim costs up to ruin in a Markovian arrival risk model,” *Insurance Math. Econom.*, vol. 53, no. 1, pp. 98–109, 2013.
- R. Feng (with Y. Shimizu), “On a generalization from ruin to default in a Lévy insurance risk model,” *Methodol. Comput. Appl. Probab.*, vol. 15, no. 4, pp. 773–802, 2013.
- R. Feng (with Y. Shimizu), “Potential measures for spectrally negative Markov additive processes with applications in ruin theory,” *Insurance Math. Econom.*, vol. 59, pp. 11–26, 2014.
- R. Feng (with H. W. Volkmer), “Spectral methods for the calculation of risk measures for variable annuity guaranteed benefits,” *Astin Bull.*, vol. 44, no. 3, pp. 653–681, 2014.
- R. Feng, “A comparative study of risk measures for guaranteed minimum maturity benefits by a PDE method,” *N. Am. Actuar. J.*, vol. 18, no. 4, pp. 445–461, 2014.
- R. Feng (with H. W. Volkmer, S. Zhang, C. Zhu), “Optimal dividend policies for piecewise-deterministic compound Poisson risk models,” *Scand. Actuar. J.*, no. 5, pp. 423–454, 2015.
- R. Feng (with H. W. Volkmer), “Conditional Asian options,” *Int. J. Theor. Appl. Finance*, vol. 18, no. 6, pp. 1550040, 24, 2015.
- R. Feng (with H. W. Volkmer), “An identity of hitting times and its application to the valuation of guaranteed minimum withdrawal benefit,” *Math. Financ. Econ.*, vol. 10, no. 2, pp. 127–149, 2016.
- R. Feng (with H. Huang), “Statutory financial reporting for variable annuity guaranteed death benefits: market practice, mathematical modeling and computation,” *Insurance Math. Econom.*, vol. 67, pp. 54–64, 2016.
- R. Feng (with A. Kuznetsov), “A short proof of duality relations for hypergeometric functions,” *J. Math. Anal. Appl.*, vol. 443, no. 1, pp. 116–122, 2016.
- R. Feng (with Y. Shimizu), “Applications of central limit theorems for equity-linked insurance,” *Insurance Math. Econom.*, vol. 69, pp. 138–148, 2016.
- R. Feng, “Stochastic integral representations of the extrema of time-homogeneous diffusion processes,” *Methodol. Comput. Appl. Probab.*, vol. 18, no. 3, pp. 691–715, 2016.
- R. Feng (with X. Jing, J. Dhaene), “Comonotonic approximations of risk measures for variable annuity guaranteed benefits with dynamic policyholder behavior,” *J. Comput. Appl. Math.*, vol. 311, pp. 272–292, 2017.
- R. Feng (with X. Jing), “Analytical valuation and hedging of variable annuity guaranteed lifetime withdrawal benefits,” *Insurance Math. Econom.*, vol. 72, pp. 36–48, 2017.
- R. Feng (with J. Vecer), “Risk based capital for guaranteed minimum withdrawal benefit,” *Quant. Finance*, vol. 17, no. 3, pp. 471–478, 2017.

- R. L. Fernandes (with M. Crainic), “A geometric approach to Conn’s linearization theorem,” *Ann. of Math. (2)*, vol. 173, no. 2, pp. 1121–1139, 2011.
- R. L. Fernandes (with M. Crainic), “Lectures on integrability of Lie brackets,” in *Lectures on Poisson geometry*, vol. 17 of *Geom. Topol. Monogr.*, pp. 1–107, Geom. Topol. Publ., Coventry, 2011.
- R. L. Fernandes (with H. Bursztyn, J.-H. Lu, A. Weinstein), “Foreword [“Poisson geometry in mathematics and physics”],” *Bull. Braz. Math. Soc. (N.S.)*, vol. 42, no. 4, pp. 505–506, 2011. Held in Rio de Janeiro, July 20–30, 2010.
- R. L. Fernandes (with P. Frejlich), “An h -principle for symplectic foliations,” *Int. Math. Res. Not. IMRN*, no. 7, pp. 1505–1518, 2012.
- R. L. Fernandes (with R. Caseiro), “The modular class of a Poisson map,” *Ann. Inst. Fourier (Grenoble)*, vol. 63, no. 4, pp. 1285–1329, 2013.
- R. L. Fernandes (with I. Struchiner), “The classifying Lie algebroid of a geometric structure I: Classes of coframes,” *Trans. Amer. Math. Soc.*, vol. 366, no. 5, pp. 2419–2462, 2014.
- R. L. Fernandes (with O. Brahic), “Integrability and reduction of Hamiltonian actions on Dirac manifolds,” *Indag. Math. (N.S.)*, vol. 25, no. 5, pp. 901–925, 2014.
- R. L. Fernandes (with O. Brahic), “Integration of coupling Dirac structures,” *Pacific J. Math.*, vol. 278, no. 2, pp. 325–367, 2015.
- K. Ford (with J. Bourgain, S. Dilworth, S. Konyagin, D. Kutzarova), “Explicit constructions of RIP matrices and related problems,” *Duke Math. J.*, vol. 159, no. 1, pp. 145–185, 2011.
- K. Ford (with P. Pollack), “On common values of $\phi(n)$ and $\sigma(m)$. I,” *Acta Math. Hungar.*, vol. 133, no. 3, pp. 251–271, 2011.
- K. Ford (with J. Bourgain, S. J. Dilworth, S. V. Konyagin, D. Kutzarova), “Breaking the k^2 barrier for explicit RIP matrices [extended abstract],” in *STOC’11—Proceedings of the 43rd ACM Symposium on Theory of Computing*, pp. 637–644, ACM, New York, 2011.
- K. Ford (with F. Luca), “The number of solutions of $\lambda(x) = n$,” *Integers*, vol. 11, no. 4, pp. 421–430, 2011.
- K. Ford (with Y. Buttkewitz, C. Elsholtz, J.-C. Schlage-Puchta), “A problem of Ramanujan, Erdős, and Kátai on the iterate d divisor function,” *Int. Math. Res. Not. IMRN*, no. 17, pp. 4051–4061, 2012.
- K. Ford (with P. Pollack), “On common values of $\phi(n)$ and $\sigma(n)$, II,” *Algebra Number Theory*, vol. 6, no. 8, pp. 1669–1696, 2012.
- K. Ford (with S. Konyagin, F. Luca), “On groups with perfect order subsets,” *Mosc. J. Comb. Number Theory*, vol. 2, no. 4, pp. 3–18, 2012.
- K. Ford (with R. de la Bretèche, J. Vandehey), “On non-intersecting arithmetic progressions,” *Acta Arith.*, vol. 157, no. 4, pp. 381–392, 2013.

- K. Ford (with K. Broughan, F. Luca), “On square values of the product of the Euler totient and sum of divisors functions,” *Colloq. Math.*, vol. 130, no. 1, pp. 127–137, 2013.
- K. Ford (with L. Addario-Berry), “Poisson-Dirichlet branching random walks,” *Ann. Appl. Probab.*, vol. 23, no. 1, pp. 283–307, 2013.
- K. Ford (with Y. Lamzouri, S. Konyagin), “The prime number race and zeros of Dirichlet L -functions off the critical line: Part III,” *Q. J. Math.*, vol. 64, no. 4, pp. 1091–1098, 2013.
- K. Ford (with F. Luca, P. Moree), “Values of the Euler ϕ -function not divisible by a given odd prime, and the distribution of Euler-Kronecker constants for cyclotomic fields,” *Math. Comp.*, vol. 83, no. 287, pp. 1447–1476, 2014.
- K. Ford, “Sieving very thin sets of primes, and Pratt trees with missing primes,” *Int. Math. Res. Not. IMRN*, no. 11, pp. 2955–2971, 2014.
- K. Ford (with F. Luca, C. Pomerance), “The image of Carmichael’s λ -function,” *Algebra Number Theory*, vol. 8, no. 8, pp. 2009–2025, 2014.
- K. Ford (with T. D. Wooley), “On Vinogradov’s mean value theorem: strongly diagonal behaviour via efficient congruencing,” *Acta Math.*, vol. 213, no. 2, pp. 199–236, 2014.
- K. Ford (with A. Zaharescu), “Unnormalized differences between zeros of L -functions,” *Compos. Math.*, vol. 151, no. 2, pp. 230–252, 2015.
- K. Ford (with D. R. Heath-Brown, S. Konyagin), “Large gaps between consecutive prime numbers containing perfect powers,” in *Analytic number theory*, pp. 83–92, Springer, Cham, 2015.
- K. Ford (with F. Luca, C. Pomerance, J. Shallit), “On the parity of the number of small divisors of n ,” in *Analytic number theory*, pp. 93–100, Springer, Cham, 2015.
- K. Ford (with B. Green, S. Konyagin, T. Tao), “Large gaps between consecutive prime numbers,” *Ann. of Math. (2)*, vol. 183, no. 3, pp. 935–974, 2016.
- K. Ford (with S. Eberhard, D. Koukoulopoulos), “Permutations contained in transitive subgroups,” *Discrete Anal.*, pp. Paper No. 12, 34, 2016.
- K. Ford (with S. Eberhard, B. Green), “Permutations fixing a k -set,” *Int. Math. Res. Not. IMRN*, no. 21, pp. 6713–6731, 2016.
- K. Ford (with M. Z. Garaev, S. V. Konyagin), “On the smallest simultaneous power nonresidue modulo a prime,” *Forum Math.*, vol. 29, no. 2, pp. 347–355, 2017.
- K. Ford, “Integers divisible by a large shifted prime,” *Acta Arith.*, vol. 178, no. 2, pp. 163–180, 2017.
- J. Heller (with M. Voineagu), “Vanishing theorems for real algebraic cycles,” *Amer. J. Math.*, vol. 134, no. 3, pp. 649–709, 2012.
- J. Heller (with M. Voineagu), “Equivariant semi-topological invariants, Atiyah’s KR -theory, and real algebraic cycles,” *Trans. Amer. Math. Soc.*, vol. 364, no. 12, pp. 6565–6603, 2012.

- J. Heller (with M. Voineagu), “Remarks on filtrations of the homology of real varieties,” *Doc. Math.*, vol. 17, pp. 641–661, 2012.
- J. Heller (with J. Hornbostel), “Equivariant semi-topological K -homology and a theorem of Thomason,” *J. K-Theory*, vol. 12, no. 3, pp. 493–549, 2013.
- J. Heller (with J. Malagón-López), “Equivariant algebraic cobordism,” *J. Reine Angew. Math.*, vol. 684, pp. 87–112, 2013.
- J. Heller (with M. Voineagu, P. A. Østvær), “Equivariant cycles and cancellation for motivic cohomology,” *Doc. Math.*, vol. 20, pp. 269–332, 2015.
- J. Heller, “Motivic strict ring spectra representing semi-topological cohomology theories,” *Homology Homotopy Appl.*, vol. 17, no. 2, pp. 107–135, 2015.
- J. Heller (with A. Krishna, P. A. Østvær), “Motivic homotopy theory of group scheme actions,” *J. Topol.*, vol. 8, no. 4, pp. 1202–1236, 2015.
- J. Heller (with K. Ormsby), “Galois equivariance and stable motivic homotopy theory,” *Trans. Amer. Math. Soc.*, vol. 368, no. 11, pp. 8047–8077, 2016.
- P. Hieronymi (with A. Günaydin), “The real field with the rational points of an elliptic curve,” *Fund. Math.*, vol. 211, no. 1, pp. 15–40, 2011.
- P. Hieronymi, “The real field with an irrational power function and a dense multiplicative subgroup,” *J. Lond. Math. Soc. (2)*, vol. 83, no. 1, pp. 153–167, 2011.
- P. Hieronymi (with A. Günaydin), “Dependent pairs,” *J. Symbolic Logic*, vol. 76, no. 2, pp. 377–390, 2011.
- P. Hieronymi, “Expansions of subfields of the real field by a discrete set,” *Fund. Math.*, vol. 215, no. 2, pp. 167–175, 2011.
- P. Hieronymi (with G. Boxall), “Expansions which introduce no new open sets,” *J. Symbolic Logic*, vol. 77, no. 1, pp. 111–121, 2012.
- P. Hieronymi (with A. Fornasiero, C. Miller), “A dichotomy for expansions of the real field,” *Proc. Amer. Math. Soc.*, vol. 141, no. 2, pp. 697–698, 2013.
- P. Hieronymi, “An analogue of the Baire category theorem,” *J. Symbolic Logic*, vol. 78, no. 1, pp. 207–213, 2013.
- P. Hieronymi (with M. Tychonievich), “Interpreting the projective hierarchy in expansions of the real line,” *Proc. Amer. Math. Soc.*, vol. 142, no. 9, pp. 3259–3267, 2014.
- P. Hieronymi (with A. Fornasiero), “A fundamental dichotomy for definably complete expansions of ordered fields,” *J. Symb. Log.*, vol. 80, no. 4, pp. 1091–1115, 2015.
- P. Hieronymi, “Expansions of the ordered additive group of real numbers by two discrete subgroups,” *J. Symb. Log.*, vol. 81, no. 3, pp. 1007–1027, 2016.

- A. Hinkkanen, “Growth conditions for analytic functions in unbounded open sets,” *Complex Var. Elliptic Equ.*, vol. 56, no. 1-4, pp. 59–80, 2011.
- A. Hinkkanen (with S. Edwards), “Level sets, a Gauss-Fourier conjecture, and a counter-example to a conjecture of Borcea and Shapiro,” *Comput. Methods Funct. Theory*, vol. 11, no. 1, pp. 1–12, 2011.
- A. Hinkkanen, “A conjecture on martingales and rotations,” in *Complex analysis and dynamical systems IV. Part 1*, vol. 553 of *Contemp. Math.*, pp. 99–123, Amer. Math. Soc., Providence, RI, 2011.
- A. Hinkkanen (with J. M. Anderson), “Quasiconformal maps and substantial boundary points,” *Pure Appl. Math. Q.*, vol. 7, no. 1, pp. 1–18, 2011.
- A. Hinkkanen (with M. Chaiya), “Non-existence of prescribable conformally equivariant dilatation in space,” *Proc. Amer. Math. Soc.*, vol. 141, no. 11, pp. 3985–3995, 2013.
- A. Hinkkanen (with S. Chaiya), “Location of the critical points of certain polynomials,” *Ann. Univ. Mariae Curie-Skłodowska Sect. A*, vol. 67, no. 2, pp. 1–9, 2013.
- A. Hinkkanen (with J. M. Anderson), “A new counting function for the zeros of holomorphic curves,” *Anal. Math. Phys.*, vol. 4, no. 1-2, pp. 35–62, 2014.
- A. Hinkkanen (with S. Chaiya), “Dynamics of functions arising from Pisot and Salem polynomials,” *J. Fixed Point Theory Appl.*, vol. 17, no. 2, pp. 371–378, 2015.
- A. Hinkkanen (with S. Suwannaphichat), “Extremal problems related to convexity,” *J. Inequal. Appl.*, pp. 2016:315, 11, 2016.
- A. Hinkkanen (with A. Eremenko, A. Gabrielov), “Exceptional solutions to the Painlevé VI equation,” *J. Math. Phys.*, vol. 58, no. 1, pp. 012701, 8, 2017.
- A. N. Hirani (with T. K. Dey, B. Krishnamoorthy), “Optimal homologous cycles, total unimodularity, and linear programming,” *SIAM J. Comput.*, vol. 40, no. 4, pp. 1026–1044, 2011.
- A. N. Hirani (with N. M. Dunfield), “The least spanning area of a knot and the optimal bounding chain problem,” in *Computational geometry (SCG’11)*, pp. 135–144, ACM, New York, 2011.
- A. N. Hirani (with N. Bell), “PyDEC: software and algorithms for discretization of exterior calculus,” *ACM Trans. Math. Software*, vol. 39, no. 1, pp. Art. 3, 41, 2012.
- A. N. Hirani (with E. VanderZee, D. Guoy, V. Zharnitsky, E. A. Ramos), “Geometric and combinatorial properties of well-centered triangulations in three and higher dimensions,” *Comput. Geom.*, vol. 46, no. 6, pp. 700–724, 2013.
- A. N. Hirani (with K. Kalyanaraman, E. B. VanderZee), “Delaunay Hodge star,” *Comput.-Aided Des.*, vol. 45, no. 2, pp. 540–544, 2013.
- A. N. Hirani (with A. Demlow), “A posteriori error estimates for finite element exterior calculus: the de Rham complex,” *Found. Comput. Math.*, vol. 14, no. 6, pp. 1337–1371, 2014.

- A. N. Hirani (with K. B. Nakshatrala, J. H. Chaudhry), “Numerical method for Darcy flow derived using discrete exterior calculus,” *Int. J. Comput. Methods Eng. Sci. Mech.*, vol. 16, no. 3, pp. 151–169, 2015.
- A. N. Hirani (with M. S. Mohamed, R. Samtaney), “Discrete exterior calculus discretization of incompressible Navier-Stokes equations over surface simplicial meshes,” *J. Comput. Phys.*, vol. 312, pp. 175–191, 2016.
- V. M. Hur, “Stokes waves with vorticity,” *J. Anal. Math.*, vol. 113, pp. 331–386, 2011.
- V. M. Hur, “On the formation of singularities for surface water waves,” *Commun. Pure Appl. Anal.*, vol. 11, no. 4, pp. 1465–1474, 2012.
- V. M. Hur, “Analyticity of rotational flows beneath solitary water waves,” *Int. Math. Res. Not. IMRN*, no. 11, pp. 2550–2570, 2012.
- V. M. Hur, “No solitary waves exist on 2D deep water,” *Nonlinearity*, vol. 25, no. 12, pp. 3301–3312, 2012.
- V. M. Hur (with Z. Lin), “Erratum to: Unstable surface waves in running water [mr2426143],” *Comm. Math. Phys.*, vol. 318, no. 3, pp. 857–861, 2013.
- V. M. Hur (with J. C. Bronski), “Modulational instability and variational structure,” *Stud. Appl. Math.*, vol. 132, no. 4, pp. 285–331, 2014.
- V. M. Hur (with L. Tao), “Wave breaking for the Whitham equation with fractional dispersion,” *Nonlinearity*, vol. 27, no. 12, pp. 2937–2949, 2014.
- V. M. Hur (with M. A. Johnson), “Modulational instability in the Whitham equation for water waves,” *Stud. Appl. Math.*, vol. 134, no. 1, pp. 120–143, 2015.
- V. M. Hur (with M. A. Johnson), “Stability of periodic traveling waves for nonlinear dispersive equations,” *SIAM J. Math. Anal.*, vol. 47, no. 5, pp. 3528–3554, 2015.
- V. M. Hur, “Kinetic, potential and surface tension energies of solitary waves in deep water,” *J. Phys. A*, vol. 48, no. 42, pp. 42FT01, 8, 2015.
- V. M. Hur (with M. A. Johnson), “Modulational instability in the Whitham equation with surface tension and vorticity,” *Nonlinear Anal.*, vol. 129, pp. 104–118, 2015.
- V. M. Hur (with J. C. Bronski, M. A. Johnson), “Modulational instability in equations of KdV type,” in *New approaches to nonlinear waves*, vol. 908 of *Lecture Notes in Phys.*, pp. 83–133, Springer, Cham, 2016.
- V. M. Hur (with A. K. Pandey), “Modulational instability in nonlinear nonlocal equations of regularized long wave type,” *Phys. D*, vol. 325, pp. 98–112, 2016.
- V. M. Hur (with M. R. Livesay), “On the recovery of traveling water waves with vorticity from the pressure at the bed,” *Eur. J. Mech. B Fluids*, vol. 60, pp. 99–109, 2016.
- V. M. Hur (with R. M. Chen, S. Walsh), “Pressure transfer functions for interfacial fluids problems,” *J. Math. Fluid Mech.*, vol. 19, no. 1, pp. 59–76, 2017.

- S. V. Ivanov (with R. Mikhailov), “On zero-divisors in group rings of groups with torsion,” *Canad. Math. Bull.*, vol. 57, no. 2, pp. 326–334, 2014.
- M. Junge (with M. Navascués, C. Palazuelos, D. Pérez-García, V. B. Scholz, R. F. Werner), “Connes embedding problem and Tsirelson’s problem,” *J. Math. Phys.*, vol. 52, no. 1, pp. 012102, 12, 2011.
- M. Junge (with Y. Gordon, M. Meyer, S. Reisner), “The GL-l.u.st. constant and asymmetry of the Kalton-Peck twisted sum in finite dimensions,” *Proc. Amer. Math. Soc.*, vol. 139, no. 8, pp. 2793–2805, 2011.
- M. Junge (with H. H. Lee), “ q -chaos,” *Trans. Amer. Math. Soc.*, vol. 363, no. 10, pp. 5223–5249, 2011.
- M. Junge (with C. Palazuelos), “Large violation of Bell inequalities with low entanglement,” *Comm. Math. Phys.*, vol. 306, no. 3, pp. 695–746, 2011.
- M. Junge (with T. Mei), “BMO spaces associated with semigroups of operators,” *Math. Ann.*, vol. 352, no. 3, pp. 691–743, 2012.
- M. Junge (with K. Lee, Y. Bresler), “Subspace methods for joint sparse recovery,” *IEEE Trans. Inform. Theory*, vol. 58, no. 6, pp. 3613–3641, 2012.
- M. Junge (with T. Cooney, M. Navascués, D. Pérez-García, I. Villanueva), “Joint system quantum descriptions arising from local quantumness,” *Comm. Math. Phys.*, vol. 322, no. 2, pp. 501–513, 2013.
- M. Junge (with K. Lee, Y. Bresler), “Oblique pursuits for compressed sensing,” *IEEE Trans. Inform. Theory*, vol. 59, no. 9, pp. 6111–6141, 2013.
- M. Junge (with Q. Zeng), “Noncommutative Bennett and Rosenthal inequalities,” *Ann. Probab.*, vol. 41, no. 6, pp. 4287–4316, 2013.
- M. Junge (with T. Mei, J. Parcet), “An invitation to harmonic analysis associated with semigroups of operators,” in *Harmonic analysis and partial differential equations*, vol. 612 of *Contemp. Math.*, pp. 107–122, Amer. Math. Soc., Providence, RI, 2014.
- M. Junge (with M. Perrin), “Theory of H_p -spaces for continuous filtrations in von Neumann algebras,” *Astérisque*, no. 362, pp. vi+134, 2014.
- M. Junge (with T. Mei, J. Parcet), “Smooth Fourier multipliers on group von Neumann algebras,” *Geom. Funct. Anal.*, vol. 24, no. 6, pp. 1913–1980, 2014.
- M. Junge (with C. Palazuelos), “Channel capacities via p -summing norms,” *Adv. Math.*, vol. 272, pp. 350–398, 2015.
- M. Junge (with T. Cooney, C. Palazuelos, D. Pérez-García), “Rank-one quantum games,” *Comput. Complexity*, vol. 24, no. 1, pp. 133–196, 2015.
- M. Junge (with Q. Zeng), “Noncommutative martingale deviation and Poincaré type inequalities with applications,” *Probab. Theory Related Fields*, vol. 161, no. 3-4, pp. 449–507, 2015.

- M. Junge (with C. Palazuelos, J. Parcet, M. Perrin, E. Ricard), “Hypercontractivity for free products,” *Ann. Sci. Éc. Norm. Supér. (4)*, vol. 48, no. 4, pp. 861–889, 2015.
- M. Junge (with C. Palazuelos, J. Parcet, M. Perrin), “Hypercontractivity in finite-dimensional matrix algebras,” *J. Math. Phys.*, vol. 56, no. 2, pp. 023505, 9, 2015.
- M. Junge (with Q. Zeng), “Subgaussian 1-cocycles on discrete groups,” *J. Lond. Math. Soc. (2)*, vol. 92, no. 2, pp. 242–264, 2015.
- M. Junge (with C. Palazuelos), “CB-norm estimates for maps between noncommutative L_p -spaces and quantum channel theory,” *Int. Math. Res. Not. IMRN*, no. 3, pp. 875–925, 2016.
- M. Junge (with G. Hong, J. Parcet), “Algebraic Davis decomposition and asymmetric Doob inequalities,” *Comm. Math. Phys.*, vol. 346, no. 3, pp. 995–1019, 2016.
- M. Junge (with T. Oikhberg, C. Palazuelos), “Reducing the number of questions in nonlocal games,” *J. Math. Phys.*, vol. 57, no. 10, pp. 102203, 15, 2016.
- M. Junge (with K. Lee, Y. Li, Y. Bresler), “Blind recovery of sparse signals from subsampled convolution,” *IEEE Trans. Inform. Theory*, vol. 63, no. 2, pp. 802–821, 2017.
- I. Kapovich (with M. Lustig), “Stabilizers of \mathbb{R} -trees with free isometric actions of F_N ,” *J. Group Theory*, vol. 14, no. 5, pp. 673–694, 2011.
- I. Kapovich, “Random length-spectrum rigidity for free groups,” *Proc. Amer. Math. Soc.*, vol. 140, no. 5, pp. 1549–1560, 2012.
- I. Kapovich (with M. Carette, S. Francaviglia, A. Martino), “Spectral rigidity of automorphic orbits in free groups,” *Algebr. Geom. Topol.*, vol. 12, no. 3, pp. 1457–1486, 2012.
- I. Kapovich (with A. Lukyanenko), “Quasi-isometric co-Hopficity of non-uniform lattices in rank-one semi-simple Lie groups,” *Conform. Geom. Dyn.*, vol. 16, pp. 269–282, 2012.
- I. Kapovich (with T. Nagnibeda), “Subset currents on free groups,” *Geom. Dedicata*, vol. 166, pp. 307–348, 2013.
- I. Kapovich, “Algorithmic detectability of iwip automorphisms,” *Bull. Lond. Math. Soc.*, vol. 46, no. 2, pp. 279–290, 2014.
- I. Kapovich (with K. Rafi), “On hyperbolicity of free splitting and free factor complexes,” *Groups Geom. Dyn.*, vol. 8, no. 2, pp. 391–414, 2014.
- I. Kapovich (with S. Dowdall, C. J. Leininger), “Unbounded asymmetry of stretch factors,” *C. R. Math. Acad. Sci. Paris*, vol. 352, no. 11, pp. 885–887, 2014.
- I. Kapovich (with M. Carette, S. Francaviglia, A. Martino), “Corrigendum: “Spectral rigidity of automorphic orbits in free groups” [mr2966693],” *Algebr. Geom. Topol.*, vol. 14, no. 5, pp. 3081–3088, 2014.
- I. Kapovich (with M. Lustig), “Invariant laminations for irreducible automorphisms of free groups,” *Q. J. Math.*, vol. 65, no. 4, pp. 1241–1275, 2014.

- I. Kapovich (with M. Lustig), “Cannon-Thurston fibers for iwip automorphisms of F_N ,” *J. Lond. Math. Soc. (2)*, vol. 91, no. 1, pp. 203–224, 2015.
- I. Kapovich (with C. Pfaff), “A train track directed random walk on $\text{Out}(F_r)$,” *Internat. J. Algebra Comput.*, vol. 25, no. 5, pp. 745–798, 2015.
- I. Kapovich (with M. Lustig), “Patterson-Sullivan currents, generic stretching factors and the asymmetric Lipschitz metric for outer space,” *Pacific J. Math.*, vol. 277, no. 2, pp. 371–398, 2015.
- I. Kapovich (with S. Dowdall, C. J. Leininger), “Dynamics on free-by-cyclic groups,” *Geom. Topol.*, vol. 19, no. 5, pp. 2801–2899, 2015.
- I. Kapovich (with W. Jeon, C. Leininger, K. Ohshika), “Conical limit points and the Cannon-Thurston map,” *Conform. Geom. Dyn.*, vol. 20, pp. 58–80, 2016.
- I. Kapovich (with R. Weidmann), “Nielsen equivalence in a class of random groups,” *J. Topol.*, vol. 9, no. 2, pp. 502–534, 2016.
- I. Kapovich, “On purely loxodromic actions,” *Monatsh. Math.*, vol. 181, no. 1, pp. 89–101, 2016.
- I. Kapovich (with S. Dowdall, S. J. Taylor), “Cannon-Thurston maps for hyperbolic free group extensions,” *Israel J. Math.*, vol. 216, no. 2, pp. 753–797, 2016.
- I. Kapovich, “An integral weight realization theorem for subset currents on free groups,” *Topology Proc.*, vol. 50, pp. 213–236, 2017.
- S. Katz (with F. Chen, K. Dasgupta, P. Franche, R. Tatar), “Supersymmetric configurations, geometric transitions and new non-Kähler manifolds,” *Nuclear Phys. B*, vol. 852, no. 3, pp. 553–591, 2011.
- S. Katz (with D. R. Morrison, S. Schäfer-Nameki, J. Sully), “Tate’s algorithm and F-theory,” *J. High Energy Phys.*, no. 8, pp. 094, 28, 2011.
- S. Katz (with R. Donagi, J. Guffin, E. Sharpe), “(0, 2) quantum cohomology,” in *String-Math 2011*, vol. 85 of *Proc. Sympos. Pure Math.*, pp. 83–103, Amer. Math. Soc., Providence, RI, 2012.
- S. Katz (with R. Donagi, J. Guffin, E. Sharpe), “Physical aspects of quantum sheaf cohomology for deformations of tangent bundles of toric varieties,” *Adv. Theor. Math. Phys.*, vol. 17, no. 6, pp. 1255–1301, 2013.
- S. Katz (with R. Donagi, M. Wijnholt), “Weak coupling, degeneration and log Calabi-Yau spaces,” *Pure Appl. Math. Q.*, vol. 9, no. 4, pp. 655–738, 2013.
- S. Katz (with J. Choi, A. Klemm), “The refined BPS index from stable pair invariants,” *Comm. Math. Phys.*, vol. 328, no. 3, pp. 903–954, 2014.
- S. Katz (with L. B. Anderson, J. J. Heckman), “T-branes and geometry,” *J. High Energy Phys.*, no. 5, pp. 080, front matter+67, 2014.
- S. Katz (with R. Donagi, J. Guffin, E. Sharpe), “A mathematical theory of quantum sheaf cohomology,” *Asian J. Math.*, vol. 18, no. 3, pp. 387–417, 2014.

- S. Katz (with M.-x. Huang, A. Klemm), “Elliptically fibered Calabi-Yau manifolds and the ring of Jacobi forms,” *Nuclear Phys. B*, vol. 898, pp. 681–692, 2015.
- S. Katz (with M.-x. Huang, A. Klemm), “Topological string on elliptic CY 3-folds and the ring of Jacobi forms,” *J. High Energy Phys.*, no. 10, pp. 125, front matter+78, 2015.
- S. Katz (with A. Klemm, R. Pandharipande), “On the motivic stable pairs invariants of $K3$ surfaces,” in *K3 surfaces and their moduli*, vol. 315 of *Progr. Math.*, pp. 111–146, Birkhäuser/Springer, [Cham], 2016. With an appendix by R. P. Thomas.
- S. Katz (with H. Jockers, D. R. Morrison, M. R. Plesser), “ $SU(N)$ transitions in M-theory on Calabi-Yau fourfolds and background fluxes,” *Comm. Math. Phys.*, vol. 351, no. 2, pp. 837–871, 2017.
- R. Kedem, “A pentagon of identities, graded tensor products, and the Kirillov-Reshetikhin conjecture,” in *New trends in quantum integrable systems*, pp. 173–193, World Sci. Publ., Hackensack, NJ, 2011.
- R. Kedem (with P. Di Francesco), “Non-commutative integrability, paths and quasi-determinants,” *Adv. Math.*, vol. 228, no. 1, pp. 97–152, 2011.
- R. Kedem (with P. Di Francesco), “The solution of the quantum A_1 T -system for arbitrary boundary,” *Comm. Math. Phys.*, vol. 313, no. 2, pp. 329–350, 2012.
- R. Kedem (with P. Di Francesco), “ T -systems with boundaries from network solutions,” *Electron. J. Combin.*, vol. 20, no. 1, pp. Paper 3, 62, 2013.
- R. Kedem (with P. Di Francesco), “Quantum cluster algebras and fusion products,” *Int. Math. Res. Not. IMRN*, no. 10, pp. 2593–2642, 2014.
- R. Kedem (with P. Vichitkunakorn), “ T -systems and the pentagram map,” *J. Geom. Phys.*, vol. 87, pp. 233–247, 2015.
- R. Kedem (with P. Di Francesco), “Quantum Q systems: from cluster algebras to quantum current algebras,” *Lett. Math. Phys.*, vol. 107, no. 2, pp. 301–341, 2017.
- E. Kerman (with W. Dai, O. Milenkovic), “Subspace evolution and transfer (SET) for low-rank matrix completion,” *IEEE Trans. Signal Process.*, vol. 59, no. 7, pp. 3120–3132, 2011.
- E. Kerman (with W. Dai, O. Milenkovic), “A geometric approach to low-rank matrix completion,” *IEEE Trans. Inform. Theory*, vol. 58, no. 1, pp. 237–247, 2012.
- E. Kerman, “On primes and period growth for Hamiltonian diffeomorphisms,” *J. Mod. Dyn.*, vol. 6, no. 1, pp. 41–58, 2012.
- E. Kerman (with B. Collier, B. M. Reiniger, B. Turmunkh, A. Zimmer), “A symplectic proof of a theorem of Franks,” *Compos. Math.*, vol. 148, no. 6, pp. 1969–1984, 2012.
- E. Kerman (with R. Hind), “New obstructions to symplectic embeddings,” *Invent. Math.*, vol. 196, no. 2, pp. 383–452, 2014.

- K. Kirkpatrick (with B. Schlein, G. Staffilani), “Derivation of the two-dimensional nonlinear Schrödinger equation from many body quantum dynamics,” *Amer. J. Math.*, vol. 133, no. 1, pp. 91–130, 2011.
- K. Kirkpatrick, “Solitons and Gibbs measures for nonlinear Schrödinger equations,” *Math. Model. Nat. Phenom.*, vol. 7, no. 2, pp. 95–112, 2012.
- K. Kirkpatrick (with S. Chatterjee), “Probabilistic methods for discrete nonlinear Schrödinger equations,” *Comm. Pure Appl. Math.*, vol. 65, no. 5, pp. 727–757, 2012.
- K. Kirkpatrick (with E. Lenzmann, G. Staffilani), “On the continuum limit for discrete NLS with long-range lattice interactions,” *Comm. Math. Phys.*, vol. 317, no. 3, pp. 563–591, 2013.
- K. Kirkpatrick (with G. Ben Arous, B. Schlein), “A central limit theorem in many-body quantum dynamics,” *Comm. Math. Phys.*, vol. 321, no. 2, pp. 371–417, 2013.
- K. Kirkpatrick (with E. Meckes), “Asymptotics of the mean-field Heisenberg model,” *J. Stat. Phys.*, vol. 152, no. 1, pp. 54–92, 2013.
- K. Kirkpatrick (with M. Brannan), “Quantum groups and generalized circular elements,” *Pacific J. Math.*, vol. 282, no. 1, pp. 35–61, 2016.
- K. Kirkpatrick (with Y. Zhang), “Fractional Schrödinger dynamics and decoherence,” *Phys. D*, vol. 332, pp. 41–54, 2016.
- K. Kirkpatrick (with T. Nawaz), “Asymptotics of mean-field $O(N)$ models,” *J. Stat. Phys.*, vol. 165, no. 6, pp. 1114–1140, 2016.
- E. Kirr (with P. G. Kevrekidis, D. E. Pelinovsky), “Symmetry-breaking bifurcation in the nonlinear Schrödinger equation with symmetric potentials,” *Comm. Math. Phys.*, vol. 308, no. 3, pp. 795–844, 2011.
- E. Kirr (with M. Wilkinson, A. Zarnescu), “Dynamic statistical scaling in the Landau–de Gennes theory of nematic liquid crystals,” *J. Stat. Phys.*, vol. 155, no. 4, pp. 625–657, 2014.
- A. V. Kostochka (with C. Stocker), “Graphs with maximum degree 5 are acyclically 7-colorable,” *Ars Math. Contemp.*, vol. 4, no. 1, pp. 153–164, 2011.
- A. V. Kostochka (with M. Stiebitz, D. R. Woodall), “Ohba’s conjecture for graphs with independence number five,” *Discrete Math.*, vol. 311, no. 12, pp. 996–1005, 2011.
- A. V. Kostochka (with T. Böhme, A. Thomason), “Minors in graphs with high chromatic number,” *Combin. Probab. Comput.*, vol. 20, no. 4, pp. 513–518, 2011.
- A. V. Kostochka (with N. Alon), “Hypergraph list coloring and Euclidean Ramsey theory,” *Random Structures Algorithms*, vol. 39, no. 3, pp. 377–390, 2011.
- A. V. Kostochka (with J. Balogh), “Large minors in graphs with given independence number,” *Discrete Math.*, vol. 311, no. 20, pp. 2203–2215, 2011.

- A. V. Kostochka (with O. V. Borodin), “Vertex decompositions of sparse graphs into an independent set and a subgraph of maximum degree at most 1,” *Sibirsk. Mat. Zh.*, vol. 52, no. 5, pp. 1004–1010, 2011.
- A. V. Kostochka (with L. Rabern, M. Stiebitz), “Graphs with chromatic number close to maximum degree,” *Discrete Math.*, vol. 312, no. 6, pp. 1273–1281, 2012.
- A. V. Kostochka (with P. Haxell, S. Thomassé), “A stability theorem on fractional covering of triangles by edges,” *European J. Combin.*, vol. 33, no. 5, pp. 799–806, 2012.
- A. V. Kostochka (with M. Yancey), “Large rainbow matchings in edge-coloured graphs,” *Combin. Probab. Comput.*, vol. 21, no. 1-2, pp. 255–263, 2012.
- A. V. Kostochka (with S. Akbari, J. Kim), “Harmonious coloring of trees with large maximum degree,” *Discrete Math.*, vol. 312, no. 10, pp. 1633–1637, 2012.
- A. V. Kostochka (with N. Alon), “Dense uniform hypergraphs have high list chromatic number,” *Discrete Math.*, vol. 312, no. 14, pp. 2119–2125, 2012.
- A. V. Kostochka (with M. Kumbhat, T. Łuczak), “Conflict-free colourings of uniform hypergraphs with few edges,” *Combin. Probab. Comput.*, vol. 21, no. 4, pp. 611–622, 2012.
- A. V. Kostochka (with H. A. Kierstead), “Every 4-colorable graph with maximum degree 4 has an equitable 4-coloring,” *J. Graph Theory*, vol. 71, no. 1, pp. 31–48, 2012.
- A. V. Kostochka (with P. Haxell, S. Thomassé), “Packing and covering triangles in K_4 -free planar graphs,” *Graphs Combin.*, vol. 28, no. 5, pp. 653–662, 2012.
- A. V. Kostochka (with G. Yu), “Graphs containing every 2-factor,” *Graphs Combin.*, vol. 28, no. 5, pp. 687–716, 2012.
- A. V. Kostochka (with N. Prince), “On $K_{s,t}$ -minors in graphs with given average degree, II,” *Discrete Math.*, vol. 312, no. 24, pp. 3517–3522, 2012.
- A. V. Kostochka, “On almost $(k - 1)$ -degenerate $(k + 1)$ -chromatic graphs and hypergraphs,” *Discrete Math.*, vol. 313, no. 4, pp. 366–374, 2013.
- A. V. Kostochka (with J. Balogh, A. Raigorodskii), “Coloring some finite sets in \mathbb{R}^n ,” *Discuss. Math. Graph Theory*, vol. 33, no. 1, pp. 25–31, 2013.
- A. V. Kostochka (with J. Balogh, A. Treglown), “On perfect packings in dense graphs,” *Electron. J. Combin.*, vol. 20, no. 1, pp. Paper 57, 17, 2013.
- A. V. Kostochka (with C. Stocker, P. Hamburger), “A hypergraph version of a graph packing theorem by Bollobás and Eldridge,” *J. Graph Theory*, vol. 74, no. 2, pp. 222–235, 2013.
- A. V. Kostochka (with D. Mubayi, J. Verstraete), “Hypergraph Ramsey numbers: triangles versus cliques,” *J. Combin. Theory Ser. A*, vol. 120, no. 7, pp. 1491–1507, 2013.
- A. V. Kostochka (with O. V. Borodin, M. Yancey), “On 1-improper 2-coloring of sparse graphs,” *Discrete Math.*, vol. 313, no. 22, pp. 2638–2649, 2013.

- A. V. Kostochka (with M. Yancey), “On coloring of sparse graphs,” in *Computer science—theory and applications*, vol. 7913 of *Lecture Notes in Comput. Sci.*, pp. 224–234, Springer, Heidelberg, 2013.
- A. V. Kostochka (with H. A. Kierstead), “Equitable list coloring of graphs with bounded degree,” *J. Graph Theory*, vol. 74, no. 3, pp. 309–334, 2013.
- A. V. Kostochka (with O. V. Borodin, A. O. Ivanova, T. R. Jensen, M. P. Yancey), “Describing 3-paths in normal plane maps,” *Discrete Math.*, vol. 313, no. 23, pp. 2702–2711, 2013.
- A. V. Kostochka (with S.-J. Kim, D. B. West, H. Wu, X. Zhu), “Decomposition of sparse graphs into forests and a graph with bounded degree,” *J. Graph Theory*, vol. 74, no. 4, pp. 369–391, 2013.
- A. V. Kostochka (with K. F. Jao, D. B. West), “Decomposition of Cartesian products of regular graphs into isomorphic trees,” *J. Comb.*, vol. 4, no. 4, pp. 469–490, 2013.
- A. V. Kostochka (with K. G. Milans), “Coloring clean and K_4 -free circle graphs,” in *Thirty essays on geometric graph theory*, pp. 399–414, Springer, New York, 2013.
- A. V. Kostochka (with O. V. Borodin, A. O. Ivanova), “Every 3-polytope with minimum degree 5 has a 6-cycle with maximum degree at most 11,” *Discrete Math.*, vol. 315, pp. 128–134, 2014.
- A. V. Kostochka (with O. V. Borodin, B. Lidický, M. Yancey), “Short proofs of coloring theorems on planar graphs,” *European J. Combin.*, vol. 36, pp. 314–321, 2014.
- A. V. Kostochka (with O. V. Borodin), “Defective 2-colorings of sparse graphs,” *J. Combin. Theory Ser. B*, vol. 104, pp. 72–80, 2014.
- A. V. Kostochka (with O. V. Borodin, A. O. Ivanova), “Describing faces in plane triangulations,” *Discrete Math.*, vol. 319, pp. 47–61, 2014.
- A. V. Kostochka (with J. Kim), “Maximum hypergraphs without regular subgraphs,” *Discuss. Math. Graph Theory*, vol. 34, no. 1, pp. 151–166, 2014.
- A. V. Kostochka (with D. Mubayi, J. Verstraëte), “On independent sets in hypergraphs,” *Random Structures Algorithms*, vol. 44, no. 2, pp. 224–239, 2014.
- A. V. Kostochka, “ $K_{s,t}$ minors in $(s + t)$ -chromatic graphs, II,” *J. Graph Theory*, vol. 75, no. 4, pp. 377–386, 2014.
- A. V. Kostochka, “A new tool for proving Vizing’s theorem,” *Discrete Math.*, vol. 326, pp. 1–3, 2014.
- A. V. Kostochka (with Z. Füredi, M. Kumbhat), “Choosability with separation of complete multipartite graphs and hypergraphs,” *J. Graph Theory*, vol. 76, no. 2, pp. 129–137, 2014.
- A. V. Kostochka (with O. V. Borodin, Z. Dvořák, B. Lidický, M. Yancey), “Planar 4-critical graphs with four triangles,” *European J. Combin.*, vol. 41, pp. 138–151, 2014.
- A. V. Kostochka (with M. Yancey), “Ore’s conjecture for $k = 4$ and Grötzsch’s theorem,” *Combinatorica*, vol. 34, no. 3, pp. 323–329, 2014.

- A. V. Kostochka (with J. Kim, X. Zhu), “Improper coloring of sparse graphs with a given girth, I: $(0, 1)$ -colorings of triangle-free graphs,” *European J. Combin.*, vol. 42, pp. 26–48, 2014.
- A. V. Kostochka (with M. Yancey), “Ore’s conjecture on color-critical graphs is almost true,” *J. Combin. Theory Ser. B*, vol. 109, pp. 73–101, 2014.
- A. V. Kostochka (with D. Mubayi, J. Verstraëte), “Turán problems and shadows I: Paths and cycles,” *J. Combin. Theory Ser. A*, vol. 129, pp. 57–79, 2015.
- A. V. Kostochka (with B. M. Reiniger), “The minimum number of edges in a 4-critical graph that is bipartite plus 3 edges,” *European J. Combin.*, vol. 46, pp. 89–94, 2015.
- A. V. Kostochka (with D. Mubayi, J. Verstraëte), “Turán problems and shadows III: expansions of graphs,” *SIAM J. Discrete Math.*, vol. 29, no. 2, pp. 868–876, 2015.
- A. V. Kostochka (with H. A. Kierstead), “A refinement of a result of Corrádi and Hajnal,” *Combinatorica*, vol. 35, no. 4, pp. 497–512, 2015.
- A. V. Kostochka (with X. Li, W. Ruksasakchai, M. Santana, T. Wang, G. Yu), “Strong chromatic index of subcubic planar multigraphs,” *European J. Combin.*, vol. 51, pp. 380–397, 2016.
- A. V. Kostochka (with A. Bernshteyn), “On the number of edges in a graph with no $(k + 1)$ -connected subgraphs,” *Discrete Math.*, vol. 339, no. 2, pp. 682–688, 2016.
- A. V. Kostochka (with E. Györfi, A. McConvey, D. Yager), “Toward Zák’s conjecture on graph packing,” *J. Comb.*, vol. 7, no. 2-3, pp. 307–340, 2016.
- A. V. Kostochka (with E. Györfi, A. McConvey, D. Yager), “A list version of graph packing,” *Discrete Math.*, vol. 339, no. 8, pp. 2178–2185, 2016.
- A. V. Kostochka (with J. Nešetřil), “Adding edges to increase the chromatic number of a graph,” *Combin. Probab. Comput.*, vol. 25, no. 4, pp. 592–594, 2016.
- A. V. Kostochka (with A. McConvey, D. Yager), “On a packing problem of Alon and Yuster,” *Discrete Math.*, vol. 339, no. 11, pp. 2785–2792, 2016.
- A. V. Kostochka (with J. Kim, X. Zhu), “Improper coloring of sparse graphs with a given girth, II: constructions,” *J. Graph Theory*, vol. 81, no. 4, pp. 403–413, 2016.
- A. V. Kostochka (with N. Alon, B. Reiniger, D. B. West, X. Zhu), “Coloring, sparseness and girth,” *Israel J. Math.*, vol. 214, no. 1, pp. 315–331, 2016.
- A. V. Kostochka (with Z. Füredi, J. Verstraëte), “Stability in the Erdős-Gallai theorems on cycles and paths,” *J. Combin. Theory Ser. B*, vol. 121, pp. 197–228, 2016.
- A. V. Kostochka (with H. A. Kierstead, E. C. Yeager), “On the Corrádi-Hajnal theorem and a question of Dirac,” *J. Combin. Theory Ser. B*, vol. 122, pp. 121–148, 2017.
- A. V. Kostochka (with D. Mubayi, J. Verstraëte), “Turán problems and shadows II: Trees,” *J. Combin. Theory Ser. B*, vol. 122, pp. 457–478, 2017.

- A. V. Kostochka (with M. Chen, S.-J. Kim, D. B. West, X. Zhu), “Decomposition of sparse graphs into forests: the nine dragon tree conjecture for $k \leq 2$,” *J. Combin. Theory Ser. B*, vol. 122, pp. 741–756, 2017.
- A. V. Kostochka (with D. Mubayi), “The structure of large intersecting families,” *Proc. Amer. Math. Soc.*, vol. 145, no. 6, pp. 2311–2321, 2017.
- D. Kutzarova (with J. Bourgain, S. Dilworth, K. Ford, S. Konyagin), “Explicit constructions of RIP matrices and related problems,” *Duke Math. J.*, vol. 159, no. 1, pp. 145–185, 2011.
- D. Kutzarova (with J. Bourgain, S. J. Dilworth, K. Ford, S. V. Konyagin), “Breaking the k^2 barrier for explicit RIP matrices [extended abstract],” in *STOC’11—Proceedings of the 43rd ACM Symposium on Theory of Computing*, pp. 637–644, ACM, New York, 2011.
- D. Kutzarova (with A. Manoussakis, A. Pelczar-Barwacz), “Isomorphisms and strictly singular operators in mixed Tsirelson spaces,” *J. Math. Anal. Appl.*, vol. 388, no. 2, pp. 1040–1060, 2012.
- D. Kutzarova (with S. J. Dilworth, T. Schlumprecht, P. Wojtaszczyk), “Weak thresholding greedy algorithms in Banach spaces,” *J. Funct. Anal.*, vol. 263, no. 12, pp. 3900–3921, 2012.
- D. Kutzarova (with S. J. Dilworth, N. Lovasoa Randrianarivony, J. P. Revalski, N. V. Zhivkov), “Compactly uniformly convex spaces and property (β) of Rolewicz,” *J. Math. Anal. Appl.*, vol. 402, no. 1, pp. 297–307, 2013.
- D. Kutzarova (with S. J. Dilworth, S. Gogyan), “On the convergence of a weak greedy algorithm for the multivariate Haar basis,” *Constr. Approx.*, vol. 39, no. 2, pp. 343–366, 2014.
- D. Kutzarova (with S. J. Dilworth, G. Lancien, N. L. Randrianarivony), “Asymptotic geometry of Banach spaces and uniform quotient maps,” *Proc. Amer. Math. Soc.*, vol. 142, no. 8, pp. 2747–2762, 2014.
- D. Kutzarova (with S. J. Dilworth, E. Odell, T. Schlumprecht, A. Zsák), “Renorming spaces with greedy bases,” *J. Approx. Theory*, vol. 188, pp. 39–56, 2014.
- D. Kutzarova (with J. A. Chávez-Domínguez), “Stability of low-rank matrix recovery and its connections to Banach space geometry,” *J. Math. Anal. Appl.*, vol. 427, no. 1, pp. 320–335, 2015.
- D. Kutzarova (with S. J. Dilworth, T. Oikhberg), “Lebesgue constants for the weak greedy algorithm,” *Rev. Mat. Complut.*, vol. 28, no. 2, pp. 393–409, 2015.
- D. Kutzarova (with R. Causey, S. J. Dilworth, S. Gogyan), “An X -greedy algorithm with weakness parameters,” *C. R. Acad. Bulgare Sci.*, vol. 68, no. 3, pp. 295–300, 2015.
- D. Kutzarova (with S. J. Dilworth, N. L. Randrianarivony, J. P. Revalski, N. V. Zhivkov), “Lenses and asymptotic midpoint uniform convexity,” *J. Math. Anal. Appl.*, vol. 436, no. 2, pp. 810–821, 2016.
- D. Kutzarova (with S. J. Dilworth, N. L. Randrianarivony), “The transfer of property (β) of Rolewicz by a uniform quotient map,” *Trans. Amer. Math. Soc.*, vol. 368, no. 9, pp. 6253–6270, 2016.

- D. Kutzarova (with F. Albiac, J. L. Ansorena, S. J. Dilworth), “Banach spaces with a unique greedy basis,” *J. Approx. Theory*, vol. 210, pp. 80–102, 2016.
- D. Kutzarova (with S. J. Dilworth, G. Lancien, N. L. Randrianarivony), “Equivalent norms with the property (β) of Rolewicz,” *Rev. R. Acad. Cienc. Exactas Fis. Nat. Ser. A Math. RACSAM*, vol. 111, no. 1, pp. 101–113, 2017.
- D. Kutzarova (with S. J. Dilworth, S. Gogyan, T. Schlumprecht), “On the boundedness of threshold operators in $L_1[0, 1]$ with respect to the Haar basis,” *Positivity*, vol. 21, no. 1, pp. 157–176, 2017.
- R. S. Laugesen (with H.-Q. Bui), “Wavelets in Littlewood-Paley space, and Mexican hat completeness,” *Appl. Comput. Harmon. Anal.*, vol. 30, no. 2, pp. 204–213, 2011.
- R. S. Laugesen (with B. A. Siudeja), “Sums of Laplace eigenvalues—rotationally symmetric maximizers in the plane,” *J. Funct. Anal.*, vol. 260, no. 6, pp. 1795–1823, 2011.
- R. S. Laugesen (with H.-Q. Bui), “Frequency-scale frames and the solution of the Mexican hat problem,” *Constr. Approx.*, vol. 33, no. 2, pp. 163–189, 2011.
- R. S. Laugesen (with M. S. Ashbaugh, A. Henrot), “Rebuttal of Donnelly’s paper on the spectral gap [mr2836055],” *Math. Z.*, vol. 269, no. 1-2, pp. 5–7, 2011.
- R. S. Laugesen (with B. A. Siudeja), “Sums of Laplace eigenvalues: rotations and tight frames in higher dimensions,” *J. Math. Phys.*, vol. 52, no. 9, pp. 093703, 13, 2011.
- R. S. Laugesen (with B. Siudeja), “Dirichlet eigenvalue sums on triangles are minimal for equilaterals,” *Comm. Anal. Geom.*, vol. 19, no. 5, pp. 855–885, 2011.
- R. S. Laugesen (with A. Baernstein, II, I. E. Pritsker), “Moment inequalities for equilibrium measures in the plane,” *Pure Appl. Math. Q.*, vol. 7, no. 1, pp. 51–86, 2011.
- R. S. Laugesen (with J. Liang, A. Roy), “Sums of magnetic eigenvalues are maximal on rotationally symmetric domains,” *Ann. Henri Poincaré*, vol. 13, no. 4, pp. 731–750, 2012.
- R. S. Laugesen (with Z. C. Pan, S. S. Son), “Neumann eigenvalue sums on triangles are (mostly) minimal for equilaterals,” *Math. Inequal. Appl.*, vol. 15, no. 2, pp. 381–394, 2012.
- R. S. Laugesen (with H.-Q. Bui), “Uniqueness for the continuous wavelet transform,” *Far East J. Appl. Math.*, vol. 65, no. 1, pp. 1–11, 2012.
- R. S. Laugesen (with H.-Q. Bui), “Wavelet frame bijectivity on Lebesgue and Hardy spaces,” *J. Fourier Anal. Appl.*, vol. 19, no. 2, pp. 376–409, 2013.
- R. S. Laugesen (with H.-Q. Bui), “Explicit interpolation bounds between Hardy space and L^2 ,” *J. Aust. Math. Soc.*, vol. 95, no. 2, pp. 158–168, 2013.
- R. S. Laugesen, “Tight frames and rotations: sharp bounds on eigenvalues of the Laplacian,” in *AMSI International Conference on Harmonic Analysis and Applications*, vol. 45 of *Proc. Centre Math. Appl. Austral. Nat. Univ.*, pp. 63–82, Austral. Nat. Univ., Canberra, 2013.

- R. S. Laugesen (with B. Siudeja), “Sharp spectral bounds on starlike domains,” *J. Spectr. Theory*, vol. 4, no. 2, pp. 309–347, 2014.
- R. S. Laugesen (with P. G. Mehta, S. P. Meyn, M. Raginsky), “Poisson’s equation in nonlinear filtering,” *SIAM J. Control Optim.*, vol. 53, no. 1, pp. 501–525, 2015.
- R. S. Laugesen (with B. A. Siudeja), “Magnetic spectral bounds on starlike plane domains,” *ESAIM Control Optim. Calc. Var.*, vol. 21, no. 3, pp. 670–689, 2015.
- R. S. Laugesen (with A. Girouard, B. A. Siudeja), “Steklov eigenvalues and quasiconformal maps of simply connected planar domains,” *Arch. Ration. Mech. Anal.*, vol. 219, no. 2, pp. 903–936, 2016.
- R. S. Laugesen (with T. Yang, P. G. Mehta, S. P. Meyn), “Multivariable feedback particle filter,” *Automatica J. IFAC*, vol. 71, pp. 10–23, 2016.
- C. J. Leininger (with D. D. Long, A. W. Reid), “Commensurators of finitely generated nonfree Kleinian groups,” *Algebr. Geom. Topol.*, vol. 11, no. 1, pp. 605–624, 2011.
- C. J. Leininger (with B. Farb, D. Margalit), “Small dilatation pseudo-Anosov homeomorphisms and 3-manifolds,” *Adv. Math.*, vol. 228, no. 3, pp. 1466–1502, 2011.
- C. J. Leininger (with M. Mj, S. Schleimer), “The universal Cannon-Thurston map and the boundary of the curve complex,” *Comment. Math. Helv.*, vol. 86, no. 4, pp. 769–816, 2011.
- C. J. Leininger (with M. T. Clay, J. Mangahas), “The geometry of right-angled Artin subgroups of mapping class groups,” *Groups Geom. Dyn.*, vol. 6, no. 2, pp. 249–278, 2012.
- C. J. Leininger, “Degenerations of hyperbolic structures on surfaces,” in *Geometry, topology and dynamics of character varieties*, vol. 23 of *Lect. Notes Ser. Inst. Math. Sci. Natl. Univ. Singap.*, pp. 95–138, World Sci. Publ., Hackensack, NJ, 2012.
- C. J. Leininger (with D. Margalit), “On the number and location of short geodesics in moduli space,” *J. Topol.*, vol. 6, no. 1, pp. 30–48, 2013.
- C. J. Leininger (with J. Aramayona), “Finite rigid sets in curve complexes,” *J. Topol. Anal.*, vol. 5, no. 2, pp. 183–203, 2013.
- C. J. Leininger (with V. Gadre, E. Hironaka, R. P. Kent, IV), “Lipschitz constants to curve complexes,” *Math. Res. Lett.*, vol. 20, no. 4, pp. 647–656, 2013.
- C. J. Leininger (with G. S. Lakeland), “Systoles and Dehn surgery for hyperbolic 3-manifolds,” *Algebr. Geom. Topol.*, vol. 14, no. 3, pp. 1441–1460, 2014.
- C. J. Leininger (with R. P. Kent, IV), “A geometric criterion to be pseudo-Anosov,” *Michigan Math. J.*, vol. 63, no. 2, pp. 227–251, 2014.
- C. J. Leininger (with S. Dowdall, I. Kapovich), “Unbounded asymmetry of stretch factors,” *C. R. Math. Acad. Sci. Paris*, vol. 352, no. 11, pp. 885–887, 2014.
- C. J. Leininger (with M. Clay, D. Margalit), “Abstract commensurators of right-angled Artin groups and mapping class groups,” *Math. Res. Lett.*, vol. 21, no. 3, pp. 461–467, 2014.

- C. J. Leininger (with S. Schleimer), “Hyperbolic spaces in Teichmüller spaces,” *J. Eur. Math. Soc. (JEMS)*, vol. 16, no. 12, pp. 2669–2692, 2014.
- C. J. Leininger (with S. Dowdall, R. P. Kent, IV), “Pseudo-Anosov subgroups of fibered 3-manifold groups,” *Groups Geom. Dyn.*, vol. 8, no. 4, pp. 1247–1282, 2014.
- C. J. Leininger (with S. Dowdall, I. Kapovich), “Dynamics on free-by-cyclic groups,” *Geom. Topol.*, vol. 19, no. 5, pp. 2801–2899, 2015.
- C. J. Leininger (with J. Aramayona), “Exhausting curve complexes by finite rigid sets,” *Pacific J. Math.*, vol. 282, no. 2, pp. 257–283, 2016.
- C. J. Leininger (with W. Jeon, I. Kapovich, K. Ohshika), “Conical limit points and the Cannon-Thurston map,” *Conform. Geom. Dyn.*, vol. 20, pp. 58–80, 2016.
- C. J. Leininger (with I. Agol, D. Margalit), “Pseudo-Anosov stretch factors and homology of mapping tori,” *J. Lond. Math. Soc. (2)*, vol. 93, no. 3, pp. 664–682, 2016.
- C. J. Leininger (with F. Gültepe), “An arc graph distance formula for the flip graph,” *Proc. Amer. Math. Soc.*, vol. 145, no. 7, pp. 3179–3184, 2017.
- E. Lerman (with A. Malkin), “Hamiltonian group actions on symplectic Deligne-Mumford stacks and toric orbifolds,” *Adv. Math.*, vol. 229, no. 2, pp. 984–1000, 2012.
- E. Lerman, “Geometric quantization; a crash course,” in *Mathematical aspects of quantization*, vol. 583 of *Contemp. Math.*, pp. 147–174, Amer. Math. Soc., Providence, RI, 2012.
- E. Lerman (with L. DeVille), “Dynamics on networks of manifolds,” *SIGMA Symmetry Integrability Geom. Methods Appl.*, vol. 11, pp. Paper 022, 21, 2015.
- E. Lerman (with Y. Karshon), “Non-compact symplectic toric manifolds,” *SIGMA Symmetry Integrability Geom. Methods Appl.*, vol. 11, pp. Paper 055, 37, 2015.
- E. Lerman, “Invariant vector fields and groupoids,” *Int. Math. Res. Not. IMRN*, no. 16, pp. 7394–7416, 2015.
- E. Lerman (with L. DeVille), “Modular dynamical systems on networks,” *J. Eur. Math. Soc. (JEMS)*, vol. 17, no. 12, pp. 2977–3013, 2015.
- E. Lerman (with D. Vagner, D. I. Spivak), “Algebras of open dynamical systems on the operad of wiring diagrams,” *Theory Appl. Categ.*, vol. 30, pp. Paper No. 51, 1793–1822, 2015.
- E. Lerman (with B. Collier, S. Wolbert), “Parallel transport on principal bundles over stacks,” *J. Geom. Phys.*, vol. 107, pp. 187–213, 2016.
- S. Li (with D. Landriault, C. Lemieux), “A risk model with varying premiums: its risk management implications,” *Insurance Math. Econom.*, vol. 60, pp. 38–46, 2015.
- S. Li (with B. Li, D. Landriault), “Analysis of a drawdown-based regime-switching Lévy insurance model,” *Insurance Math. Econom.*, vol. 60, pp. 98–107, 2015.

- X. Li, “Bilinear Hilbert transforms along curves I: The monomial case,” *Anal. PDE*, vol. 6, no. 1, pp. 197–220, 2013.
- X. Li (with Y. Hu), “Discrete Fourier restriction associated with KdV equations,” *Anal. PDE*, vol. 6, no. 4, pp. 859–892, 2013.
- X. Li (with Q. Zhou, J. Zhou, M. De Cicco, S. Zhou), “Detecting 3D spatial clustering of particles in nanocomposites based on cross-sectional images,” *Technometrics*, vol. 56, no. 2, pp. 212–224, 2014.
- X. Li (with Y. Hu), “Discrete Fourier restriction associated with Schrödinger equations,” *Rev. Mat. Iberoam.*, vol. 30, no. 4, pp. 1281–1300, 2014.
- X. Li (with Y. Hu), “Local well-posedness of periodic fifth-order KdV-type equations,” *J. Geom. Anal.*, vol. 25, no. 2, pp. 709–739, 2015.
- X. Li, “A simple introduction to Hardy-Littlewood circle method,” in *Lectures on the analysis of nonlinear partial differential equations. Part 4*, vol. 4 of *Morningside Lect. Math.*, pp. 93–113, Int. Press, Somerville, MA, 2016.
- X. Li (with L. Xiao), “Uniform estimates for bilinear Hilbert transforms and bilinear maximal functions associated to polynomials,” *Amer. J. Math.*, vol. 138, no. 4, pp. 907–962, 2016.
- R. McCarthy (with A. Lindenstrauss), “On the Taylor tower of relative K -theory,” *Geom. Topol.*, vol. 16, no. 2, pp. 685–750, 2012.
- R. McCarthy (with A. Lindenstrauss), “On the algebraic K -theory of formal power series,” *J. K-Theory*, vol. 10, no. 1, pp. 165–189, 2012.
- R. McCarthy (with B. Dundas, T. G. Goodwillie), *The local structure of algebraic K -theory*, vol. 18 of *Algebra and Applications*. Springer-Verlag London, Ltd., London, 2013.
- R. McCarthy (with K. Bauer, B. Johnson), “Cross effects and calculus in an unbased setting,” *Trans. Amer. Math. Soc.*, vol. 367, no. 9, pp. 6671–6718, 2015. With an appendix by Rosona Eldred.
- I. Mineyev, “The topology and analysis of the Hanna Neumann conjecture,” *J. Topol. Anal.*, vol. 3, no. 3, pp. 307–376, 2011.
- I. Mineyev, “Submultiplicativity and the Hanna Neumann conjecture,” *Ann. of Math. (2)*, vol. 175, no. 1, pp. 393–414, 2012.
- I. Mineyev, “Groups, graphs, and the Hanna Neumann conjecture,” *J. Topol. Anal.*, vol. 4, no. 1, pp. 1–12, 2012.
- T. A. Nevins (with D. Ben-Zvi), “ D -bundles and integrable hierarchies,” *J. Eur. Math. Soc. (JEMS)*, vol. 13, no. 6, pp. 1505–1567, 2011.
- T. A. Nevins (with S. J. Sierra), “Moduli spaces for point modules on naïve blowups,” *Algebra Number Theory*, vol. 7, no. 4, pp. 795–834, 2013.

- T. A. Nevins (with K. McGerty), “Derived equivalence for quantum symplectic resolutions,” *Selecta Math. (N.S.)*, vol. 20, no. 2, pp. 675–717, 2014.
- T. A. Nevins (with S. J. Sierra), “Naïve blowups and canonical birationally commutative factors,” *Math. Z.*, vol. 280, no. 3-4, pp. 1125–1161, 2015.
- T. A. Nevins (with K. McGerty), “Compatibility of t -structures for quantum symplectic resolutions,” *Duke Math. J.*, vol. 165, no. 13, pp. 2529–2585, 2016.
- J. Pascaleff, “Floer cohomology in the mirror of the projective plane and a binodal cubic curve,” *Duke Math. J.*, vol. 163, no. 13, pp. 2427–2516, 2014.
- J. Pascaleff (with Y. Lekili), “Floer cohomology of g -equivariant Lagrangian branes,” *Compos. Math.*, vol. 152, no. 5, pp. 1071–1110, 2016.
- Z. Rapti (with J. C. Bronski), “Counting defect modes in periodic eigenvalue problems,” *SIAM J. Math. Anal.*, vol. 43, no. 2, pp. 803–827, 2011.
- Z. Rapti (with K. O. Rasmussen, A. R. Bishop), “The transfer integral operator method in the study of DNA unzipping and bubble formation,” *J. Nonlinear Math. Phys.*, vol. 18, no. suppl. 2, pp. 381–396, 2011.
- Z. Rapti (with R. E. L. DeVille, N. Sri Namachchivaya), “Stability of a stochastic two-dimensional non-Hamiltonian system,” *SIAM J. Appl. Math.*, vol. 71, no. 4, pp. 1458–1475, 2011.
- Z. Rapti, “Multibreather stability in discrete Klein-Gordon equations: beyond nearest neighbor interactions,” *Phys. Lett. A*, vol. 377, no. 23-24, pp. 1543–1553, 2013.
- Z. Rapti (with C. E. Cáceres, G. Davis, S. Duple, S. R. Hall, A. Koss, P. Lee), “Complex *daphnia* interactions with parasites and competitors,” *Math. Biosci.*, vol. 258, pp. 148–161, 2014.
- Z. Rapti (with P. G. Kevrekidis, V. Putkaradze), “Non-holonomic constraints and their impact on discretizations of Klein-Gordon lattice dynamical models,” *Discrete Contin. Dyn. Syst.*, no. Dynamical systems, differential equations and applications. 10th AIMS Conference. Suppl., pp. 696–704, 2015.
- Z. Rapti (with C. E. Cáceres), “Effects of intrinsic and extrinsic host mortality on disease spread,” *Bull. Math. Biol.*, vol. 78, no. 2, pp. 235–253, 2016.
- Z. Rapti (with P. Singh, H. C. Yeong, H. Zhang, N. S. Namachchivaya), “Stochastic stability and dynamics of a two-dimensional structurally nonlinear airfoil in turbulent flow,” *Meccanica*, vol. 51, no. 11, pp. 2665–2688, 2016.
- C. Rezk, “Modular isogeny complexes,” *Algebr. Geom. Topol.*, vol. 12, no. 3, pp. 1373–1403, 2012.
- C. Rezk, “A streamlined proof of Goodwillie’s n -excisive approximation,” *Algebr. Geom. Topol.*, vol. 13, no. 2, pp. 1049–1051, 2013.
- C. Rezk (with J. E. Bergner), “Reedy categories and the Θ -construction,” *Math. Z.*, vol. 274, no. 1-2, pp. 499–514, 2013.

- C. Rezk (with J. E. Bergner), “Comparison of models for (∞, n) -categories, I,” *Geom. Topol.*, vol. 17, no. 4, pp. 2163–2202, 2013.
- C. Rezk (with M. Ando, A. J. Blumberg, D. Gepner, M. J. Hopkins), “An ∞ -categorical approach to R -line bundles, R -module Thom spectra, and twisted R -homology,” *J. Topol.*, vol. 7, no. 3, pp. 869–893, 2014.
- C. Rezk (with M. Ando, A. J. Blumberg, D. Gepner, M. J. Hopkins), “Units of ring spectra, orientations and Thom spectra via rigid infinite loop space theory,” *J. Topol.*, vol. 7, no. 4, pp. 1077–1117, 2014.
- C. Rezk (with P. Goerss, H.-W. Henn, M. Mahowald), “On Hopkins’ Picard groups for the prime 3 and chromatic level 2,” *J. Topol.*, vol. 8, no. 1, pp. 267–294, 2015.
- B. Reznick (with M. Castle, V. Powers), “Pólya’s theorem with zeros,” *J. Symbolic Comput.*, vol. 46, no. 9, pp. 1039–1048, 2011.
- B. Reznick (with J. Rouse), “On the sums of two cubes,” *Int. J. Number Theory*, vol. 7, no. 7, pp. 1863–1882, 2011.
- B. Reznick, “Blenders,” in *Notions of positivity and the geometry of polynomials*, Trends Math., pp. 345–373, Birkhäuser/Springer Basel AG, Basel, 2011.
- B. Reznick (with K. Anders, M. Dennison, J. W. Lansing), “Congruence properties of binary partition functions,” *Ann. Comb.*, vol. 17, no. 1, pp. 15–26, 2013.
- B. Reznick, “Some new canonical forms for polynomials,” *Pacific J. Math.*, vol. 266, no. 1, pp. 185–220, 2013.
- B. Reznick, “On the length of binary forms,” in *Quadratic and higher degree forms*, vol. 31 of *Dev. Math.*, pp. 207–232, Springer, New York, 2013.
- B. Reznick (with C. Goel, S. Kuhlmann), “On the Choi-Lam analogue of Hilbert’s 1888 theorem for symmetric forms,” *Linear Algebra Appl.*, vol. 496, pp. 114–120, 2016.
- B. Reznick (with C. Goel, S. Kuhlmann), “The analogue of Hilbert’s 1888 theorem for even symmetric forms,” *J. Pure Appl. Algebra*, vol. 221, no. 6, pp. 1438–1448, 2017.
- Z.-J. Ruan (with Z. Hu, M. Neufang), “Module maps on duals of Banach algebras and topological centre problems,” *J. Funct. Anal.*, vol. 260, no. 4, pp. 1188–1218, 2011.
- Z.-J. Ruan (with Z. Hu, M. Neufang), “Completely bounded multipliers over locally compact quantum groups,” *Proc. Lond. Math. Soc. (3)*, vol. 103, no. 1, pp. 1–39, 2011.
- Z.-J. Ruan (with Z. Dong), “A Hilbert module approach to the Haagerup property,” *Integral Equations Operator Theory*, vol. 73, no. 3, pp. 431–454, 2012.
- Z.-J. Ruan (with Z. Hu, M. Neufang), “Module maps over locally compact quantum groups,” *Studia Math.*, vol. 211, no. 2, pp. 111–145, 2012.
- Z.-J. Ruan (with M. Kalantar, M. Neufang), “Poisson boundaries over locally compact quantum groups,” *Internat. J. Math.*, vol. 24, no. 3, pp. 1350023, 21, 2013.

- Z.-J. Ruan (with Z. Hu, M. Neufang), “Arens irregularity of the trace class convolution algebra,” *Bull. Lond. Math. Soc.*, vol. 45, no. 2, pp. 351–362, 2013.
- Z.-J. Ruan (with Z. Hu, M. Neufang), “Convolution of trace class operators over locally compact quantum groups,” *Canad. J. Math.*, vol. 65, no. 5, pp. 1043–1072, 2013.
- Z.-J. Ruan (with M. Kalantar, M. Neufang), “Realization of quantum group Poisson boundaries as crossed products,” *Bull. Lond. Math. Soc.*, vol. 46, no. 6, pp. 1267–1275, 2014.
- Z.-J. Ruan (with R. Liu), “Cb-frames for operator spaces,” *J. Funct. Anal.*, vol. 270, no. 11, pp. 4280–4296, 2016.
- Z.-J. Ruan (with M. Wiersma), “On exotic group C^* -algebras,” *J. Funct. Anal.*, vol. 271, no. 2, pp. 437–453, 2016.
- H. Schenck (with D. A. Cox, J. B. Little), *Toric varieties*, vol. 124 of *Graduate Studies in Mathematics*. American Mathematical Society, Providence, RI, 2011.
- H. Schenck, “Resonance varieties via blowups of \mathbb{P}^2 and scrolls,” *Int. Math. Res. Not. IMRN*, no. 20, pp. 4756–4778, 2011.
- H. Schenck (with B. Harbourne, A. Seceleanu), “Inverse systems, Gelfand-Tsetlin patterns and the weak Lefschetz property,” *J. Lond. Math. Soc. (2)*, vol. 84, no. 3, pp. 712–730, 2011.
- H. Schenck (with M. Stillman), “High rank linear syzygies on low rank quadrics,” *Amer. J. Math.*, vol. 134, no. 2, pp. 561–579, 2012.
- H. Schenck, “Equivariant Chow cohomology of nonsimplicial toric varieties,” *Trans. Amer. Math. Soc.*, vol. 364, no. 8, pp. 4041–4051, 2012.
- H. Schenck, “Hyperplane arrangements: computations and conjectures,” in *Arrangements of hyperplanes—Sapporo 2009*, vol. 62 of *Adv. Stud. Pure Math.*, pp. 323–358, Math. Soc. Japan, Tokyo, 2012.
- H. Schenck (with T. Bauer, C. Bocci, S. Cooper, S. Di Rocco, M. Dumnicki, B. Harbourne, K. Jabbusch, A. L. Knutsen, A. Küronya, R. Miranda, J. Roé, T. Szemberg, Z. Teitler), “Recent developments and open problems in linear series,” in *Contributions to algebraic geometry*, EMS Ser. Congr. Rep., pp. 93–140, Eur. Math. Soc., Zürich, 2012.
- H. Schenck, “Toric Hirzebruch-Riemann-Roch via Ishida’s theorem on the Todd genus,” *Proc. Amer. Math. Soc.*, vol. 141, no. 4, pp. 1215–1217, 2013.
- H. Schenck (with J. Sidman), “Commutative algebra of subspace and hyperplane arrangements,” in *Commutative algebra*, pp. 639–665, Springer, New York, 2013.
- H. Schenck (with G. Denham, M. Schulze, M. Wakefield, U. Walther), “Local cohomology of logarithmic forms,” *Ann. Inst. Fourier (Grenoble)*, vol. 63, no. 3, pp. 1177–1203, 2013.
- H. Schenck (with A. Seceleanu, J. Validashti), “Syzygies and singularities of tensor product surfaces of bidegree $(2, 1)$,” *Math. Comp.*, vol. 83, no. 287, pp. 1337–1372, 2014.

- H. Schenck, “Splines on the Alfeld split of a simplex and type A root systems,” *J. Approx. Theory*, vol. 182, pp. 1–6, 2014.
- H. Schenck (with C. Irving), “Geometry of Wachspress surfaces,” *Algebra Number Theory*, vol. 8, no. 2, pp. 369–396, 2014.
- H. Schenck (with T. Bogart, C. Haase, M. Hering, B. Lorenz, B. Nill, A. Paffenholz, G. Rote, F. Santos), “Finitely many smooth d -polytopes with n lattice points,” *Israel J. Math.*, vol. 207, no. 1, pp. 301–329, 2015.
- H. Schenck (with D. C. Cohen), “Chen ranks and resonance,” *Adv. Math.*, vol. 285, pp. 1–27, 2015.
- H. Schenck (with E. Duarte), “Tensor product surfaces and linear syzygies,” *Proc. Amer. Math. Soc.*, vol. 144, no. 1, pp. 65–72, 2016.
- H. Schenck, “*Numerically solving polynomial systems with Bertini* [book review of MR3155500],” *Bull. Amer. Math. Soc. (N.S.)*, vol. 53, no. 1, pp. 179–186, 2016.
- H. Schenck (with T. Lyche, T. Sorokina), “Multivariate splines and algebraic geometry [Editorial],” *Comput. Aided Geom. Design*, vol. 45, p. 1, 2016.
- H. Schenck, “Algebraic methods in approximation theory,” *Comput. Aided Geom. Design*, vol. 45, pp. 14–31, 2016.
- H. Schenck (with N. Fieldsteel), “Polynomial interpolation in higher dimension: from simplicial complexes to GC sets,” *SIAM J. Numer. Anal.*, vol. 55, no. 1, pp. 131–143, 2017.
- S. Solecki (with A. Kwiatkowska), “Spatial models of Boolean actions and groups of isometries,” *Ergodic Theory Dynam. Systems*, vol. 31, no. 2, pp. 405–421, 2011.
- S. Solecki (with S. Todorcevic), “Avoiding families and Tukey functions on the nowhere-dense ideal,” *J. Inst. Math. Jussieu*, vol. 10, no. 2, pp. 405–435, 2011.
- S. Solecki, “ G_δ ideals of compact sets,” *J. Eur. Math. Soc. (JEMS)*, vol. 13, no. 4, pp. 853–882, 2011.
- S. Solecki, “Direct Ramsey theorem for structures involving relations and functions,” *J. Combin. Theory Ser. A*, vol. 119, no. 2, pp. 440–449, 2012.
- S. Solecki (with J. T. Moore), “A Boolean action of $C(M, U(1))$ without a spatial model and a re-examination of the Cameron-Martin Theorem,” *J. Funct. Anal.*, vol. 263, no. 10, pp. 3224–3234, 2012.
- S. Solecki, “Abstract approach to Ramsey theory and Ramsey theorems for finite trees,” in *Asymptotic geometric analysis*, vol. 68 of *Fields Inst. Commun.*, pp. 313–340, Springer, New York, 2013.
- S. Solecki (with W. Kubiś), “A proof of uniqueness of the Gurariĭ space,” *Israel J. Math.*, vol. 195, no. 1, pp. 449–456, 2013.
- S. Solecki, “Abstract approach to finite Ramsey theory and a self-dual Ramsey theorem,” *Adv. Math.*, vol. 248, pp. 1156–1198, 2013.

- S. Solecki (with K. Krupiński, A. Pillay), “Borel equivalence relations and Lascar strong types,” *J. Math. Log.*, vol. 13, no. 2, pp. 1350008, 37, 2013.
- S. Solecki, “Closed subgroups generated by generic measure automorphisms,” *Ergodic Theory Dynam. Systems*, vol. 34, no. 3, pp. 1011–1017, 2014.
- S. Solecki, “Unitary representations of the groups of measurable and continuous functions with values in the circle,” *J. Funct. Anal.*, vol. 267, no. 9, pp. 3105–3124, 2014.
- S. Solecki, “Tukey reduction among analytic directed orders,” *Zb. Rad. (Beogr.)*, vol. 17(25), no. Selected topics in combinatorial analysis, pp. 209–220, 2015.
- S. Solecki (with A. Nies), “Local compactness for computable Polish metric spaces is Π_1^1 -complete,” in *Evolving computability*, vol. 9136 of *Lecture Notes in Comput. Sci.*, pp. 286–290, Springer, Cham, 2015.
- S. Solecki, “A theorem of Nash-Williams as a principle of induction,” *Wiad. Mat.*, vol. 51, no. 1, pp. 1–5, 2015.
- S. Solecki (with A. Avilés, V. Kadets, A. Pérez), “Baire theorem for ideals of sets,” *J. Math. Anal. Appl.*, vol. 445, no. 2, pp. 1221–1231, 2017.
- S. Solecki (with M. Zhao), “A Ramsey theorem for partial orders with linear extensions,” *European J. Combin.*, vol. 60, pp. 21–30, 2017.
- R. Song (with Z.-Q. Chen, P. Kim), “Green function estimates for relativistic stable processes in half-space-like open sets,” *Stochastic Process. Appl.*, vol. 121, no. 5, pp. 1148–1172, 2011.
- R. Song (with R.-L. Liu, Y.-X. Ren), “ $L \log L$ condition for supercritical branching Hunt processes,” *J. Theoret. Probab.*, vol. 24, no. 1, pp. 170–193, 2011.
- R. Song (with Z.-Q. Chen, P. Kim), “Heat kernel estimates for $\Delta + \Delta^{\alpha/2}$ in $C^{1,1}$ open sets,” *J. Lond. Math. Soc. (2)*, vol. 84, no. 1, pp. 58–80, 2011.
- R. Song (with P. Kim, Z. Vondraček), “On harmonic functions for trace processes,” *Math. Nachr.*, vol. 284, no. 14–15, pp. 1889–1902, 2011.
- R. Song (with A. Chen, L. Feng), “On the monitoring error of the supremum of a normal jump diffusion process,” *J. Appl. Probab.*, vol. 48, no. 4, pp. 1021–1034, 2011.
- R. Song (with L. Bo, D. Tang, Y. Wang, X. Yang), “Lévy risk model with two-sided jumps and a barrier dividend strategy,” *Insurance Math. Econom.*, vol. 50, no. 2, pp. 280–291, 2012.
- R. Song (with Z.-Q. Chen, P. Kim), “Global heat kernel estimates for relativistic stable processes in half-space-like open sets,” *Potential Anal.*, vol. 36, no. 2, pp. 235–261, 2012.
- R. Song (with Z.-Q. Chen, P. Kim, Z. Vondraček), “Boundary Harnack principle for $\Delta + \Delta^{\alpha/2}$,” *Trans. Amer. Math. Soc.*, vol. 364, no. 8, pp. 4169–4205, 2012.
- R. Song (with Z.-Q. Chen, P. Kim), “Global heat kernel estimates for $\Delta + \Delta^{\alpha/2}$ in half-space-like domains,” *Electron. J. Probab.*, vol. 17, pp. no. 32, 32, 2012.

- R. Song (with Z.-Q. Chen, P. Kim), “Sharp heat kernel estimates for relativistic stable processes in open sets,” *Ann. Probab.*, vol. 40, no. 1, pp. 213–244, 2012.
- R. Song (with Z.-Q. Chen, P. Kim), “Global heat kernel estimate for relativistic stable processes in exterior open sets,” *J. Funct. Anal.*, vol. 263, no. 2, pp. 448–475, 2012.
- R. Song (with P. Kim, Z. Vondraček), “Two-sided Green function estimates for killed subordinate Brownian motions,” *Proc. Lond. Math. Soc. (3)*, vol. 104, no. 5, pp. 927–958, 2012.
- R. Song (with R. L. Schilling, Z. Vondraček), *Bernstein functions*, vol. 37 of *De Gruyter Studies in Mathematics*. Walter de Gruyter & Co., Berlin, second ed., 2012. Theory and applications.
- R. Song (with P. Kim, Z. Vondraček), “Potential theory of subordinate Brownian motions revisited,” in *Stochastic analysis and applications to finance*, vol. 13 of *Interdiscip. Math. Sci.*, pp. 243–290, World Sci. Publ., Hackensack, NJ, 2012.
- R. Song (with P. Kim, Z. Vondraček), “Uniform boundary Harnack principle for rotationally symmetric Lévy processes in general open sets,” *Sci. China Math.*, vol. 55, no. 11, pp. 2317–2333, 2012.
- R. Song (with P. Kim, Z. Vondraček), “Minimal thinness for subordinate Brownian motion in half-space,” *Ann. Inst. Fourier (Grenoble)*, vol. 62, no. 3, pp. 1045–1080, 2012.
- R. Song (with Z.-Q. Chen, P. Kim), “Dirichlet heat kernel estimates for fractional Laplacian with gradient perturbation,” *Ann. Probab.*, vol. 40, no. 6, pp. 2483–2538, 2012.
- R. Song (with P. Kim, Z. Vondraček), “Potential theory of subordinate Brownian motions with Gaussian components,” *Stochastic Process. Appl.*, vol. 123, no. 3, pp. 764–795, 2013.
- R. Song (with R.-L. Liu, Y.-X. Ren), “Strong law of large numbers for a class of superdiffusions,” *Acta Appl. Math.*, vol. 123, pp. 73–97, 2013.
- R. Song (with P. Kim, H. Park), “Sharp estimates on the Green functions of perturbations of subordinate Brownian motions in bounded κ -fat open sets,” *Potential Anal.*, vol. 38, no. 1, pp. 319–344, 2013.
- R. Song (with L. Bo, D. Tang, Y. Wang, X. Yang), “Erratum to “Lévy risk model with two-sided jumps and a barrier dividend strategy” [Insurance Math. Econom. 50(2) (2012) 280–291] [mr2880498],” *Insurance Math. Econom.*, vol. 52, no. 1, pp. 124–125, 2013.
- R. Song (with P. Kim, Z. Vondraček), “Global uniform boundary Harnack principle with explicit decay rate and its application,” *Stochastic Process. Appl.*, vol. 124, no. 1, pp. 235–267, 2014.
- R. Song (with Y.-X. Ren, R. Zhang), “Central limit theorems for supercritical branching Markov processes,” *J. Funct. Anal.*, vol. 266, no. 3, pp. 1716–1756, 2014.
- R. Song (with Y.-X. Ren, R. Zhang), “Central limit theorems for super Ornstein-Uhlenbeck processes,” *Acta Appl. Math.*, vol. 130, pp. 9–49, 2014.
- R. Song (with P. Kim), “Stable process with singular drift,” *Stochastic Process. Appl.*, vol. 124, no. 7, pp. 2479–2516, 2014.

- R. Song (with T. Gao, J. Duan, X. Li), “Mean exit time and escape probability for dynamical systems driven by Lévy noises,” *SIAM J. Sci. Comput.*, vol. 36, no. 3, pp. A887–A906, 2014.
- R. Song (with P. Kim, Z. Vondraček), “Boundary Harnack principle and Martin boundary at infinity for subordinate Brownian motions,” *Potential Anal.*, vol. 41, no. 2, pp. 407–441, 2014.
- R. Song (with P. Kim), “Dirichlet heat kernel estimates for stable processes with singular drift in unbounded $C^{1,1}$ open sets,” *Potential Anal.*, vol. 41, no. 2, pp. 555–581, 2014.
- R. Song (with Z.-Q. Chen, P. Kim), “Dirichlet heat kernel estimates for rotationally symmetric Lévy processes,” *Proc. Lond. Math. Soc. (3)*, vol. 109, no. 1, pp. 90–120, 2014.
- R. Song (with M. Hao, J. Duan, W. Xu), “Asymmetric non-Gaussian effects in a tumor growth model with immunization,” *Appl. Math. Model.*, vol. 38, no. 17-18, pp. 4428–4444, 2014.
- R. Song (with J. Zhang, S. Li), “Quasi-stationarity and quasi-ergodicity of general Markov processes,” *Sci. China Math.*, vol. 57, no. 10, pp. 2013–2024, 2014.
- R. Song (with H. Park), “Trace estimates for relativistic stable processes,” *Potential Anal.*, vol. 41, no. 4, pp. 1273–1291, 2014.
- R. Song (with Y.-X. Ren, R. Zhang), “Central limit theorems for supercritical superprocesses,” *Stochastic Process. Appl.*, vol. 125, no. 2, pp. 428–457, 2015.
- R. Song (with Z.-Q. Chen, P. Kim), “Stability of Dirichlet heat kernel estimates for non-local operators under Feynman-Kac perturbation,” *Trans. Amer. Math. Soc.*, vol. 367, no. 7, pp. 5237–5270, 2015.
- R. Song (with Z.-Q. Chen, Y.-X. Ren, R. Zhang), “Strong law of large numbers for supercritical superprocesses under second moment condition,” *Front. Math. China*, vol. 10, no. 4, pp. 807–838, 2015.
- R. Song (with P. Kim, Z. Vondraček), “Martin boundary for some symmetric Lévy processes,” in *Festschrift Masatoshi Fukushima*, vol. 17 of *Interdiscip. Math. Sci.*, pp. 307–342, World Sci. Publ., Hackensack, NJ, 2015.
- R. Song (with Y.-X. Ren, R. Zhang), “Limit theorems for some critical superprocesses,” *Illinois J. Math.*, vol. 59, no. 1, pp. 235–276, 2015.
- R. Song (with J. Engländer, Y.-X. Ren), “Weak extinction versus global exponential growth of total mass for superdiffusions,” *Ann. Inst. Henri Poincaré Probab. Stat.*, vol. 52, no. 1, pp. 448–482, 2016.
- R. Song (with Z.-Q. Chen, P. Kim), “Dirichlet heat kernel estimates for subordinate Brownian motions with Gaussian components,” *J. Reine Angew. Math.*, vol. 711, pp. 111–138, 2016.
- R. Song (with P. Kim, Z. Vondraček), “Minimal thinness with respect to subordinate killed Brownian motions,” *Stochastic Process. Appl.*, vol. 126, no. 4, pp. 1226–1263, 2016.
- R. Song (with P. Kim, Z. Vondraček), “Minimal thinness with respect to symmetric Lévy processes,” *Trans. Amer. Math. Soc.*, vol. 368, no. 12, pp. 8785–8822, 2016.

- R. Song (with P. Kim, Z. Vondraček), “Martin boundary of unbounded sets for purely discontinuous Feller processes,” *Forum Math.*, vol. 28, no. 6, pp. 1067–1085, 2016.
- R. Song (with Y.-X. Ren, R. Zhang), “Functional central limit theorems for supercritical superprocesses,” *Acta Appl. Math.*, vol. 147, pp. 137–175, 2017.
- R. Song (with Y.-X. Ren, R. Zhang), “Central limit theorems for supercritical branching nonsymmetric Markov processes,” *Ann. Probab.*, vol. 45, no. 1, pp. 564–623, 2017.
- R. B. Sowers (with K. Spiliopoulos), “Recovery rates in investment-grade pools of credit assets: a large deviations analysis,” *Stochastic Process. Appl.*, vol. 121, no. 12, pp. 2861–2898, 2011.
- R. B. Sowers (with J. H. Park, B. Rozovskii), “Efficient nonlinear filtering of a singularly perturbed stochastic hybrid system,” *LMS J. Comput. Math.*, vol. 14, pp. 254–270, 2011.
- R. B. Sowers (with K. Kim, Z. Zheng), “A stochastic Stefan problem,” *J. Theoret. Probab.*, vol. 25, no. 4, pp. 1040–1080, 2012.
- R. B. Sowers (with K. Kim), “Numerical analysis of the stochastic moving boundary problem,” *Stoch. Anal. Appl.*, vol. 30, no. 6, pp. 963–996, 2012.
- R. B. Sowers (with K. Giesecke, K. Spiliopoulos), “Default clustering in large portfolios: typical events,” *Ann. Appl. Probab.*, vol. 23, no. 1, pp. 348–385, 2013.
- R. B. Sowers (with A. Kirilenko, X. Meng), “A multiscale model of high-frequency trading,” *Algorithmic Finance*, vol. 2, no. 1, pp. 59–98, 2013.
- R. B. Sowers (with U. V. Ravat, U. V. Shanbhag), “On the inadequacy of VaR-based risk management: VaR, CVaR, and nonlinear interactions,” *Optim. Methods Softw.*, vol. 29, no. 4, pp. 877–897, 2014.
- R. B. Sowers (with R. Song, J. Jones), “The topology of central counterparty clearing networks and network stability,” *Stoch. Models*, vol. 30, no. 1, pp. 16–47, 2014.
- R. B. Sowers (with X. Li, M. D. Lipkin), “Dynamics of bankrupt stocks,” *SIAM J. Financial Math.*, vol. 5, no. 1, pp. 232–257, 2014.
- R. B. Sowers (with K. Giesecke, K. Spiliopoulos, J. A. Sirignano), “Large portfolio asymptotics for loss from default,” *Math. Finance*, vol. 25, no. 1, pp. 77–114, 2015.
- R. B. Sowers (with K. Spiliopoulos), “Default clustering in large pools: large deviations,” *SIAM J. Financial Math.*, vol. 6, no. 1, pp. 86–116, 2015.
- V. Stojanoska, “Duality for topological modular forms,” *Doc. Math.*, vol. 17, pp. 271–311, 2012.
- V. Stojanoska, “Calculating descent for 2-primary topological modular forms,” in *An alpine expedition through algebraic topology*, vol. 617 of *Contemp. Math.*, pp. 241–258, Amer. Math. Soc., Providence, RI, 2014.
- V. Stojanoska (with D. Heard), “K-theory, reality, and duality,” *J. K-Theory*, vol. 14, no. 3, pp. 526–555, 2014.

- V. Stojanoska (with J. E. Bergner, R. Joachimi, K. Lesh, K. Wickelgren), “Fixed points of p -toral groups acting on partition complexes,” in *Women in topology: collaborations in homotopy theory*, vol. 641 of *Contemp. Math.*, pp. 83–96, Amer. Math. Soc., Providence, RI, 2015.
- V. Stojanoska (with A. Mathew), “Fibers of partial totalizations of a pointed cosimplicial space,” *Proc. Amer. Math. Soc.*, vol. 144, no. 1, pp. 445–458, 2016.
- V. Stojanoska (with A. Mathew), “The Picard group of topological modular forms via descent theory,” *Geom. Topol.*, vol. 20, no. 6, pp. 3133–3217, 2016.
- V. Stojanoska (with R. Davis, R. Pries, K. Wickelgren), “Galois action on the homology of Fermat curves,” in *Directions in number theory*, vol. 3 of *Assoc. Women Math. Ser.*, pp. 57–86, Springer, [Cham], 2016.
- S. Tolman (with A. Pelayo), “Fixed points of symplectic periodic flows,” *Ergodic Theory Dynam. Systems*, vol. 31, no. 4, pp. 1237–1247, 2011.
- S. Tolman (with C. R. Lee), “Toric integrable geodesic flows in odd dimensions,” *Math. Res. Lett.*, vol. 18, no. 5, pp. 1013–1022, 2011.
- S. Tolman (with H. Li), “Hamiltonian circle actions with minimal fixed sets,” *Internat. J. Math.*, vol. 23, no. 8, pp. 1250071, 36, 2012.
- S. Tolman (with S. Sabatini), “New techniques for obtaining Schubert-type formulas for Hamiltonian manifolds,” *J. Symplectic Geom.*, vol. 11, no. 2, pp. 179–230, 2013.
- S. Tolman (with D. McDuff), “Polytopes with mass linear functions II: The four-dimensional case,” *Int. Math. Res. Not. IMRN*, no. 15, pp. 3509–3599, 2013.
- S. Tolman (with Y. Karshon), “Classification of Hamiltonian torus actions with two-dimensional quotients,” *Geom. Topol.*, vol. 18, no. 2, pp. 669–716, 2014.
- A. Tserunyan, “Finite generators for countable group actions in the Borel and Baire category settings,” *Adv. Math.*, vol. 269, pp. 585–646, 2015.
- A. Tserunyan, “A Ramsey theorem on semigroups and a general van der Corput lemma,” *J. Symb. Log.*, vol. 81, no. 2, pp. 718–741, 2016.
- A. Tumanov (with A. Sukhov), “Regularization of almost complex structures and gluing holomorphic discs to tori,” *Ann. Sc. Norm. Super. Pisa Cl. Sci. (5)*, vol. 10, no. 2, pp. 389–411, 2011.
- A. Tumanov (with A. Sukhov), “Deformations and transversality of pseudo-holomorphic discs,” *J. Anal. Math.*, vol. 116, pp. 1–16, 2012.
- A. Tumanov (with A. Sukhov), “Hartogs figure and symplectic non-squeezing,” *Illinois J. Math.*, vol. 56, no. 1, pp. 221–233 (2013), 2012.
- A. Tumanov (with A. Sukhov), “Gluing complex discs to Lagrangian manifolds by Gromov’s method,” *Ann. Fac. Sci. Toulouse Math. (6)*, vol. 22, no. 4, pp. 811–842, 2013.

- A. Tumanov (with A. Sukhov), “Boundary value problems and J -complex curves,” *Complex Var. Elliptic Equ.*, vol. 58, no. 11, pp. 1549–1557, 2013.
- A. Tumanov, “Minimal biquadratic energy of five particles on a 2-sphere,” *Indiana Univ. Math. J.*, vol. 62, no. 6, pp. 1717–1731, 2013.
- A. Tumanov (with A. Sukhov), “Gromov’s non-squeezing theorem and Beltrami type equation,” *Comm. Partial Differential Equations*, vol. 39, no. 10, pp. 1898–1905, 2014.
- A. Tumanov (with A. Sukhov), “Pseudoholomorphic discs and symplectic structures in Hilbert space,” in *Topics in several complex variables*, vol. 662 of *Contemp. Math.*, pp. 23–49, Amer. Math. Soc., Providence, RI, 2016.
- A. Tumanov, “Commutators of singular integrals, the Bergman projection, and boundary regularity of elliptic equations in the plane,” *Math. Res. Lett.*, vol. 23, no. 4, pp. 1221–1246, 2016.
- A. Tumanov (with A. Sukhov), “Symplectic nonsqueezing in Hilbert space and discrete Schrödinger equations,” *J. Fixed Point Theory Appl.*, vol. 18, no. 4, pp. 867–888, 2016.
- J. T. Tyson (with E. Durand-Cartagena), “Rectifiable curves in Sierpiński carpets,” *Indiana Univ. Math. J.*, vol. 60, no. 1, pp. 285–309, 2011.
- J. T. Tyson (with N. Garofalo), “Riesz potentials and p -superharmonic functions in Lie groups of Heisenberg type,” *Bull. Lond. Math. Soc.*, vol. 44, no. 2, pp. 353–366, 2012.
- J. T. Tyson (with Z. M. Balogh, K. Fässler, P. Mattila), “Projection and slicing theorems in Heisenberg groups,” *Adv. Math.*, vol. 231, no. 2, pp. 569–604, 2012.
- J. T. Tyson (with S. Bradlow, P. Ebenfelt, D. Varolin), “Foreword [In honor of the 60th birthday of John D’Angelo],” *Illinois J. Math.*, vol. 56, no. 1, pp. iii–iv (2013), 2012.
- J. T. Tyson (with Z. M. Balogh, R. Monti), “Frequency of Sobolev and quasiconformal dimension distortion,” *J. Math. Pures Appl. (9)*, vol. 99, no. 2, pp. 125–149, 2013.
- J. T. Tyson (with Z. M. Balogh, E. Durand-Cartagena, K. Fässler, P. Mattila), “The effect of projections on dimension in the Heisenberg group,” *Rev. Mat. Iberoam.*, vol. 29, no. 2, pp. 381–432, 2013.
- J. T. Tyson (with J. M. Mackay, K. Wildrick), “Modulus and Poincaré inequalities on non-self-similar Sierpiński carpets,” *Geom. Funct. Anal.*, vol. 23, no. 3, pp. 985–1034, 2013.
- J. T. Tyson (with A. Isopoussu, K. Peltonen), “Quasiregular maps and the conductivity equation in the Heisenberg group,” in *In the tradition of Ahlfors-Bers. VI*, vol. 590 of *Contemp. Math.*, pp. 61–75, Amer. Math. Soc., Providence, RI, 2013.
- J. T. Tyson (with Z. M. Balogh, K. Wildrick), “Dimension distortion by Sobolev mappings in foliated metric spaces,” *Anal. Geom. Metr. Spaces*, vol. 1, pp. 232–254, 2013.
- J. T. Tyson (with E. Durand-Cartagena), “Erratum to: Rectifiable curves in Sierpiński carpets, Volume 60:1 (2011), 285–309 [mr2952419],” *Indiana Univ. Math. J.*, vol. 62, no. 1, pp. 355–356, 2013.

- J. T. Tyson (with P. Hajłasz, A. Schikorra), “Homotopy groups of spheres and Lipschitz homotopy groups of Heisenberg groups,” *Geom. Funct. Anal.*, vol. 24, no. 1, pp. 245–268, 2014.
- J. T. Tyson (with N. DeJarnette, P. Hajłasz, A. Lukyanenko), “On the lack of density of Lipschitz mappings in Sobolev spaces with Heisenberg target,” *Conform. Geom. Dyn.*, vol. 18, pp. 119–156, 2014.
- J. T. Tyson (with Z. M. Balogh, P. Mattila), “Grassmannian frequency of Sobolev dimension distortion,” *Comput. Methods Funct. Theory*, vol. 14, no. 2-3, pp. 505–523, 2014.
- J. T. Tyson (with V. Magnani, D. Vittone), “On transversal submanifolds and their measure,” *J. Anal. Math.*, vol. 125, pp. 319–351, 2015.
- J. T. Tyson (with V. Chousionis, V. Magnani), “Removable sets for Lipschitz harmonic functions on Carnot groups,” *Calc. Var. Partial Differential Equations*, vol. 53, no. 3-4, pp. 755–780, 2015.
- J. T. Tyson (with J. Heinonen, P. Koskela, N. Shanmugalingam), *Sobolev spaces on metric measure spaces*, vol. 27 of *New Mathematical Monographs*. Cambridge University Press, Cambridge, 2015. An approach based on upper gradients.
- J. T. Tyson (with V. Chousionis), “Marstrand’s density theorem in the Heisenberg group,” *Bull. Lond. Math. Soc.*, vol. 47, no. 5, pp. 771–788, 2015.
- J. T. Tyson (with V. Chousionis), “Removable sets for homogeneous linear partial differential equations in Carnot groups,” *J. Anal. Math.*, vol. 128, pp. 215–238, 2016.
- N. Tzirakis (with D. De Silva, N. Pavlović, G. Staffilani), “Correction to “Global well-posedness and polynomial bounds for the defocusing L^2 -critical nonlinear Schrödinger equation in \mathbb{R} ” [mr2450163],” *Comm. Partial Differential Equations*, vol. 36, no. 2, pp. 293–303, 2011.
- N. Tzirakis (with M. B. Erdoğan, V. Zharnitsky), “Nearly linear dynamics of nonlinear dispersive waves,” *Phys. D*, vol. 240, no. 17, pp. 1325–1333, 2011.
- N. Tzirakis (with T. Chen, N. Pavlović), “Multilinear Morawetz identities for the Gross-Pitaevskii hierarchy,” in *Recent advances in harmonic analysis and partial differential equations*, vol. 581 of *Contemp. Math.*, pp. 39–62, Amer. Math. Soc., Providence, RI, 2012.
- N. Tzirakis (with M. B. Erdoğan, V. Zharnitsky), “High frequency perturbation of cnoidal waves in KdV,” *SIAM J. Math. Anal.*, vol. 44, no. 6, pp. 4147–4164, 2012.
- N. Tzirakis (with M. B. Erdoğan), “Long time dynamics for forced and weakly damped KdV on the torus,” *Commun. Pure Appl. Anal.*, vol. 12, no. 6, pp. 2669–2684, 2013.
- N. Tzirakis (with B. Erdoğan), “Smoothing and global attractors for the Zakharov system on the torus,” *Anal. PDE*, vol. 6, no. 3, pp. 723–750, 2013.
- N. Tzirakis (with M. B. Erdoğan), “Global smoothing for the periodic KdV evolution,” *Int. Math. Res. Not. IMRN*, no. 20, pp. 4589–4614, 2013.
- N. Tzirakis (with M. B. Erdoğan), “Talbot effect for the cubic non-linear Schrödinger equation on the torus,” *Math. Res. Lett.*, vol. 20, no. 6, pp. 1081–1090, 2013.

- N. Tzirakis (with V. Chousionis, M. B. Erdoğan), “Fractal solutions of linear and nonlinear dispersive partial differential equations,” *Proc. Lond. Math. Soc. (3)*, vol. 110, no. 3, pp. 543–564, 2015.
- N. Tzirakis (with M. B. Erdoğan, J. L. Marzuola, K. Newhall), “The structure of global attractors for dissipative Zakharov systems with forcing on the torus,” *SIAM J. Appl. Dyn. Syst.*, vol. 14, no. 4, pp. 1978–1990, 2015.
- N. Tzirakis (with S. Demirbas, M. B. Erdoğan), “Existence and uniqueness theory for the fractional Schrödinger equation on the torus,” in *Some topics in harmonic analysis and applications*, vol. 34 of *Adv. Lect. Math. (ALM)*, pp. 145–162, Int. Press, Somerville, MA, 2016.
- N. Tzirakis (with M. B. Erdoğan), “Regularity properties of the cubic nonlinear Schrödinger equation on the half line,” *J. Funct. Anal.*, vol. 271, no. 9, pp. 2539–2568, 2016.
- N. Tzirakis (with M. B. Erdoğan), *Dispersive partial differential equations*, vol. 86 of *London Mathematical Society Student Texts*. Cambridge University Press, Cambridge, 2016. Wellposedness and applications.
- N. Tzirakis (with E. Compaan), “Well-posedness and nonlinear smoothing for the “good” Boussinesq equation on the half-line,” *J. Differential Equations*, vol. 262, no. 12, pp. 5824–5859, 2017.
- L. van den Dries (with S. Azgin), “Elementary theory of valued fields with a valuation-preserving automorphism,” *J. Inst. Math. Jussieu*, vol. 10, no. 1, pp. 1–35, 2011.
- L. van den Dries (with V. C. Lopes), “Invariant measures on groups satisfying various chain conditions,” *J. Symbolic Logic*, vol. 76, no. 1, pp. 209–226, 2011.
- L. van den Dries (with A. Günaydin), “Erratum to ‘Mann pairs’ [mr2584604],” *Trans. Amer. Math. Soc.*, vol. 363, no. 9, p. 5057, 2011.
- L. van den Dries (with A. Günaydin), “Definable sets in Mann pairs,” *Comm. Algebra*, vol. 39, no. 8, pp. 2752–2763, 2011.
- L. van den Dries (with I. Goldbring), “Erratum to “Globalizing locally compact local groups” [mr2743102],” *J. Lie Theory*, vol. 22, no. 2, pp. 489–490, 2012.
- L. van den Dries (with M. Aschenbrenner), “Toward a model theory for transseries,” *Notre Dame J. Form. Log.*, vol. 54, no. 3-4, pp. 279–310, 2013.
- L. van den Dries (with J. Koenigsmann, H. D. Macpherson, A. Pillay, C. Toffalori, A. J. Wilkie), *Model theory in algebra, analysis and arithmetic*, vol. 2111 of *Lecture Notes in Mathematics*. Springer, Heidelberg; Centro Internazionale Matematico Estivo (C.I.M.E.), Florence, 2014. Papers from the Centro Internazionale Matematico Estivo (C.I.M.E.) Course held in Cetraro, 2012, Edited by Macpherson and Toffalori, Fondazione CIME/CIME Foundation Subseries.
- L. van den Dries, “Truncation in Hahn fields,” in *Valuation theory in interaction*, EMS Ser. Congr. Rep., pp. 579–595, Eur. Math. Soc., Zürich, 2014.

- L. van den Dries, “Lectures on the model theory of valued fields,” in *Model theory in algebra, analysis and arithmetic*, vol. 2111 of *Lecture Notes in Math.*, pp. 55–157, Springer, Heidelberg, 2014.
- L. van den Dries, “Approximate groups [according to Hrushovski and Breuillard, Green, Tao],” *Astérisque*, no. 367-368, pp. Exp. No. 1077, vii, 79–113, 2015.
- L. van den Dries (with I. Goldbring), “Hilbert’s 5th problem,” *Enseign. Math.*, vol. 61, no. 1-2, pp. 3–43, 2015.
- J.-M. Wu (with R. Kangaslampi, K. Peltonen), “Uniformly quasiregular maps with toroidal Julia sets,” *Conform. Geom. Dyn.*, vol. 16, pp. 81–88, 2012.
- J.-M. Wu (with V. Vellis), “Sets of constant distance from a Jordan curve,” *Ann. Acad. Sci. Fenn. Math.*, vol. 39, no. 1, pp. 211–230, 2014.
- J.-M. Wu (with P. Pankka), “Geometry and quasisymmetric parametrization of Semmes spaces,” *Rev. Mat. Iberoam.*, vol. 30, no. 3, pp. 893–960, 2014.
- J.-M. Wu (with P. Pankka, K. Rajala), “Quasiregular ellipticity of open and generalized manifolds,” *Comput. Methods Funct. Theory*, vol. 14, no. 2-3, pp. 383–398, 2014.
- J.-M. Wu (with A. Fletcher), “Julia sets and wild Cantor sets,” *Geom. Dedicata*, vol. 174, pp. 169–176, 2015.
- J.-M. Wu, “Bilipschitz embedding of Grushin plane in \mathbb{R}^3 ,” *Ann. Sc. Norm. Super. Pisa Cl. Sci. (5)*, vol. 14, no. 2, pp. 633–644, 2015.
- J.-M. Wu, “Geometry of Grushin spaces,” *Illinois J. Math.*, vol. 59, no. 1, pp. 21–41, 2015.
- J.-M. Wu (with V. Vellis), “Quasisymmetric spheres over Jordan domains,” *Trans. Amer. Math. Soc.*, vol. 368, no. 8, pp. 5727–5751, 2016.
- A. Yong (with V. Reiner, A. Woo), “Presenting the cohomology of a Schubert variety,” *Trans. Amer. Math. Soc.*, vol. 363, no. 1, pp. 521–543, 2011.
- A. Yong (with H. Thomas), “Longest increasing subsequences, Plancherel-type measure and the Hecke insertion algorithm,” *Adv. in Appl. Math.*, vol. 46, no. 1-4, pp. 610–642, 2011.
- A. Yong (with H. Thomas), “The direct sum map on Grassmannians and jeu de taquin for increasing tableaux,” *Int. Math. Res. Not. IMRN*, no. 12, pp. 2766–2793, 2011.
- A. Yong (with L. Li), “Kazhdan-Lusztig polynomials and drift configurations,” *Algebra Number Theory*, vol. 5, no. 5, pp. 595–626, 2011.
- A. Yong (with L. Li), “Some degenerations of Kazhdan-Lusztig ideals and multiplicities of Schubert varieties,” *Adv. Math.*, vol. 229, no. 1, pp. 633–667, 2012.
- A. Yong (with A. Woo), “A Gröbner basis for Kazhdan-Lusztig ideals,” *Amer. J. Math.*, vol. 134, no. 4, pp. 1089–1137, 2012.

- A. Yong (with E. Insko), “Patch ideals and Peterson varieties,” *Transform. Groups*, vol. 17, no. 4, pp. 1011–1036, 2012.
- A. Yong (with D. Searles), “Root-theoretic Young diagrams, Schubert calculus and adjoint varieties,” in *25th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2013)*, Discrete Math. Theor. Comput. Sci. Proc., AS, pp. 493–502, Assoc. Discrete Math. Theor. Comput. Sci., Nancy, 2013.
- A. Yong (with D. Anderson, E. Richmond), “Eigenvalues of Hermitian matrices and equivariant cohomology of Grassmannians,” *Compos. Math.*, vol. 149, no. 9, pp. 1569–1582, 2013.
- A. Yong (with A. Knutson, A. Woo), “Singularities of Richardson varieties,” *Math. Res. Lett.*, vol. 20, no. 2, pp. 391–400, 2013.
- A. Yong (with E. Clifford, H. Thomas), “ K -theoretic Schubert calculus for $OG(n, 2n + 1)$ and jeu de taquin for shifted increasing tableaux,” *J. Reine Angew. Math.*, vol. 690, pp. 51–63, 2014.
- A. Yong, “Critique of Hirsch’s citation index: a combinatorial Fermi problem,” *Notices Amer. Math. Soc.*, vol. 61, no. 9, pp. 1040–1050, 2014.
- A. Yong (with B. J. Wyser), “Polynomials for $GL_p \times GL_q$ orbit closures in the flag variety,” *Selecta Math. (N.S.)*, vol. 20, no. 4, pp. 1083–1110, 2014.
- A. Yong (with C. Ross), “Combinatorial rules for three bases of polynomials,” *Sém. Lothar. Combin.*, vol. 74, pp. Art. B74a, 11, 2015.
- A. Yong (with O. Pechenik), “Genomic tableaux and combinatorial K -theory,” in *Proceedings of FPSAC 2015*, Discrete Math. Theor. Comput. Sci. Proc., pp. 37–48, Assoc. Discrete Math. Theor. Comput. Sci., Nancy, 2015.
- A. Yong (with D. Searles), “Root-theoretic Young diagrams and Schubert calculus: planarity and the adjoint varieties,” *J. Algebra*, vol. 448, pp. 238–293, 2016.
- A. Yong (with O. Pechenik), “Genomic tableaux,” *J. Algebraic Combin.*, vol. 45, no. 3, pp. 649–685, 2017.
- A. Yong (with O. Pechenik), “Equivariant K -theory of Grassmannians II: the Knutson-Vakil conjecture,” *Compos. Math.*, vol. 153, no. 4, pp. 667–677, 2017.
- A. Zaharescu (with K.-H. Mak), “The distribution of values of short hybrid exponential sums on curves over finite fields,” *Math. Res. Lett.*, vol. 18, no. 1, pp. 155–174, 2011.
- A. Zaharescu (with M. Caragiu, M. Zaki), “On Ducci sequences with algebraic numbers,” *Fibonacci Quart.*, vol. 49, no. 1, pp. 34–40, 2011.
- A. Zaharescu (with M. Xiong), “Correlation of fractions with divisibility constraints,” *Math. Nachr.*, vol. 284, no. 2-3, pp. 393–407, 2011.
- A. Zaharescu (with Y. Lamzouri, M. T. Phaovibul), “On the distribution of the partial sum of Euler’s totient function in residue classes,” *Colloq. Math.*, vol. 123, no. 1, pp. 115–127, 2011.

- A. Zaharescu (with A. I. Bonciocat, N. C. Bonciocat), “On the irreducibility of polynomials that take a prime power value,” *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, vol. 54(102), no. 1, pp. 41–54, 2011.
- A. Zaharescu (with A. I. Bonciocat, N. C. Bonciocat), “Bounds for the multiplicities of the irreducible factors of a multivariate polynomial,” *Comm. Algebra*, vol. 39, no. 3, pp. 1131–1138, 2011.
- A. Zaharescu (with M.-T. Tsai), “On the action of permutations on distances between values of rational functions mod p ,” *Finite Fields Appl.*, vol. 17, no. 5, pp. 481–487, 2011.
- A. Zaharescu (with A. I. Bonciocat, N. C. Bonciocat), “Bounds for the multiplicities of the roots of a complex polynomial,” *Proc. Edinb. Math. Soc. (2)*, vol. 54, no. 3, pp. 587–598, 2011.
- A. Zaharescu (with N. C. Bonciocat), “Irreducible multivariate polynomials obtained from polynomials in fewer variables, II,” *Proc. Indian Acad. Sci. Math. Sci.*, vol. 121, no. 2, pp. 133–141, 2011.
- A. Zaharescu (with M. Xiong), “ k -full integers between successive k -th powers,” *Indag. Math. (N.S.)*, vol. 22, no. 1-2, pp. 77–86, 2011.
- A. Zaharescu (with A. Ledoan), “Explicit formulas for the pair correlation of vertical shifts of zeros of the Riemann zeta-function,” *Comment. Math. Univ. St. Pauli*, vol. 60, no. 1-2, pp. 171–188, 2011.
- A. Zaharescu (with P. Spiegelhalter), “Strong and weak Atanassov pairs,” *Proc. Jangjeon Math. Soc.*, vol. 14, no. 3, pp. 355–361, 2011.
- A. Zaharescu (with A. Dixit, A. Roy), “Convexity of quotients of theta functions,” *J. Math. Anal. Appl.*, vol. 386, no. 1, pp. 319–331, 2012.
- A. Zaharescu (with C. Demeter), “Proof of the HRT conjecture for $(2, 2)$ configurations,” *J. Math. Anal. Appl.*, vol. 388, no. 1, pp. 151–159, 2012.
- A. Zaharescu (with B. C. Berndt, S. Kim), “Weighted divisor sums and Bessel function series, II,” *Adv. Math.*, vol. 229, no. 3, pp. 2055–2097, 2012.
- A. Zaharescu (with V. Alexandru, N. Popescu, M. Vâjăitu), “Representation results for equivariant rigid analytic functions,” *Algebr. Represent. Theory*, vol. 15, no. 1, pp. 137–145, 2012.
- A. Zaharescu (with M.-T. Tsai), “On the sum of consecutive integers in sequences,” *Int. J. Number Theory*, vol. 8, no. 3, pp. 643–652, 2012.
- A. Zaharescu (with C. Cobeli, M. Vâjăitu), “The distribution of rationals in residue classes,” *Math. Rep. (Bucur.)*, vol. 14(64), no. 1, pp. 1–19, 2012.
- A. Zaharescu (with A. Ledoan), “The pair correlation of homotetic images of zeros of the Riemann zeta-function,” *J. Math. Anal. Appl.*, vol. 395, no. 1, pp. 275–283, 2012.
- A. Zaharescu (with M. Xiong), “Pair correlation of lattice points with prime constraint,” *Acta Arith.*, vol. 154, no. 1, pp. 29–43, 2012.

- A. Zaharescu (with M.-T. Tsai), “On the sum of consecutive integers in sequences II,” *Int. J. Number Theory*, vol. 8, no. 5, pp. 1281–1299, 2012.
- A. Zaharescu (with D. Bowman), “Natural numbers n for which $[n\alpha + s] \neq [n\beta + s]$,” *Acta Arith.*, vol. 154, no. 3, pp. 217–233, 2012.
- A. Zaharescu (with F. Stan), “The Siegel norm of algebraic numbers,” *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, vol. 55(103), no. 1, pp. 69–77, 2012.
- A. Zaharescu (with M. Xiong), “Statistics of the Jacobians of hyperelliptic curves over finite fields,” *Math. Res. Lett.*, vol. 19, no. 2, pp. 255–272, 2012.
- A. Zaharescu (with Y. Lamzouri), “Randomness of character sums modulo m ,” *J. Number Theory*, vol. 132, no. 12, pp. 2779–2792, 2012.
- A. Zaharescu (with M. Vâjâitu), “An algebraic-metric equivalence relation over p -adic fields,” *Glasg. Math. J.*, vol. 54, no. 3, pp. 715–720, 2012.
- A. Zaharescu (with S. Achimescu, V. Alexandru, N. Popescu, M. Vâjâitu), “The behavior of rigid analytic functions around orbits of elements of \mathbb{C}_p ,” *Rend. Semin. Mat. Univ. Padova*, vol. 127, pp. 193–211, 2012.
- A. Zaharescu (with K.-H. Mak), “Poisson type phenomena for points on hyperelliptic curves modulo p ,” *Funct. Approx. Comment. Math.*, vol. 47, no. part 1, pp. 65–78, 2012.
- A. Zaharescu (with B. C. Berndt, S. Kim), “Weighted divisor sums and Bessel function series, IV,” *Ramanujan J.*, vol. 29, no. 1-3, pp. 79–102, 2012.
- A. Zaharescu (with M. Caragiu, M. Zaki), “On a class of solvable recurrences with primes,” *JP J. Algebra Number Theory Appl.*, vol. 26, no. 2, pp. 197–208, 2012.
- A. Zaharescu (with B. C. Berndt, S. Kim), “Circle and divisor problems, and double series of Bessel functions,” *Adv. Math.*, vol. 236, pp. 24–59, 2013.
- A. Zaharescu (with K. Tran), “Pair correlation of roots of rational functions with rational generating functions and quadratic denominators,” *Ramanujan J.*, vol. 31, no. 1-2, pp. 129–145, 2013.
- A. Zaharescu (with V. Alexandru, N. Popescu, M. Vâjâitu), “On the zeros of Krasner analytic functions,” *Algebr. Represent. Theory*, vol. 16, no. 3, pp. 895–904, 2013.
- A. Zaharescu (with E. L. Popescu), “A tribute to Professor Nicolae Popescu (1937–2010),” *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, vol. 56(104), no. 1, pp. 3–10, 2013.
- A. Zaharescu (with C. Cobeli), “Promenade around Pascal triangle—number motives,” *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, vol. 56(104), no. 1, pp. 73–98, 2013.
- A. Zaharescu, “Residual transcendental extensions of valuations, irreducible polynomials, and trace series over p -adic fields,” *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, vol. 56(104), no. 1, pp. 125–131, 2013.
- A. Zaharescu (with M. Zaki), “Natural boundaries of a family of Dirichlet series,” *Rocky Mountain J. Math.*, vol. 43, no. 2, pp. 661–676, 2013.

- A. Zaharescu (with M. Zaki), “On the radical of linear forms over the ring of arithmetical functions,” *Kumamoto J. Math.*, vol. 26, pp. 1–8, 2013.
- A. Zaharescu (with B. C. Berndt, S. Kim), “Diophantine approximation of the exponential function and Sondow’s Conjecture,” *Adv. Math.*, vol. 248, pp. 1298–1331, 2013.
- A. Zaharescu (with N. C. Bonciocat, M. Cipu, M.-T. Tsai), “Congruences characterizing the bicrossproduct of cyclic groups,” *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, vol. 56(104), no. 3, pp. 267–279, 2013.
- A. Zaharescu (with C. Cobeli, Y. Gallot, P. Moree), “Sister Beiter and Kloosterman: a tale of cyclotomic coefficients and modular inverses,” *Indag. Math. (N.S.)*, vol. 24, no. 4, pp. 915–929, 2013.
- A. Zaharescu (with P. Spiegelhalter), “A class of arithmetic functions on $\mathrm{PSL}_2(\mathbb{Z})$,” *Bull. Korean Math. Soc.*, vol. 50, no. 2, pp. 601–610, 2013.
- A. Zaharescu (with T. Steinberger, M. Zaki), “Arithmetic functions on Gaussian integers,” *Int. J. Number Theory*, vol. 9, no. 8, pp. 1923–1932, 2013.
- A. Zaharescu (with B. C. Berndt, S. Kim, M. T. Phaovibul), “Diophantine approximation with partial sums of power series,” *Acta Arith.*, vol. 161, no. 3, pp. 249–266, 2013.
- A. Zaharescu (with B. C. Berndt, S. Kim), “Dirichlet L -functions, elliptic curves, hypergeometric functions, and rational approximation with partial sums of power series,” *Math. Res. Lett.*, vol. 20, no. 3, pp. 429–448, 2013.
- A. Zaharescu (with B. C. Berndt, S. Kim), “Weighted divisor sums and Bessel function series, III,” *J. Reine Angew. Math.*, vol. 683, pp. 67–96, 2013.
- A. Zaharescu, “Spectral norm of algebraic numbers, Siegel norm, and Weil numbers,” in *Advances in mathematics*, pp. 307–312, Ed. Acad. Române, Bucharest, 2013.
- A. Zaharescu (with B. C. Berndt, S. Kim), “The circle and divisor problems, and Ramanujan’s contributions through Bessel function series,” in *The legacy of Srinivasa Ramanujan*, vol. 20 of *Ramanujan Math. Soc. Lect. Notes Ser.*, pp. 111–127, Ramanujan Math. Soc., Mysore, 2013.
- A. Zaharescu (with A. Dixit, A. Roy), “Monotonicity results for Dirichlet L -functions,” *J. Math. Anal. Appl.*, vol. 410, no. 1, pp. 307–315, 2014.
- A. Zaharescu (with A. Ledoan, A. Roy), “Zeros of partial sums of the Dedekind zeta function of a cyclotomic field,” *J. Number Theory*, vol. 136, pp. 118–133, 2014.
- A. Zaharescu (with K.-H. Mak), “Lehmer points and visible points on affine varieties over finite fields,” *Math. Proc. Cambridge Philos. Soc.*, vol. 156, no. 2, pp. 193–207, 2014.
- A. Zaharescu (with M. Caragiu, M. Zaki), “On Ducci sequences with primes,” *Fibonacci Quart.*, vol. 52, no. 1, pp. 32–38, 2014.
- A. Zaharescu (with K.-H. Mak), “On the distribution of the number of points on a family of curves over finite fields,” *J. Number Theory*, vol. 140, pp. 277–298, 2014.

- A. Zaharescu (with A. Malik, F. Stan), “The Siegel norm, the length function and character values of finite groups,” *Indag. Math. (N.S.)*, vol. 25, no. 3, pp. 475–486, 2014.
- A. Zaharescu (with P. Spiegelhalter), “A class of arithmetic functions on $\mathrm{PSL}_2(\mathbb{Z})$, II,” *Bull. Korean Math. Soc.*, vol. 51, no. 2, pp. 443–455, 2014.
- A. Zaharescu (with A. Ledoan, P. Spiegelhalter), “Eigenvalues and arithmetic functions on $\mathrm{PSL}_2(\mathbb{Z})$,” *Integers*, vol. 14, pp. Paper No. A14, 15, 2014.
- A. Zaharescu (with M.-T. Tsai), “On the distribution of algebraic primes in small regions,” *Manuscripta Math.*, vol. 145, no. 1-2, pp. 111–123, 2014.
- A. Zaharescu (with F. P. Popa, Alexandru nd Boca, V. Pa₃sol), “Pair correlation of angles between reciprocal geodesics on the modular surface,” *Algebra Number Theory*, vol. 8, no. 4, pp. 999–1035, 2014.
- A. Zaharescu (with X. Meng), “A multivariable Mayer-Erdős phenomenon,” *J. Korean Math. Soc.*, vol. 51, no. 5, pp. 1029–1044, 2014.
- A. Zaharescu (with A. Ledoan), “A divisibility obstruction for certain walks on Gaussian integers,” *Integers*, vol. 14, pp. Paper No. A56, 15, 2014.
- A. Zaharescu (with C. Cobeli), “A game with divisors and absolute differences of exponents,” *J. Difference Equ. Appl.*, vol. 20, no. 11, pp. 1489–1501, 2014.
- A. Zaharescu (with F. P. Boca, A. A. Popa), “Pair correlation of hyperbolic lattice angles,” *Int. J. Number Theory*, vol. 10, no. 8, pp. 1955–1989, 2014.
- A. Zaharescu (with S. Chaubey, W. Cheng, A. Malik), “On the parity of broken k -diamond partitions,” *Ann. Univ. Ferrara Sez. VII Sci. Mat.*, vol. 60, no. 2, pp. 347–361, 2014.
- A. Zaharescu (with S. Chaubey, M. Lanius), “Irrational factor races,” *Proc. Indian Acad. Sci. Math. Sci.*, vol. 124, no. 4, pp. 471–479, 2014.
- A. Zaharescu (with B. C. Berndt, S. Kim), “Analogues of Koshliakov’s formula,” in *Ramanujan 125*, vol. 627 of *Contemp. Math.*, pp. 41–48, Amer. Math. Soc., Providence, RI, 2014.
- A. Zaharescu (with S. Chaubey, A. Malik), “ k -moments of distances between centers of Ford circles,” *J. Math. Anal. Appl.*, vol. 422, no. 2, pp. 906–919, 2015.
- A. Zaharescu (with A. Dixit, N. Robles, A. Roy), “Zeros of combinations of the Riemann ξ -function on bounded vertical shifts,” *J. Number Theory*, vol. 149, pp. 404–434, 2015.
- A. Zaharescu (with A. Dixit, A. Roy), “Ramanujan-Hardy-Littlewood-Riesz phenomena for Hecke forms,” *J. Math. Anal. Appl.*, vol. 426, no. 1, pp. 594–611, 2015.
- A. Zaharescu (with S. Chaubey, M. Lanius), “Pair correlation of fractional parts derived from rational valued sequences,” *J. Number Theory*, vol. 151, pp. 147–158, 2015.
- A. Zaharescu (with K. Ford), “Unnormalized differences between zeros of L -functions,” *Compos. Math.*, vol. 151, no. 2, pp. 230–252, 2015.

- A. Zaharescu (with F. Stan), “Weil numbers in finite extensions of \mathbb{Q}^{ab} : the Loxton-Kedlaya phenomenon,” *Trans. Amer. Math. Soc.*, vol. 367, no. 6, pp. 4359–4376, 2015. With an appendix by Kiran S. Kedlaya.
- A. Zaharescu (with D. Andrica, S. Chaubey, E. J. Ionascu), “On a conjecture on the number of polynomials with coefficients in $[n]$,” *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, vol. 58(106), no. 1, pp. 19–31, 2015.
- A. Zaharescu (with V. Alexandru, C. C. Nicu, M. Văjăitu), “On the norm of Krasner analytic functions with applications to transcendence results,” *J. Pure Appl. Algebra*, vol. 219, no. 10, pp. 4607–4618, 2015.
- A. Zaharescu (with B. C. Berndt, S. Kim), “Weighted divisor sums and Bessel function series, V,” *J. Approx. Theory*, vol. 197, pp. 101–114, 2015.
- A. Zaharescu (with J. Athreya, S. Chaubey, A. Malik), “Geometry of Farey-Ford polygons,” *New York J. Math.*, vol. 21, pp. 637–656, 2015.
- A. Zaharescu (with C. Cobeli), “On the geometry behind a recurrent relation,” *Carpathian J. Math.*, vol. 31, no. 2, pp. 165–172, 2015.
- A. Zaharescu (with J. S. Athreya, C. Cobeli), “Radial density in Apollonian packings,” *Int. Math. Res. Not. IMRN*, no. 20, pp. 9991–10011, 2015.
- A. Zaharescu (with S. Chaubey, M. Lanius), “Pair correlation of fractional parts derived from rational valued sequences, II,” *J. Number Theory*, vol. 158, pp. 151–164, 2016.
- A. Zaharescu (with N. Robles, A. Roy), “Twisted second moments of the Riemann zeta-function and applications,” *J. Math. Anal. Appl.*, vol. 434, no. 1, pp. 271–314, 2016.
- A. Zaharescu (with A. Dixit, A. Roy), “Riesz-type criteria and theta transformation analogues,” *J. Number Theory*, vol. 160, pp. 385–408, 2016.
- A. Zaharescu (with A. Dixit, N. Robles, A. Roy), “Koshliakov kernel and identities involving the Riemann zeta function,” *J. Math. Anal. Appl.*, vol. 435, no. 2, pp. 1107–1128, 2016.
- A. Zaharescu (with V. Alexandru, M. Văjăitu), “On p -adic analytic continuation with applications to generating elements,” *Proc. Edinb. Math. Soc. (2)*, vol. 59, no. 1, pp. 1–10, 2016.
- A. Zaharescu (with K. Pratt, G. Shakan), “A generalization of the Schur-Siegel-Smyth trace problem,” *J. Math. Anal. Appl.*, vol. 436, no. 1, pp. 489–500, 2016.
- A. Zaharescu (with A. Roy, M. Zaki), “Some identities involving convolutions of Dirichlet characters and the Möbius function,” *Proc. Indian Acad. Sci. Math. Sci.*, vol. 126, no. 1, pp. 21–33, 2016.
- A. Zaharescu (with K.-H. Mak), “On the correlation of families of pseudorandom sequences of k symbols,” *Acta Arith.*, vol. 174, no. 3, pp. 199–215, 2016.
- A. Zaharescu (with K. P. Koutsaki, A. Tamazyan), “On the zeros of linear combinations of derivatives of the Riemann zeta function,” *Int. J. Number Theory*, vol. 12, no. 6, pp. 1703–1723, 2016.

- A. Zaharescu (with G. Polanco, D. Schultz), “Continuous distributions arising from the three gap theorem,” *Int. J. Number Theory*, vol. 12, no. 7, pp. 1743–1764, 2016.
- A. Zaharescu (with C. Cobeli, M. Prunescu), “A growth model based on the arithmetic Z -game,” *Chaos Solitons Fractals*, vol. 91, pp. 136–147, 2016.
- A. Zaharescu (with V. Alexandru, M. Vâjăitu), “Continuous automorphisms of transcendental closed subfields of \mathbb{C}_p ,” *Monatsh. Math.*, vol. 181, no. 3, pp. 527–535, 2016.
- A. Zaharescu (with S. C. Hutchinson), “Parabolas infiltrating the Ford circles,” *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, vol. 59(107), no. 2, pp. 175–185, 2016.
- A. Zaharescu (with J. Li, A. Roy), “Zeros of a family of approximations of Hecke L -functions associated with cusp forms,” *Ramanujan J.*, vol. 41, no. 1-3, pp. 391–419, 2016.
- A. Zaharescu (with B. C. Berndt, A. Dixit, A. Roy), “New pathways and connections in number theory and analysis motivated by two incorrect claims of Ramanujan,” *Adv. Math.*, vol. 304, pp. 809–929, 2017.
- A. Zaharescu (with A. Dixit, A. Roy), “Error functions, Mordell integrals and an integral analogue of a partial theta function,” *Acta Arith.*, vol. 177, no. 1, pp. 1–37, 2017.
- A. Zaharescu (with P. Kühn, N. Robles), “The largest gap between zeros of entire L -functions is less than 41.54,” *J. Math. Anal. Appl.*, vol. 449, no. 2, pp. 1286–1301, 2017.
- V. Zharnitsky (with M. B. Erdoĝan, N. Tzirakis), “Nearly linear dynamics of nonlinear dispersive waves,” *Phys. D*, vol. 240, no. 17, pp. 1325–1333, 2011.
- V. Zharnitsky (with S. Merenkov), “Hausdorff dimension of three-period orbits in Birkhoff billiards,” *Nonlinearity*, vol. 25, no. 7, pp. 1947–1954, 2012.
- V. Zharnitsky (with Y. Baryshnikov), “Search on the brink of chaos,” *Nonlinearity*, vol. 25, no. 11, pp. 3023–3047, 2012.
- V. Zharnitsky (with V. Blumen, K. Y. Kim, J. Nance), “Three-period orbits in billiards on the surfaces of constant curvature,” *Int. Math. Res. Not. IMRN*, no. 21, pp. 5014–5024, 2012.
- V. Zharnitsky (with M. B. Erdoĝan, N. Tzirakis), “High frequency perturbation of cnoidal waves in KdV,” *SIAM J. Math. Anal.*, vol. 44, no. 6, pp. 4147–4164, 2012.
- V. Zharnitsky (with Y. Baryshnikov), “Search on the brink of chaos,” in *ANALCO12—Meeting on Analytic Algorithmics and Combinatorics*, pp. 65–74, SIAM, Philadelphia, PA, 2012.
- V. Zharnitsky (with E. VanderZee, A. N. Hirani, D. Guoy, E. A. Ramos), “Geometric and combinatorial properties of well-centered triangulations in three and higher dimensions,” *Comput. Geom.*, vol. 46, no. 6, pp. 700–724, 2013.
- V. Zharnitsky (with Y. Baryshnikov, V. Blumen, K. Kim), “Billiard dynamics of bouncing dumbbell,” *Phys. D*, vol. 269, pp. 21–27, 2014.
- V. Zharnitsky (with M. Arnold), “Cyclic evasion in the three bug problem,” *Amer. Math. Monthly*, vol. 122, no. 4, pp. 377–380, 2015.

V. Zharnitsky (with M. Arnold), “Pinball dynamics: unlimited energy growth in switching Hamiltonian systems,” *Comm. Math. Phys.*, vol. 338, no. 2, pp. 501–521, 2015.

Publications by Emeritus Faculty

- S. B. Alexander (with V. Kapovitch, A. Petrunin), “Alexandrov meets Kirszbraun,” in *Proceedings of the Gökova Geometry-Topology Conference 2010*, pp. 88–109, Int. Press, Somerville, MA, 2011.
- S. B. Alexander (with R. L. Bishop), “Warped products admitting a curvature bound,” *Adv. Math.*, vol. 303, pp. 88–122, 2016.
- E. Berkson, “Rotation methods in operator ergodic theory,” *New York J. Math.*, vol. 17, pp. 21–39, 2011.
- E. Berkson, “Operator ergodic theory for one-parameter decomposable groups,” *Bull. Sci. Math.*, vol. 135, no. 5, pp. 488–516, 2011.
- E. Berkson, “Marcinkiewicz r -classes and Fourier series expansions of operator ergodic Stieltjes convolutions,” *C. R. Math. Acad. Sci. Paris*, vol. 351, no. 21–22, pp. 813–815, 2013.
- E. Berkson, “Marcinkiewicz multipliers of higher variation and summability of operator-valued Fourier series,” *Studia Math.*, vol. 222, no. 2, pp. 123–155, 2014.
- E. Berkson, “Multipliers in weighted settings and strong convergence of associated operator-valued Fourier series,” *New York J. Math.*, vol. 21, pp. 973–986, 2015.
- E. Berkson, “Strong convergence in the weighted setting of operator-valued Fourier series defined by the Marcinkiewicz multipliers,” *C. R. Math. Acad. Sci. Paris*, vol. 354, no. 2, pp. 181–184, 2016.
- E. Berkson, “ A_p weights and strong convergence of operator-valued Fourier series for Stieltjes convolutions of Marcinkiewicz functions,” *Positivity*, vol. 21, no. 1, pp. 395–421, 2017.
- R. L. Bishop (with S. B. Alexander), “Warped products admitting a curvature bound,” *Adv. Math.*, vol. 303, pp. 88–122, 2016.
- R. Craggs, “On doubled 3-manifolds and minimal handle presentations for 4-manifolds,” *New York J. Math.*, vol. 18, pp. 29–53, 2012.
- H. G. Diamond, “Two results on Beurling generalized numbers,” *Publ. Math. Debrecen*, vol. 79, no. 3–4, pp. 401–409, 2011.
- H. G. Diamond (with W.-B. Zhang), “A PNT equivalence for Beurling numbers,” *Funct. Approx. Comment. Math.*, vol. 46, no. part 2, pp. 225–234, 2012.
- H. G. Diamond (with W.-B. Zhang), “Chebyshev bounds for Beurling numbers,” *Acta Arith.*, vol. 160, no. 2, pp. 143–157, 2013.
- H. G. Diamond (with W.-B. Zhang), “Optimality of Chebyshev bounds for Beurling generalized numbers,” *Acta Arith.*, vol. 160, no. 3, pp. 259–275, 2013.

- H. G. Diamond, “Erdős and multiplicative number theory,” in *Erdős centennial*, vol. 25 of *Bolyai Soc. Math. Stud.*, pp. 153–168, János Bolyai Math. Soc., Budapest, 2013.
- H. G. Diamond (with B. C. Berndt), “Preface [Special issue: In memory of Paul T. Bateman and Heini Halberstam],” *Int. J. Number Theory*, vol. 11, no. 5, pp. v–xiii, 2015.
- H. G. Diamond (with A. Straub), “Bounds for the logarithm of the Euler gamma function and its derivatives,” *J. Math. Anal. Appl.*, vol. 433, no. 2, pp. 1072–1083, 2016.
- H. G. Diamond (with W.-B. Zhang), *Beurling generalized numbers*, vol. 213 of *Mathematical Surveys and Monographs*. American Mathematical Society, Providence, RI, 2016.
- E. G. Evans (with P. Griffith), “A brief history of order ideals,” in *Commutative algebra*, pp. 393–417, Springer, New York, 2013.
- E. G. Evans (with P. Griffith), “Order ideals, annihilator ideals and pathological behavior,” *J. Commut. Algebra*, vol. 8, no. 1, pp. 43–59, 2016.
- Z. Füredi (with L. Özkahya), “On even-cycle-free subgraphs of the hypercube,” *J. Combin. Theory Ser. A*, vol. 118, no. 6, pp. 1816–1819, 2011.
- Z. Füredi (with L. Özkahya), “Unavoidable subhypergraphs: \mathbf{a} -clusters,” *J. Combin. Theory Ser. A*, vol. 118, no. 8, pp. 2246–2256, 2011.
- Z. Füredi (with A.-E. Riet, M. Tyomkyn), “Completing partial packings of bipartite graphs,” *J. Combin. Theory Ser. A*, vol. 118, no. 8, pp. 2463–2473, 2011.
- Z. Füredi (with J. E. Wetzel), “Covers for closed curves of length two,” *Period. Math. Hungar.*, vol. 63, no. 1, pp. 1–17, 2011.
- Z. Füredi (with A. Sali), “Some new bounds on partition critical hypergraphs,” *European J. Combin.*, vol. 33, no. 5, pp. 844–852, 2012.
- Z. Füredi, “2-cancellative hypergraphs and codes,” *Combin. Probab. Comput.*, vol. 21, no. 1-2, pp. 159–177, 2012.
- Z. Füredi (with J. Barát, I. Kantor, Y. Kim, B. Patkós), “Large B_d -free and union-free subfamilies,” *SIAM J. Discrete Math.*, vol. 26, no. 1, pp. 71–76, 2012.
- Z. Füredi (with P. Frankl), “A new short proof of the EKR theorem,” *J. Combin. Theory Ser. A*, vol. 119, no. 6, pp. 1388–1390, 2012.
- Z. Füredi (with A. Sali), “Optimal multivalued shattering,” *SIAM J. Discrete Math.*, vol. 26, no. 2, pp. 737–744, 2012.
- Z. Füredi, “Superimposed codes and hypergraphs containing no grids,” *Not. S. Afr. Math. Soc.*, vol. 43, no. 2, pp. 24–34, 2012.
- Z. Füredi (with Y. Kim), “The structure of the typical graphs of given diameter,” *Discrete Math.*, vol. 313, no. 2, pp. 155–163, 2013.

- Z. Füredi (with M. Ruszinkó), “Uniform hypergraphs containing no grids,” *Adv. Math.*, vol. 240, pp. 302–324, 2013.
- Z. Füredi (with Y. Kim), “Cycle-saturated graphs with minimum number of edges,” *J. Graph Theory*, vol. 73, no. 2, pp. 203–215, 2013.
- Z. Füredi (with C. Biró, S. Jahanbekam), “Large chromatic number and Ramsey graphs,” *Graphs Combin.*, vol. 29, no. 5, pp. 1183–1191, 2013.
- Z. Füredi (with D. Gerbner, M. Vizer), “An analogue of the Erdős-Ko-Rado theorem for multisets,” in *The Seventh European Conference on Combinatorics, Graph Theory and Applications*, vol. 16 of *CRM Series*, pp. 9–12, Ed. Norm., Pisa, 2013.
- Z. Füredi (with M. Simonovits), “The history of degenerate (bipartite) extremal graph problems,” in *Erdős centennial*, vol. 25 of *Bolyai Soc. Math. Stud.*, pp. 169–264, János Bolyai Math. Soc., Budapest, 2013.
- Z. Füredi, “Linear trees in uniform hypergraphs,” *European J. Combin.*, vol. 35, pp. 264–272, 2014.
- Z. Füredi (with T. Jiang), “Hypergraph Turán numbers of linear cycles,” *J. Combin. Theory Ser. A*, vol. 123, pp. 252–270, 2014.
- Z. Füredi (with A. Kostochka, M. Kumbhat), “Choosability with separation of complete multipartite graphs and hypergraphs,” *J. Graph Theory*, vol. 76, no. 2, pp. 129–137, 2014.
- Z. Füredi, “On a theorem of Erdős and Simonovits on graphs not containing the cube,” in *Number theory, analysis, and combinatorics*, De Gruyter Proc. Math., pp. 113–125, De Gruyter, Berlin, 2014.
- Z. Füredi (with T. Jiang, R. Seiver), “Exact solution of the hypergraph Turán problem for k -uniform linear paths,” *Combinatorica*, vol. 34, no. 3, pp. 299–322, 2014.
- Z. Füredi (with C. Biró, S. Jahanbekam), “Large chromatic number and
- P. Balister (with B. Bollobás, Z. Füredi, J. Thompson), “Minimal symmetric differences of lines in projective planes,” *J. Combin. Des.*, vol. 22, no. 10, pp. 435–451, 2014.
- Z. Füredi (with D. Gerbner, M. Vizer), “A discrete isodiametric result: the Erdős-Ko-Rado theorem for multisets,” *European J. Combin.*, vol. 48, pp. 224–233, 2015.
- Z. Füredi (with D. S. Gunderson), “Extremal numbers for odd cycles,” *Combin. Probab. Comput.*, vol. 24, no. 4, pp. 641–645, 2015.
- Z. Füredi (with B. Bollobás, I. Kantor, G. O. H. Katona, I. Leader), “A coding problem for pairs of subsets,” in *Geometry, structure and randomness in combinatorics*, vol. 18 of *CRM Series*, pp. 47–59, Ed. Norm., Pisa, 2015.
- Z. Füredi, “A proof of the stability of extremal graphs, Simonovits’ stability from Szemerédi’s regularity,” *J. Combin. Theory Ser. B*, vol. 115, pp. 66–71, 2015.

- Z. Füredi (with I. Kantor), “List colorings with distinct list sizes, the case of complete bipartite graphs,” *J. Graph Theory*, vol. 82, no. 2, pp. 218–227, 2016.
- Z. Füredi (with P. Balister (with Z. Füredi, B. Bollobás, I. Leader, M. Walters), “Subtended angles,” *Israel J. Math.*, vol. 214, no. 2, pp. 995–1012, 2016.
- Z. Füredi (with A. Kostochka, J. Verstraëte), “Stability in the Erdős-Gallai theorems on cycles and paths,” *J. Combin. Theory Ser. B*, vol. 121, pp. 197–228, 2016.
- Z. Füredi (with G. O. H. Katona), “Preface: Levon Khachatryan’s legacy in extremal combinatorics,” *Discrete Appl. Math.*, vol. 216, no. part 3, pp. 483–488, 2017.
- Z. Füredi (with L. Özkahya), “On 3-uniform hypergraphs without a cycle of a given length,” *Discrete Appl. Math.*, vol. 216, no. part 3, pp. 582–588, 2017.
- D. R. Grayson, “The additivity theorem in algebraic K -theory,” *Doc. Math.*, vol. 16, pp. 457–464, 2011.
- D. R. Grayson, “Algebraic K -theory via binary complexes,” *J. Amer. Math. Soc.*, vol. 25, no. 4, pp. 1149–1167, 2012.
- D. R. Grayson, “Quillen’s work in algebraic K -theory,” *J. K-Theory*, vol. 11, no. 3, pp. 527–547, 2013.
- P. Griffith (with A. Seceleanu), “Syzygy theorems via comparison of order ideals on a hypersurface,” *J. Pure Appl. Algebra*, vol. 216, no. 2, pp. 468–479, 2012.
- P. Griffith (with E. G. Evans), “A brief history of order ideals,” in *Commutative algebra*, pp. 393–417, Springer, New York, 2013.
- P. Griffith, “Koh like theorems for polynomials in mixed characteristic,” *J. Pure Appl. Algebra*, vol. 219, no. 3, pp. 502–509, 2015.
- P. Griffith (with E. G. Evans), “Order ideals, annihilator ideals and pathological behavior,” *J. Commut. Algebra*, vol. 8, no. 1, pp. 43–59, 2016.
- L. L. Helms, *Potential theory*. Universitext, Springer, London, second ed., 2014.
- C. W. Henson (with I. Ben Yaacov, A. Berenstein), “Model-theoretic independence in the Banach lattices $L_p(\mu)$,” *Israel J. Math.*, vol. 183, pp. 285–320, 2011.
- C. W. Henson (with Y. Raynaud), “Quantifier elimination in the theory of $L_p(L_q)$ -Banach lattices,” *J. Log. Anal.*, vol. 3, pp. Paper 11, 29, 2011.
- C. W. Henson (with I. Ben Yaacov, A. Berenstein), “Almost indiscernible sequences and convergence of canonical bases,” *J. Symb. Log.*, vol. 79, no. 2, pp. 460–484, 2014.
- C. W. Henson (with E. I. Gordon, L. Y. Glebsky), “Nonstandard analysis of the behavior of ergodic means of dynamical systems on very big finite probability spaces,” in *Nonlinear dynamics new directions*, vol. 11 of *Nonlinear Syst. Complex.*, pp. 115–151, Springer, Cham, 2015.

- C. W. Henson (with Y. Raynaud), “Asymptotically Hilbertian modular Banach spaces: examples of uncountable categoricity,” *Comment. Math.*, vol. 56, no. 1, pp. 119–144, 2016.
- C. W. Henson (with I. Ben Yaacov), “Generic orbits and type isolation in the Gurarij space,” *Fund. Math.*, vol. 237, no. 1, pp. 47–82, 2017.
- C. G. Jockusch, Jr. (with R. G. Downey, N. Greenberg, K. G. Milans), “Binary subtrees with few labeled paths,” *Combinatorica*, vol. 31, no. 3, pp. 285–303, 2011.
- C. G. Jockusch, Jr. (with P. E. Schupp), “Generic computability, Turing degrees, and asymptotic density,” *J. Lond. Math. Soc. (2)*, vol. 85, no. 2, pp. 472–490, 2012.
- C. G. Jockusch, Jr. (with R. G. Downey, P. E. Schupp), “Asymptotic density and computably enumerable sets,” *J. Math. Log.*, vol. 13, no. 2, pp. 1350005, 43, 2013.
- C. G. Jockusch, Jr. (with A. E. M. Lewis), “Diagonally non-computable functions and bi-immunity,” *J. Symbolic Logic*, vol. 78, no. 3, pp. 977–988, 2013.
- C. G. Jockusch (with R. Downey, T. H. McNicholl, P. Schupp), “Asymptotic density and the Ershov hierarchy,” *MLQ Math. Log. Q.*, vol. 61, no. 3, pp. 189–195, 2015.
- C. G. Jockusch, Jr. (with D. R. Hirschfeldt, T. H. McNicholl, P. E. Schupp), “Asymptotic density and the coarse computability bound,” *Computability*, vol. 5, no. 1, pp. 13–27, 2016.
- C. G. Jockusch (with U. Andrews, M. Cai, D. Diamondstone, S. Lempp), “Asymptotic density, computable traceability, and 1-randomness,” *Fund. Math.*, vol. 234, no. 1, pp. 41–53, 2016.
- C. G. Jockusch, Jr. (with D. R. Hirschfeldt), “On notions of computability-theoretic reduction between Π_2^1 principles,” *J. Math. Log.*, vol. 16, no. 1, pp. 1650002, 59, 2016.
- C. G. Jockusch, Jr. (with D. R. Hirschfeldt, R. Kuyper, P. E. Schupp), “Coarse reducibility and algorithmic randomness,” *J. Symb. Log.*, vol. 81, no. 3, pp. 1028–1046, 2016.
- F. W. Kamber (with J. Brüning, K. Richardson), “Index theory for basic Dirac operators on Riemannian foliations,” in *Noncommutative geometry and global analysis*, vol. 546 of *Contemp. Math.*, pp. 39–81, Amer. Math. Soc., Providence, RI, 2011.
- F. W. Kamber (with J. L. Dupont), “A generalization of Abel’s theorem and the Abel-Jacobi map,” *Illinois J. Math.*, vol. 55, no. 2, pp. 641–673 (2012), 2011.
- R. Kaufman, “Analytic sets in the theory of commutative semigroups,” *Studia Math.*, vol. 228, no. 1, pp. 3–6, 2015.
- P. A. Loeb, “Real analysis through modern infinitesimals [book review of mr2752815],” *SIAM Rev.*, vol. 55, no. 2, pp. 407–410, 2013.
- P. A. Loeb (with M. Insall, M. g. A. Marciniak), “End compactifications and general compactifications,” *J. Log. Anal.*, vol. 6, pp. Paper 7, 16, 2014.
- P. A. Loeb, “Simple nonstandard analysis and applications,” in *Nonstandard analysis for the working mathematician*, pp. 3–36, Springer, Dordrecht, 2015.

- P. A. Loeb, “An introduction to general nonstandard analysis,” in *Nonstandard analysis for the working mathematician*, pp. 37–78, Springer, Dordrecht, 2015.
- P. A. Loeb, “Topology and measure theory,” in *Nonstandard analysis for the working mathematician*, pp. 79–104, Springer, Dordrecht, 2015.
- P. A. Loeb (with M. Insall, M. g. A. Marciniak), “General and end compactifications,” in *Nonstandard analysis for the working mathematician*, pp. 165–176, Springer, Dordrecht, 2015.
- P. A. Loeb, *Real analysis*. Birkhäuser/Springer, [Cham], 2016.
- A. Pillay (with E. Hrushovski, Y. Peterzil), “On central extensions and definably compact groups in o -minimal structures,” *J. Algebra*, vol. 327, pp. 71–106, 2011.
- A. Pillay (with K. Krupiński), “On stable fields and weight,” *J. Inst. Math. Jussieu*, vol. 10, no. 2, pp. 349–358, 2011.
- A. Pillay (with E. Hrushovski), “On NIP and invariant measures,” *J. Eur. Math. Soc. (JEMS)*, vol. 13, no. 4, pp. 1005–1061, 2011.
- A. Pillay, “Stable embeddedness and NIP,” *J. Symbolic Logic*, vol. 76, no. 2, pp. 665–672, 2011.
- A. Pillay (with P. Tanović), “Generic stability, regularity, and quasiminimality,” in *Models, logics, and higher-dimensional categories*, vol. 53 of *CRM Proc. Lecture Notes*, pp. 189–211, Amer. Math. Soc., Providence, RI, 2011.
- A. Pillay (with C. Kestner), “Remarks on unimodularity,” *J. Symbolic Logic*, vol. 76, no. 4, pp. 1453–1458, 2011.
- A. Pillay (with E. Hrushovski), “Affine Nash groups over real closed fields,” *Confluentes Math.*, vol. 3, no. 4, pp. 577–585, 2011.
- A. Pillay (with P. Kowalski), “On the isotriviality of projective iterative ∂ -varieties,” *J. Pure Appl. Algebra*, vol. 216, no. 1, pp. 20–27, 2012.
- A. Pillay (with R. Moosa), “ \aleph_0 -categorical strongly minimal compact complex manifolds,” *Proc. Amer. Math. Soc.*, vol. 140, no. 5, pp. 1785–1801, 2012.
- A. Pillay (with A. Conversano), “Connected components of definable groups and o -minimality I,” *Adv. Math.*, vol. 231, no. 2, pp. 605–623, 2012.
- A. Pillay (with E. Hrushovski, P. Simon), “A note on generically stable measures and fsg groups,” *Notre Dame J. Form. Log.*, vol. 53, no. 4, pp. 599–605, 2012.
- A. Pillay, “Zariski geometries. Geometry from the logician’s point of view [book review of mr2606195],” *Bull. Amer. Math. Soc. (N.S.)*, vol. 50, no. 1, pp. 175–180, 2013.
- A. Pillay (with E. Hrushovski, P. Simon), “Generically stable and smooth measures in NIP theories,” *Trans. Amer. Math. Soc.*, vol. 365, no. 5, pp. 2341–2366, 2013.
- A. Pillay (with A. Conversano), “On Levi subgroups and the Levi decomposition for groups definable in o -minimal structures,” *Fund. Math.*, vol. 222, no. 1, pp. 49–62, 2013.

- A. Pillay, “Weight and measure in NIP theories,” *Notre Dame J. Form. Log.*, vol. 54, no. 3-4, pp. 567–578, 2013.
- A. Pillay (with K. Krupiński, S. A. Solecki), “Borel equivalence relations and Lascar strong types,” *J. Math. Log.*, vol. 13, no. 2, pp. 1350008, 37, 2013.
- A. Pillay (with E. Hrushovski, D. Palacin), “On the canonical base property,” *Selecta Math. (N.S.)*, vol. 19, no. 4, pp. 865–877, 2013.
- A. Pillay, “Topological dynamics and definable groups,” *J. Symbolic Logic*, vol. 78, no. 2, pp. 657–666, 2013.
- A. Pillay (with L. van den Dries, J. Koenigsmann, H. D. Macpherson, C. Toffalori, A. J. Wilkie), *Model theory in algebra, analysis and arithmetic*, vol. 2111 of *Lecture Notes in Mathematics*. Springer, Heidelberg; Centro Internazionale Matematico Estivo (C.I.M.E.), Florence, 2014. Papers from the Centro Internazionale Matematico Estivo (C.I.M.E.) Course held in Cetraro, 2012, Edited by Macpherson and Toffalori, Fondazione CIME/CIME Foundation Subseries.
- A. Pillay (with J. Gismatullin, D. Penazzi), “On compactifications and the topological dynamics of definable groups,” *Ann. Pure Appl. Logic*, vol. 165, no. 2, pp. 552–562, 2014.
- A. Pillay (with J. Nagloo), “On the algebraic independence of generic Painlevé transcendents,” *Compos. Math.*, vol. 150, no. 4, pp. 668–678, 2014.
- A. Pillay (with H. Adler, E. Casanovas), “Generic stability and stability,” *J. Symb. Log.*, vol. 79, no. 1, pp. 179–185, 2014.
- A. Pillay (with A. Chernikov, P. Simon), “External definability and groups in NIP theories,” *J. Lond. Math. Soc. (2)*, vol. 90, no. 1, pp. 213–240, 2014.
- A. Pillay (with R. Moosa), “Some model theory of fibrations and algebraic reductions,” *Selecta Math. (N.S.)*, vol. 20, no. 4, pp. 1067–1082, 2014.
- A. Pillay, “Some themes around first order theories without the independence property,” in *Model theory in algebra, analysis and arithmetic*, vol. 2111 of *Lecture Notes in Math.*, pp. 13–33, Springer, Heidelberg, 2014.
- A. Pillay (with C. Perin, R. Sklinos, K. Tent), “On groups and fields interpretable in torsion-free hyperbolic groups,” *Münster J. Math.*, vol. 7, no. 2, pp. 609–621, 2014.
- A. Pillay (with J. Gismatullin, D. Penazzi), “Some model theory of $SL(2, \mathbb{R})$,” *Fund. Math.*, vol. 229, no. 2, pp. 117–128, 2015.
- A. Pillay (with A. Conversano), “Connected components of definable groups, and o -minimality II,” *Ann. Pure Appl. Logic*, vol. 166, no. 7-8, pp. 836–849, 2015.
- A. Pillay (with R. Sklinos), “Saturated free algebras revisited,” *Bull. Symb. Log.*, vol. 21, no. 3, pp. 306–318, 2015.
- A. Pillay (with F. Benoist, E. Bouscaren), “Semiabelian varieties over separably closed fields, maximal divisible subgroups, and exact sequences,” *J. Inst. Math. Jussieu*, vol. 15, no. 1, pp. 29–69, 2016.

- A. Pillay (with M. Malliaris), “The stable regularity lemma revisited,” *Proc. Amer. Math. Soc.*, vol. 144, no. 4, pp. 1761–1765, 2016.
- A. Pillay (with N. Yao), “On minimal flows, definably amenable groups, and o -minimality,” *Adv. Math.*, vol. 290, pp. 483–502, 2016.
- A. Pillay (with D. Bertrand), “Galois theory, functional Lindemann-Weierstrass, and Manin maps,” *Pacific J. Math.*, vol. 281, no. 1, pp. 51–82, 2016.
- A. Pillay (with F. Benoist, E. Bouscaren), “On function field Mordell-Lang and Manin-Mumford,” *J. Math. Log.*, vol. 16, no. 1, pp. 1650001, 24, 2016.
- A. Pillay (with D. Bertrand, D. Masser, U. Zannier), “Relative Manin-Mumford for semi-Abelian surfaces,” *Proc. Edinb. Math. Soc. (2)*, vol. 59, no. 4, pp. 837–875, 2016.
- A. Pillay, “Remarks on compactifications of pseudofinite groups,” *Fund. Math.*, vol. 236, no. 2, pp. 193–200, 2017.
- H. A. Porta (with K. B. Stolarsky), “A golden iterated map number system: results and conjectures,” *Int. J. Number Theory*, vol. 11, no. 5, pp. 1617–1631, 2015.
- D. S. Robinson (with A. L. Delgado, M. Timm), “Generalized Baumslag-Solitar groups and geometric homomorphisms,” *J. Pure Appl. Algebra*, vol. 215, no. 4, pp. 398–410, 2011.
- D. S. Robinson (with A. Russo, G. Vincenzi), “On the theory of generalized FC-groups,” *J. Algebra*, vol. 326, pp. 218–226, 2011.
- D. S. Robinson, “The Schur multiplier of a generalized Baumslag-Solitar group,” *Rend. Semin. Mat. Univ. Padova*, vol. 125, pp. 207–215, 2011.
- D. S. Robinson, “Permutability and seriality in locally finite groups,” in *Ischia group theory 2010*, pp. 284–291, World Sci. Publ., Hackensack, NJ, 2012.
- D. S. Robinson, “Automorphisms of group extensions,” *Note Mat.*, vol. 33, no. 1, pp. 121–129, 2013.
- D. S. Robinson (with P. Longobardi, M. Maj, H. Smith), “On groups with two isomorphism classes of derived subgroups,” *Glasg. Math. J.*, vol. 55, no. 3, pp. 655–668, 2013.
- D. S. Robinson (with P. Longobardi, M. Maj), “Locally finite groups with finitely many isomorphism classes of derived subgroups,” *J. Algebra*, vol. 393, pp. 102–119, 2013.
- D. S. Robinson (with A. L. Delgado, M. Timm), “Generalized Baumslag-Solitar graphs with soluble fundamental groups,” *Algebra Colloq.*, vol. 21, no. 1, pp. 53–58, 2014.
- D. S. Robinson (with P. Longobardi, M. Maj), “Recent results on groups with few isomorphism classes of derived subgroups,” in *Group theory, combinatorics, and computing*, vol. 611 of *Contemp. Math.*, pp. 121–135, Amer. Math. Soc., Providence, RI, 2014.
- D. S. Robinson (with B. Torrecillas), “Group algebras with the bounded splitting property,” *Comm. Algebra*, vol. 42, no. 12, pp. 5381–5386, 2014.

- D. S. Robinson (with S. C. Rambaud), “Systems of companies with assets in common: determining true interests,” *Phys. A*, vol. 416, pp. 125–134, 2014.
- D. S. Robinson, “On the cohomology of finite soluble groups,” *Arch. Math. (Basel)*, vol. 105, no. 2, pp. 101–108, 2015.
- D. S. Robinson, “Generalized Baumslag-Solitar groups: a survey of recent progress,” in *Groups St Andrews 2013*, vol. 422 of *London Math. Soc. Lecture Note Ser.*, pp. 457–468, Cambridge Univ. Press, Cambridge, 2015.
- D. S. Robinson (with G. A. Freiman, M. Herzog, P. Longobardi, M. Maj, A. Plagne, Y. V. Stanchescu), “On the structure of subsets of an orderable group with some small doubling properties,” *J. Algebra*, vol. 445, pp. 307–326, 2016.
- D. S. Robinson, “On groups with extreme centralizers and normalizers,” *Adv. Group Theory Appl.*, vol. 1, pp. 97–112, 2016.
- D. S. Robinson (with A. L. Delgado, M. Timm), “Cyclic normal subgroups of generalized Baumslag-Solitar groups,” *Comm. Algebra*, vol. 45, no. 4, pp. 1808–1818, 2017.
- D. S. Robinson, “Sylow permutability in generalized soluble groups,” *J. Group Theory*, vol. 20, no. 1, pp. 61–70, 2017.
- J. Rosenblatt (with S. Butler), “Growth of maximal functions,” *New York J. Math.*, vol. 18, pp. 523–549, 2012.
- J. Rosenblatt (with L. Moonens), “Moving averages in the plane,” *Illinois J. Math.*, vol. 56, no. 3, pp. 759–793, 2012.
- J. Rosenblatt, “Partitions for optimal approximations,” *Int. J. Math. Anal. (Ruse)*, vol. 7, no. 57–60, pp. 2861–2878, 2013.
- J. Rosenblatt (with P. LaVictoire, A. Parrish), “Multivariable averaging on sparse sets,” *Trans. Amer. Math. Soc.*, vol. 366, no. 6, pp. 2975–3025, 2014.
- J. Rosenblatt (with K. C. Ciesielski), “Restricted continuity and a theorem of Luzin,” *Colloq. Math.*, vol. 135, no. 2, pp. 211–225, 2014.
- J. Rosenblatt (with V. Bergelson, A. del Junco, M. Lemańczyk), “Rigidity and non-recurrence along sequences,” *Ergodic Theory Dynam. Systems*, vol. 34, no. 5, pp. 1464–1502, 2014.
- J. Rosenblatt, “The joys of Haar measure [book review of MR3186070],” *Bull. Amer. Math. Soc. (N.S.)*, vol. 52, no. 4, pp. 733–738, 2015.
- J. Rosenblatt, “Optimal norm approximation in ergodic theory,” in *Ergodic theory*, pp. 40–76, De Gruyter, Berlin, 2016.
- P. E. Schupp (with C. G. Jockusch, Jr.), “Generic computability, Turing degrees, and asymptotic density,” *J. Lond. Math. Soc. (2)*, vol. 85, no. 2, pp. 472–490, 2012.

- P. E. Schupp (with T. Ceccherini-Silberstein, M. Coornaert, F. Fiorenzi), “Groups, graphs, languages, automata, games and second-order monadic logic,” *European J. Combin.*, vol. 33, no. 7, pp. 1330–1368, 2012.
- P. E. Schupp (with R. G. Downey, C. G. Jockusch, Jr.), “Asymptotic density and computably enumerable sets,” *J. Math. Log.*, vol. 13, no. 2, pp. 1350005, 43, 2013.
- P. E. Schupp (with R. Downey, C. Jockusch, T. H. McNicholl), “Asymptotic density and the Ershov hierarchy,” *MLQ Math. Log. Q.*, vol. 61, no. 3, pp. 189–195, 2015.
- P. E. Schupp (with T. Ceccherini-Silberstein, M. Coornaert, F. Fiorenzi, N. W. M. Touikan), “Multipass automata and group word problems,” *Theoret. Comput. Sci.*, vol. 600, pp. 19–33, 2015.
- P. E. Schupp (with D. R. Hirschfeldt, C. G. Jockusch, Jr., T. H. McNicholl), “Asymptotic density and the coarse computability bound,” *Computability*, vol. 5, no. 1, pp. 13–27, 2016.
- P. E. Schupp (with D. R. Hirschfeldt, C. G. Jockusch, Jr., R. Kuyper), “Coarse reducibility and algorithmic randomness,” *J. Symb. Log.*, vol. 81, no. 3, pp. 1028–1046, 2016.
- K. B. Stolarsky (with H. A. Porta), “A golden iterated map number system: results and conjectures,” *Int. J. Number Theory*, vol. 11, no. 5, pp. 1617–1631, 2015.
- K. B. Stolarsky (with C. Kimberling), “Slow Beatty sequences, devious convergence, and partial divergence,” *Amer. Math. Monthly*, vol. 123, no. 3, pp. 267–273, 2016.
- K. B. Stolarsky (with K. Dilcher), “Nonlinear recurrences related to Chebyshev polynomials,” *Ramanujan J.*, vol. 41, no. 1–3, pp. 147–169, 2016.
- S. V. Ullom (with N. Markin), “Minimal ramification in nilpotent extensions,” *Pacific J. Math.*, vol. 253, no. 1, pp. 125–143, 2011.
- D. B. West (with S. O), “Matching and edge-connectivity in regular graphs,” *European J. Combin.*, vol. 32, no. 2, pp. 324–329, 2011.
- D. B. West (with M.-T. Tsai), “A new proof of 3-colorability of Eulerian triangulations,” *Ars Math. Contemp.*, vol. 4, no. 1, pp. 73–77, 2011.
- D. B. West, “A short proof of the Berge-Tutte formula and the Gallai-Edmonds structure theorem,” *European J. Combin.*, vol. 32, no. 5, pp. 674–676, 2011.
- D. B. West (with Y. Caro, R. Yuster), “Equitable hypergraph orientations,” *Electron. J. Combin.*, vol. 18, no. 1, pp. Paper 121, 6, 2011.
- D. B. West (with K. G. Milans, D. H. Schreiber), “Acyclic sets in k -majority tournaments,” *Electron. J. Combin.*, vol. 18, no. 1, pp. Paper 122, 7, 2011.
- D. B. West (with J. Butterfield, T. Grauman, W. B. Kinnersley, K. G. Milans, C. Stocker), “Online Ramsey theory for bounded degree graphs,” *Electron. J. Combin.*, vol. 18, no. 1, pp. Paper 136, 17, 2011.

- D. B. West (with S. O, H. Wu), “Longest cycles in k -connected graphs with given independence number,” *J. Combin. Theory Ser. B*, vol. 101, no. 6, pp. 480–485, 2011.
- D. B. West (with H. Karami, S. M. Sheikholeslami, A. Khodkar), “Connected domination number of a graph and its complement,” *Graphs Combin.*, vol. 28, no. 1, pp. 123–131, 2012.
- D. B. West (with H. Wu), “Packing of Steiner trees and S -connectors in graphs,” *J. Combin. Theory Ser. B*, vol. 102, no. 1, pp. 186–205, 2012.
- D. B. West (with J. Cooper, J. Lenz, T. D. LeSaulnier, P. S. Wenger), “Uniquely C_4 -saturated graphs,” *Graphs Combin.*, vol. 28, no. 2, pp. 189–197, 2012.
- D. B. West (with M. D. Barrus, S. G. Hartke, K. F. Jao), “Length thresholds for graphic lists given fixed largest and smallest entries and bounded gaps,” *Discrete Math.*, vol. 312, no. 9, pp. 1494–1501, 2012.
- D. B. West (with W. B. Kinnersley, K. G. Milans), “Degree Ramsey numbers of graphs,” *Combin. Probab. Comput.*, vol. 21, no. 1-2, pp. 229–253, 2012.
- D. B. West (with D. W. Cranston, N. Korula, T. D. LeSaulnier, K. G. Milans, C. J. Stocker, J. Vandenbussche), “Overlap number of graphs,” *J. Graph Theory*, vol. 70, no. 1, pp. 10–28, 2012.
- D. B. West (with A. H. Busch, M. J. Ferrara, S. G. Hartke, M. S. Jacobson, H. Kaul), “Packing of graphic n -tuples,” *J. Graph Theory*, vol. 70, no. 1, pp. 29–39, 2012.
- D. B. West (with K. G. Milans, F. Pfender, D. Rautenbach, F. Regen), “Cycle spectra of Hamiltonian graphs,” *J. Combin. Theory Ser. B*, vol. 102, no. 4, pp. 869–874, 2012.
- D. B. West (with K. F. Jao), “Vertex degrees in outerplanar graphs,” *J. Combin. Math. Combin. Comput.*, vol. 82, pp. 229–239, 2012. 24th MCCC.
- D. B. West (with R. Zamani), “Spanning cycles through specified edges in bipartite graphs,” *J. Graph Theory*, vol. 71, no. 1, pp. 1–17, 2012.
- D. B. West (with M. D. Barrus), “The A_4 -structure of a graph,” *J. Graph Theory*, vol. 71, no. 2, pp. 159–175, 2012.
- D. B. West (with W. B. Kinnersley), “Multicolor on-line degree Ramsey numbers of trees,” *J. Comb.*, vol. 3, no. 1, pp. 91–100, 2012.
- D. B. West (with D. W. Cranston, C. D. Smyth), “Revolutionaries and spies on trees and unicyclic graphs,” *J. Comb.*, vol. 3, no. 2, pp. 195–205, 2012.
- D. B. West (with J. V. Butterfield, D. W. Cranston, G. J. Puleo, R. Zamani), “Revolutionaries and spies: spy-good and spy-bad graphs,” *Theoret. Comput. Sci.*, vol. 463, pp. 35–53, 2012.
- D. B. West (with J. Carraher, I. Choi, M. Delcourt, L. H. Erickson), “Locating a robber on a graph via distance queries,” *Theoret. Comput. Sci.*, vol. 463, pp. 54–61, 2012.
- D. B. West (with D. W. Cranston, W. B. Kinnersley, K. G. Milans, G. J. Puleo), “Chain-making games in grid-like posets,” *J. Comb.*, vol. 3, no. 4, pp. 633–649, 2012.

- D. B. West (with T. Jiang, K. G. Milans), “Degree Ramsey numbers for cycles and blowups of trees,” *European J. Combin.*, vol. 34, no. 2, pp. 414–423, 2013.
- D. B. West (with T. D. LeSaulnier), “Acquisition-extremal graphs,” *Discrete Appl. Math.*, vol. 161, no. 10-11, pp. 1521–1529, 2013.
- D. B. West (with D. W. Cranston, W. B. Kinnersley, S. O), “Game matching number of graphs,” *Discrete Appl. Math.*, vol. 161, no. 13-14, pp. 1828–1836, 2013.
- D. B. West (with S. G. Hartke, D. Stolee, M. Yancey), “Extremal graphs with a given number of perfect matchings,” *J. Graph Theory*, vol. 73, no. 4, pp. 449–468, 2013.
- D. B. West (with T. D. LeSaulnier), “Rainbow edge-coloring and rainbow domination,” *Discrete Math.*, vol. 313, no. 19, pp. 2020–2025, 2013.
- D. B. West (with J. Vandenbussche), “Extensions to 2-factors in bipartite graphs,” *Electron. J. Combin.*, vol. 20, no. 3, pp. Paper 11, 10, 2013.
- D. B. West (with M. Axenovich, A. Beveridge, J. P. Hutchinson), “Visibility number of directed graphs,” *SIAM J. Discrete Math.*, vol. 27, no. 3, pp. 1429–1449, 2013.
- D. B. West (with M. Baym), “Bounds on the k -dimension of products of special posets,” *Order*, vol. 30, no. 3, pp. 779–796, 2013.
- D. B. West (with T. D. LeSaulnier, N. Prince, P. S. Wenger, P. Worah), “Total acquisition in graphs,” *SIAM J. Discrete Math.*, vol. 27, no. 4, pp. 1800–1819, 2013.
- D. B. West (with W. B. Kinnersley, R. Zamani), “Extremal problems for game domination number,” *SIAM J. Discrete Math.*, vol. 27, no. 4, pp. 2090–2107, 2013.
- D. B. West (with S.-J. Kim, A. V. Kostochka, H. Wu, X. Zhu), “Decomposition of sparse graphs into forests and a graph with bounded degree,” *J. Graph Theory*, vol. 74, no. 4, pp. 369–391, 2013.
- D. B. West (with K. F. Jao, A. V. Kostochka), “Decomposition of Cartesian products of regular graphs into isomorphic trees,” *J. Comb.*, vol. 4, no. 4, pp. 469–490, 2013.
- D. B. West (with S. Jahanbekam), “New lower bounds for matching numbers of general and bipartite graphs,” *Congr. Numer.*, vol. 218, pp. 57–59, 2013.
- D. B. West (with J. Carraher, S. Loeb, T. Mahoney, G. J. Puleo, M.-T. Tsai), “Three topics in online list coloring,” *J. Comb.*, vol. 5, no. 1, pp. 115–130, 2014.
- D. B. West (with I. Choi, J. Kim, A. Tebbe), “Equicovering subgraphs of graphs and hypergraphs,” *Electron. J. Combin.*, vol. 21, no. 1, pp. Paper 1.62, 17, 2014.
- D. B. West (with P. K. Saha, A. Basu, M. K. Sen), “Permutation bigraphs and interval containments,” *Discrete Appl. Math.*, vol. 175, pp. 71–78, 2014.
- D. B. West (with L. Lin, Y. Lin), “Cutwidth of triangular grids,” *Discrete Math.*, vol. 331, pp. 89–92, 2014.

- D. B. West (with J.-O. Choi, K. G. Milans), “Linear discrepancy of chain products and posets with bounded degree,” *Order*, vol. 31, no. 3, pp. 291–305, 2014.
- D. B. West (with D. W. Cranston, S. Jahanbekam), “The 1, 2, 3-conjecture and 1, 2-conjecture for sparse graphs,” *Discuss. Math. Graph Theory*, vol. 34, no. 4, pp. 769–799, 2014.
- D. B. West (with J. A. Noel, H. Wu, X. Zhu), “Beyond Ohba’s conjecture: a bound on the choice number of k -chromatic graphs with n vertices,” *European J. Combin.*, vol. 43, pp. 295–305, 2015.
- D. B. West (with R. E. Behrend, S. O), “Sharp lower bounds on the fractional matching number,” *Discrete Appl. Math.*, vol. 186, pp. 272–274, 2015.
- D. B. West (with R. Kang, T. Müller), “On r -dynamic coloring of grids,” *Discrete Appl. Math.*, vol. 186, pp. 286–290, 2015.
- D. B. West (with T. Ahmed, A. Kézdy), “Remembering Hunter Snevily,” *Bull. Inst. Combin. Appl.*, vol. 73, pp. 7–17, 2015.
- D. B. West (with S. O), “Sharp bounds for the Chinese postman problem in 3-regular graphs and multigraphs,” *Discrete Appl. Math.*, vol. 190/191, pp. 163–168, 2015.
- D. B. West (with M. Ma, H. Shi), “The adversary degree-associated reconstruction number of double-brooms,” *J. Discrete Algorithms*, vol. 33, pp. 150–159, 2015.
- D. B. West (with K. G. Milans, D. Stolee), “Ordered Ramsey theory and track representations of graphs,” *J. Comb.*, vol. 6, no. 4, pp. 445–456, 2015.
- D. B. West (with M. Ma, H. Shi, H. Spinoza), “Degree-associated reconstruction parameters of complete multipartite graphs and their complements,” *Taiwanese J. Math.*, vol. 19, no. 4, pp. 1271–1284, 2015.
- D. B. West (with J. M. Carraher, T. Mahoney, G. J. Puleo), “Sum-paintability of generalized theta-graphs,” *Graphs Combin.*, vol. 31, no. 5, pp. 1325–1334, 2015.
- D. B. West (with S. Jahanbekam), “Rainbow spanning subgraphs of small diameter in edge-colored complete graphs,” *Graphs Combin.*, vol. 32, no. 2, pp. 707–712, 2016.
- D. B. West (with S. O), “Cubic graphs with large ratio of independent domination number to domination number,” *Graphs Combin.*, vol. 32, no. 2, pp. 773–776, 2016.
- D. B. West (with Y. Tang, B. Zhou), “Extremal problems for degree-based topological indices,” *Discrete Appl. Math.*, vol. 203, pp. 134–143, 2016.
- D. B. West (with S. Jahanbekam), “Anti-Ramsey problems for t edge-disjoint rainbow spanning subgraphs: cycles, matchings, or trees,” *J. Graph Theory*, vol. 82, no. 1, pp. 75–89, 2016.
- D. B. West (with W. B. Kinnersley, P. Prał at), “To catch a falling robber,” *Theoret. Comput. Sci.*, vol. 627, pp. 107–111, 2016.
- D. B. West (with S. Jahanbekam, J. Kim, S. O), “On r -dynamic coloring of graphs,” *Discrete Appl. Math.*, vol. 206, pp. 65–72, 2016.

- D. B. West (with X. Lu), “A new proof that 4-connected planar graphs are Hamiltonian connected,” *Discuss. Math. Graph Theory*, vol. 36, no. 3, pp. 555–564, 2016.
- D. B. West (with N. Alon, A. Kostochka, B. Reiniger, X. Zhu), “Coloring, sparseness and girth,” *Israel J. Math.*, vol. 214, no. 1, pp. 315–331, 2016.
- D. B. West (with M. Chen, S.-J. Kim, A. V. Kostochka, X. Zhu), “Decomposition of sparse graphs into forests: the nine dragon tree conjecture for $k \leq 2$,” *J. Combin. Theory Ser. B*, vol. 122, pp. 741–756, 2017.
- D. B. West (with K. F. Jao, C. Tardif, X. Zhu), “Circular chromatic Ramsey number,” *J. Comb.*, vol. 8, no. 1, pp. 189–208, 2017.
- D. B. West (with J. I. Wise), “Bar visibility numbers for hypercubes and outerplanar digraphs,” *Graphs Combin.*, vol. 33, no. 1, pp. 221–231, 2017.
- D. B. West (with R. J. Faudree, R. J. Gould, M. S. Jacobson), “Minimum degree and dominating paths,” *J. Graph Theory*, vol. 84, no. 2, pp. 202–213, 2017.
- D. B. West (with D. W. Cranston), “An introduction to the discharging method via graph coloring,” *Discrete Math.*, vol. 340, no. 4, pp. 766–793, 2017.
- J. E. Wetzel (with Z. Füredi), “Covers for closed curves of length two,” *Period. Math. Hungar.*, vol. 63, no. 1, pp. 1–17, 2011.
- J. E. Wetzel (with Y. Movshovich), “Escape paths of Besicovitch triangles,” *J. Comb.*, vol. 2, no. 3, pp. 413–433, 2011.
- J. E. Wetzel (with G. L. Alexanderson), “Perplexities related to Fourier’s 17 line problem,” *Math. Mag.*, vol. 85, no. 4, pp. 243–251, 2012.
- J. E. Wetzel, “Bounds for covers of unit arcs,” *Geombinatorics*, vol. 22, no. 3, pp. 116–126, 2013.
- J. E. Wetzel (with R. P. Jerrard, L. Yuan), “Platonic passages,” *Math. Mag.*, vol. 90, no. 2, pp. 87–98, 2017.

Publications by Postdocs and Researchers

- I. Agbanusi (with S. A. Isaacson), “A comparison of bimolecular reaction models for stochastic reaction-diffusion systems,” *Bull. Math. Biol.*, vol. 76, no. 4, pp. 922–946, 2014.
- I. Agbanusi, “Rate of convergence for large coupling limits in Sobolev spaces,” *Comm. Partial Differential Equations*, vol. 41, no. 11, pp. 1649–1659, 2016.
- M. R. Bell (with S. B. Rasool), “Biologically inspired processing of radar waveforms for enhanced delay-Doppler resolution,” *IEEE Trans. Signal Process.*, vol. 59, no. 6, pp. 2698–2709, 2011.
- D. Berwick-Evans, “The Chern-Gauss-Bonnet theorem via supersymmetric Euclidean field theories,” *Comm. Math. Phys.*, vol. 335, no. 3, pp. 1121–1157, 2015.
- D. Berwick-Evans, “Perturbative $N = 2$ supersymmetric quantum mechanics and L-theory with complex coefficients,” *Lett. Math. Phys.*, vol. 106, no. 1, pp. 109–129, 2016.
- I. Contreras (with C. Heunen, A. S. Cattaneo), “Relative Frobenius algebras are groupoids,” *J. Pure Appl. Algebra*, vol. 217, no. 1, pp. 114–124, 2013.
- I. Contreras, “Models for formal groupoids,” in *Geometric and topological methods for quantum field theory*, pp. 322–339, Cambridge Univ. Press, Cambridge, 2013.
- I. Contreras (with A. Cattaneo), “Groupoids and Poisson sigma models with boundary,” in *Geometric, algebraic and topological methods for quantum field theory*, pp. 315–330, World Sci. Publ., Hackensack, NJ, 2014.
- I. Contreras, “Groupoids, Frobenius algebras and Poisson sigma models,” in *Mathematical aspects of quantum field theories*, Math. Phys. Stud., pp. 413–426, Springer, Cham, 2015.
- I. Contreras (with A. S. Cattaneo), “Relational symplectic groupoids,” *Lett. Math. Phys.*, vol. 105, no. 5, pp. 723–767, 2015.
- I. Contreras (with E. Ercolessi, M. Schiavina), “On the geometry of mixed states and the Fisher information tensor,” *J. Math. Phys.*, vol. 57, no. 6, pp. 062209, 23, 2016.
- R. Davidson (with S. Sullivant), “Polyhedral combinatorics of UPGMA cones,” *Adv. in Appl. Math.*, vol. 50, no. 2, pp. 327–338, 2013.
- R. Davidson (with P. Hersh), “A lexicographic shellability characterization of geometric lattices,” *J. Combin. Theory Ser. A*, vol. 123, pp. 8–13, 2014.
- S. Dyachenko (with P. M. Lushnikov, N. Vladimirova), “Logarithmic scaling of the collapse in the critical Keller-Segel equation,” *Nonlinearity*, vol. 26, no. 11, pp. 3011–3041, 2013.
- S. Dyachenko (with D. V. Zakharov, V. E. Zakharov), “Bounded solutions of KdV and non-periodic one-gap potentials in quantum mechanics,” *Lett. Math. Phys.*, vol. 106, no. 6, pp. 731–740, 2016.

- S. Dyachenko (with D. Zakharov, V. Zakharov), “Primitive potentials and bounded solutions of the KdV equation,” *Phys. D*, vol. 333, pp. 148–156, 2016.
- S. Dyachenko (with A. C. Newell), “Whitecapping,” *Stud. Appl. Math.*, vol. 137, no. 2, pp. 199–213, 2016.
- S. Dyachenko (with P. M. Lushnikov, A. O. Korotkevich), “Branch cuts of Stokes wave on deep water. Part I: Numerical solution and Padé approximation,” *Stud. Appl. Math.*, vol. 137, no. 4, pp. 419–472, 2016.
- L. Escobar, “Star¹-convex functions on tropical linear spaces of complete graphs,” in *24th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2012)*, Discrete Math. Theor. Comput. Sci. Proc., AR, pp. 709–720, Assoc. Discrete Math. Theor. Comput. Sci., Nancy, 2012.
- L. Escobar, “Bott-Samelson varieties, subword complexes and brick polytopes,” in *26th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2014)*, Discrete Math. Theor. Comput. Sci. Proc., AT, pp. 863–874, Assoc. Discrete Math. Theor. Comput. Sci., Nancy, 2014.
- L. Escobar, “Brick manifolds and toric varieties of brick polytopes,” *Electron. J. Combin.*, vol. 23, no. 2, pp. Paper 2.25, 18, 2016.
- L. Escobar (with K. Mészáros), “Toric matrix Schubert varieties and their polytopes,” *Proc. Amer. Math. Soc.*, vol. 144, no. 12, pp. 5081–5096, 2016.
- F. Gültepe, “Normal tori in $\sharp_n(S^2 \times S^1)$,” *Topology Appl.*, vol. 160, no. 8, pp. 953–959, 2013.
- C. Malkiewich, “A tower connecting gauge groups to string topology,” *J. Topol.*, vol. 8, no. 2, pp. 529–570, 2015.
- C. Malkiewich, “Coassembly and the K -theory of finite groups,” *Adv. Math.*, vol. 307, pp. 100–146, 2017.
- C. Malkiewich, “The topological cyclic homology of the dual circle,” *J. Pure Appl. Algebra*, vol. 221, no. 6, pp. 1407–1422, 2017.
- A. R. Miller (with M. Bergerson, A. Pliml, V. Reiner, P. Shearer, D. Stanton, N. Switala), “Note on 1-crossing partitions,” *Ars Combin.*, vol. 99, pp. 83–87, 2011.
- A. R. Miller, “Differential posets have strict rank growth: a conjecture of Stanley,” *Order*, vol. 30, no. 2, pp. 657–662, 2013.
- A. R. Miller, “Reflection arrangements and ribbon representations,” *European J. Combin.*, vol. 39, pp. 24–56, 2014.
- A. R. Miller, “The probability that a character value is zero for the symmetric group,” *Math. Z.*, vol. 277, no. 3-4, pp. 1011–1015, 2014.
- A. R. Miller, “Foulkes characters for complex reflection groups,” *Proc. Amer. Math. Soc.*, vol. 143, no. 8, pp. 3281–3293, 2015.

- A. R. Miller, “Eigenspace arrangements of reflection groups,” *Trans. Amer. Math. Soc.*, vol. 367, no. 12, pp. 8543–8578, 2015.
- T. Molla (with H. Fan, H. A. Kierstead, G. Liu, J.-L. Wu, X. Zhang), “A note on relaxed equitable coloring of graphs,” *Inform. Process. Lett.*, vol. 111, no. 21-22, pp. 1062–1066, 2011.
- T. Molla (with A. Czygrinow), “Tight codegree condition for the existence of loose Hamilton cycles in 3-graphs,” *SIAM J. Discrete Math.*, vol. 28, no. 1, pp. 67–76, 2014.
- T. Molla (with A. Czygrinow, H. A. Kierstead), “On directed versions of the Corrádi-Hajnal corollary,” *European J. Combin.*, vol. 42, pp. 1–14, 2014.
- T. Molla (with A. Czygrinow, L. DeBiasio, H. A. Kierstead), “An extension of the Hajnal-Szemerédi theorem to directed graphs,” *Combin. Probab. Comput.*, vol. 24, no. 5, pp. 754–773, 2015.
- T. Molla (with L. DeBiasio, D. Kühn, D. Osthus, A. Taylor), “Arbitrary orientations of Hamilton cycles in digraphs,” *SIAM J. Discrete Math.*, vol. 29, no. 3, pp. 1553–1584, 2015.
- T. Molla (with L. DeBiasio), “Semi-degree threshold for anti-directed Hamiltonian cycles,” *Electron. J. Combin.*, vol. 22, no. 4, pp. Paper 4.34, 23, 2015.
- T. Molla (with J. De Silva, F. Pfender, T. Retter, M. Tait), “Increasing paths in edge-ordered graphs: the hypercube and random graph,” *Electron. J. Combin.*, vol. 23, no. 2, pp. Paper 2.15, 9, 2016.
- T. Molla (with J. Balogh, M. Sharifzadeh), “Triangle factors of graphs without large independent sets and of weighted graphs,” *Random Structures Algorithms*, vol. 49, no. 4, pp. 669–693, 2016.
- T. Molla (with M. Santana, E. Yeager), “A refinement of theorems on vertex-disjoint chorded cycles,” *Graphs Combin.*, vol. 33, no. 1, pp. 181–201, 2017.
- T. Molla (with J. Balogh, A. Lo), “Transitive triangle tilings in oriented graphs,” *J. Combin. Theory Ser. B*, vol. 124, pp. 64–87, 2017.
- T. Molla (with C. Erbes, S. Mousley, M. Santana), “Spanning trees with leaf distance at least d ,” *Discrete Math.*, vol. 340, no. 6, pp. 1412–1418, 2017.
- T. Oikhberg, “Rate of decay of s -numbers,” *J. Approx. Theory*, vol. 163, no. 3, pp. 311–327, 2011.
- T. Oikhberg (with C. Rosendal), “Subspace structure of some operator and Banach spaces,” *J. Log. Anal.*, vol. 3, pp. Paper 2, 31, 2011.
- T. Oikhberg (with A. M. Peralta, M. Ramirez), “Automatic continuity of M -norms on C^* -algebras,” *J. Math. Anal. Appl.*, vol. 381, no. 2, pp. 799–811, 2011.
- T. Oikhberg, “Reverse monotone approximation property,” in *Function spaces in modern analysis*, vol. 547 of *Contemp. Math.*, pp. 197–206, Amer. Math. Soc., Providence, RI, 2011.
- T. Oikhberg (with J. M. Almira), “Shapiro’s theorem for subspaces,” *J. Math. Anal. Appl.*, vol. 388, no. 1, pp. 282–302, 2012.

- T. Oikhberg (with J. M. Almira), “Approximation schemes satisfying Shapiro’s theorem,” *J. Approx. Theory*, vol. 164, no. 5, pp. 534–571, 2012.
- T. Oikhberg (with A. M. Peralta, D. Puglisi), “Automatic continuity of orthogonality or disjointness preserving bijections,” *Rev. Mat. Complut.*, vol. 26, no. 1, pp. 57–88, 2013.
- T. Oikhberg (with A. M. Peralta), “Automatic continuity of orthogonality preservers on a non-commutative $L^p(\tau)$ space,” *J. Funct. Anal.*, vol. 264, no. 8, pp. 1848–1872, 2013.
- T. Oikhberg (with M. I. Ostrovskii), “Dependence of Kolmogorov widths on the ambient space,” *Zh. Mat. Fiz. Anal. Geom.*, vol. 9, no. 1, pp. 25–50, 115, 2013.
- T. Oikhberg (with G. Garrigós, E. Hernández), “Lebesgue-type inequalities for quasi-greedy bases,” *Constr. Approx.*, vol. 38, no. 3, pp. 447–470, 2013.
- T. Oikhberg (with E. Spinu), “Domination of operators in the non-commutative setting,” *Studia Math.*, vol. 219, no. 1, pp. 35–67, 2013.
- T. Oikhberg (with E. Spinu), “Operator ideals on non-commutative function spaces,” *Integral Equations Operator Theory*, vol. 79, no. 4, pp. 507–532, 2014.
- T. Oikhberg (with K. Kudaybergenov, A. M. Peralta, B. Russo), “2-local triple derivations on von Neumann algebras,” *Illinois J. Math.*, vol. 58, no. 4, pp. 1055–1069, 2014.
- T. Oikhberg (with E. Spinu), “Subprojective Banach spaces,” *J. Math. Anal. Appl.*, vol. 424, no. 1, pp. 613–635, 2015.
- T. Oikhberg (with E. Spinu), “Ideals of operators on C^* -algebras and their preduals,” *Bull. Lond. Math. Soc.*, vol. 47, no. 1, pp. 156–170, 2015.
- T. Oikhberg (with S. J. Dilworth, D. Kutzarova), “Lebesgue constants for the weak greedy algorithm,” *Rev. Mat. Complut.*, vol. 28, no. 2, pp. 393–409, 2015.
- T. Oikhberg (with J. A. Chávez-Domínguez), “Some notions of transitivity for operator spaces,” in *Function spaces in analysis*, vol. 645 of *Contemp. Math.*, pp. 49–61, Amer. Math. Soc., Providence, RI, 2015.
- T. Oikhberg, “A note on latticeability and algebrability,” *J. Math. Anal. Appl.*, vol. 434, no. 1, pp. 523–537, 2016.
- T. Oikhberg (with M. Junge, C. Palazuelos), “Reducing the number of questions in nonlocal games,” *J. Math. Phys.*, vol. 57, no. 10, pp. 102203, 15, 2016.
- N. Robles (with A. Dixit, A. Roy, A. Zaharescu), “Zeros of combinations of the Riemann ξ -function on bounded vertical shifts,” *J. Number Theory*, vol. 149, pp. 404–434, 2015.
- N. Robles (with E. Elizalde, K. Kirsten, F. Williams), “Zeta functions on tori using contour integration,” *Int. J. Geom. Methods Mod. Phys.*, vol. 12, no. 2, pp. 1550019, 28, 2015.
- N. Robles (with P. Kühn, A. Roy), “On a class of functions that satisfies explicit formulae involving the Möbius function,” *Ramanujan J.*, vol. 38, no. 2, pp. 383–422, 2015.

- N. Robles (with A. Roy, A. Zaharescu), “Twisted second moments of the Riemann zeta-function and applications,” *J. Math. Anal. Appl.*, vol. 434, no. 1, pp. 271–314, 2016.
- N. Robles (with A. Dixit, A. Roy, A. Zaharescu), “Koshliakov kernel and identities involving the Riemann zeta function,” *J. Math. Anal. Appl.*, vol. 435, no. 2, pp. 1107–1128, 2016.
- N. Robles (with P. Kühn), “Explicit formulas of a generalized Ramanujan sum,” *Int. J. Number Theory*, vol. 12, no. 2, pp. 383–408, 2016.
- N. Robles (with P. Kühn, D. Zeindler), “On a mollifier of the perturbed Riemann zeta-function,” *J. Number Theory*, vol. 174, pp. 274–321, 2017.
- N. Robles (with A. Roy), “Moments of averages of generalized Ramanujan sums,” *Monatsh. Math.*, vol. 182, no. 2, pp. 433–461, 2017.
- N. Robles (with P. Kühn, A. Zaharescu), “The largest gap between zeros of entire L -functions is less than 41.54,” *J. Math. Anal. Appl.*, vol. 449, no. 2, pp. 1286–1301, 2017.
- D. Samart, “Three-variable Mahler measures and special values of modular and Dirichlet L -series,” *Ramanujan J.*, vol. 32, no. 2, pp. 245–268, 2013.
- D. Samart (with M. A. Papanikolas, M. D. Rogers), “The Mahler measure of a Calabi-Yau three-fold and special L -values,” *Math. Z.*, vol. 276, no. 3-4, pp. 1151–1163, 2014.
- D. Samart, “Mahler measures as linear combinations of L -values of multiple modular forms,” *Canad. J. Math.*, vol. 67, no. 2, pp. 424–449, 2015.
- D. Samart (with M. Lalin, W. Zudilin), “Further explorations of Boyd’s conjectures and a conductor 21 elliptic curve,” *J. Lond. Math. Soc. (2)*, vol. 93, no. 2, pp. 341–360, 2016.
- D. Samart, “The elliptic trilogarithm and Mahler measures of $K3$ surfaces,” *Forum Math.*, vol. 28, no. 3, pp. 405–423, 2016.
- D. Samart (with S. Ahlgren), “A note on cusp forms as p -adic limits,” *J. Number Theory*, vol. 168, pp. 360–373, 2016.
- D. Samart, “Feynman integrals and critical modular L -values,” *Commun. Number Theory Phys.*, vol. 10, no. 1, pp. 133–156, 2016.
- J. Sapir, “Lower bound on the number of non-simple closed geodesics on surfaces,” *Geom. Dedicata*, vol. 184, pp. 1–25, 2016.
- D. Varodayan (with Y.-C. Lin, B. Girod), “Image authentication using distributed source coding,” *IEEE Trans. Image Process.*, vol. 21, no. 1, pp. 273–283, 2012.
- D. Varodayan (with Y.-C. Lin, B. Girod), “Adaptive distributed source coding,” *IEEE Trans. Image Process.*, vol. 21, no. 5, pp. 2630–2640, 2012.
- E. Walsberg (with T. Hines), “Nontrivially Noetherian C^* -algebras,” *Math. Scand.*, vol. 111, no. 1, pp. 135–146, 2012.

- E. Walsberg (with F. Jahnke, P. Simon), “DP-minimal valued fields,” *J. Symb. Log.*, vol. 82, no. 1, pp. 151–165, 2017.
- J. Wang (with F. Baudoin), “The subelliptic heat kernel on the CR sphere,” *Math. Z.*, vol. 275, no. 1-2, pp. 135–150, 2013.
- J. Wang (with F. Baudoin), “Curvature dimension inequalities and subelliptic heat kernel gradient bounds on contact manifolds,” *Potential Anal.*, vol. 40, no. 2, pp. 163–193, 2014.
- J. Wang (with F. Baudoin), “The subelliptic heat kernels of the quaternionic Hopf fibration,” *Potential Anal.*, vol. 41, no. 3, pp. 959–982, 2014.
- J. Wang, “The subelliptic heat kernel on the anti-de Sitter space,” *Potential Anal.*, vol. 45, no. 4, pp. 635–653, 2016.
- J. Wang (with F. Baudoin, B. Kim), “Transverse Weitzenböck formulas and curvature dimension inequalities on Riemannian foliations with totally geodesic leaves,” *Comm. Anal. Geom.*, vol. 24, no. 5, pp. 913–937, 2016.
- B. J. Wyser, “ K -orbits on G/B and Schubert constants for pairs of signed shuffles in types C and D ,” *J. Algebra*, vol. 364, pp. 67–87, 2012.
- B. J. Wyser, “ K -orbit closures on G/B as universal degeneracy loci for flagged vector bundles with symmetric or skew-symmetric bilinear form,” *Transform. Groups*, vol. 18, no. 2, pp. 557–594, 2013.
- B. J. Wyser, “Schubert calculus of Richardson varieties stable under spherical Levi subgroups,” *J. Algebraic Combin.*, vol. 38, no. 4, pp. 829–850, 2013.
- B. J. Wyser (with A. Yong), “Polynomials for $GL_p \times GL_q$ orbit closures in the flag variety,” *Selecta Math. (N.S.)*, vol. 20, no. 4, pp. 1083–1110, 2014.
- B. J. Wyser (with A. Woo), “Combinatorial results on $(1, 2, 1, 2)$ -avoiding $GL(p, \mathbb{C}) \times GL(q, \mathbb{C})$ -orbit closures on $GL(p+q, \mathbb{C})/B$,” *Int. Math. Res. Not. IMRN*, no. 24, pp. 13148–13193, 2015.
- B. J. Wyser (with M. B. Can, M. Joyce), “Chains in weak order posets associated to involutions,” *J. Combin. Theory Ser. A*, vol. 137, pp. 207–225, 2016.
- B. J. Wyser, “ K -orbit closures on G/B as universal degeneracy loci for flagged vector bundles splitting as direct sums,” *Geom. Dedicata*, vol. 181, pp. 137–175, 2016.
- B. J. Wyser, “The Bruhat order on clans,” *J. Algebraic Combin.*, vol. 44, no. 3, pp. 495–517, 2016.
- M. Xiao (with S. Berhanu), “On the C^∞ version of the reflection principle for mappings between CR manifolds,” *Amer. J. Math.*, vol. 137, no. 5, pp. 1365–1400, 2015.
- M. Xiao (with X. Huang), “Nonembeddability into a fixed sphere for a family of compact real algebraic hypersurfaces,” *Int. Math. Res. Not. IMRN*, no. 16, pp. 7382–7393, 2015.
- M. Xiao (with J. P. D’Angelo, Z. Huo), “Proper holomorphic maps from the unit disk to some unit ball,” *Proc. Amer. Math. Soc.*, vol. 145, no. 6, pp. 2649–2660, 2017.