Publications:
(undergraduate authors indicated by a * and graduate students by a **)  

A. Research Publications

1. “Some Results on Superpatterns for Preferential Arrangements,” Advances in Applied Mathematics 81, 202—211, 2016 (with Yonah Biers-Ariel* and Yiguang Zhang*).
2. “On the Longest Common Pattern Contained in Two or More Random Permutations,” Journal of Combinatorics 7, 531—541, 2016 (with Michael Earnest* and Yevgeniy Rudoy*).
3. “Discrete iid Random Variables: Unconditional Case (Two and Three Dimensional Scan Statistics): A Poisson Approximation for the Number of kl-Matches,” invited contribution submitted to Handbook of Scan Statistics (with Katherine Grzesik* and Heather Shappell*).
4. “The Total Acquisition Number of the Randomly Weighted Path,” to appear in Discussiones Mathematicae, Graph Theory (with Elizabeth Kelley*, Emily Kurtz*, Pawel Pralat, and Yiguang Zhang*).
5. “Telescoping Sums, Permutations, and First Occurrence Distributions,” The Mathematical Scientist 41, 75—83, 2016 (with Jie Hao**).
6. “Preferential Arrangement Superpatterns,” Electronic Notes in Discrete Mathematics 54, 9—14, 2016 (with Yonah Biers-Ariel* and Yiguang Zhang*).
8. “Waiting Time Distribution for the Emergence of Superpatterns,” Methodology and Computing in Applied Probability, 18, 517—528, 2016 (with Martha Liendo**).
12. “Universal Cycles for 2- and 3-Partitions of [n],” Congressus Numerantium 225, 181-188, 2015, (with Amanda Elks* and Steven McInturff*).
32. Planar $\alpha$-overlap graphs,” Congressus Numerantium 210, 57--59 (2011), (with Rick Norwood and Debra Knisley.)
33. “Competition between discrete random variables, with applications to occupancy problems,” J. Statistical Planning and Inference 140, 2204-2212, 2010, (with D. Betsy Sinclair* and Julia Eaton*).
34. “Universal Cycles of Classes of Restricted Words,” Discrete Mathematics, 310, 3303—3309, 2010 (with Arielie Leitner*).
42. “Probabilistic extensions of the Erdős-Ko-Rado theorem, Methodology and Computing in Applied Probability, 8, 357—371, 2006. (with Anna Celaya* and Mandy Schleifer*).
50. “Contributions to the problem of Zarankiewicz,” *Journal of Statistical Planning and Inference* **95**, 197—208, 2001 (with Heidi Graziano*).


67. “General upper bounds for covering numbers,” Ars Combinatoria 42, 211–221, 1996 (with Sandra Thompson* and Eric Vigoda*).


69. “Reliability analysis of a software redundancy system,” Interstat 1, June 1995 (with Nicholas Locantore* and Gomathi Sadhasivan**).


73. “A Poisson approximation for the number of k-matches,” Statistics and Probability Letters 21, 1-8, 1994 (with Patrick Burghardt* and Amy Prengaman*).

74. “Discriminating between sequences of Bernoulli and Markov-Bernoulli trials,” Communications in Statistics A 23, 2787-2814, 1994 (with Sharyn Campbell* and Stephanie Schaller*).

75. “Improved Poisson approximations for word patterns,” Advances in Applied Probability 25, 334-347, 1993 (with Andrew Schaffner*).


79. “Exact and approximate runs distributions,” Communications in Statistics A 21, 2151-2167, 1992 (with Michelle Gornowicz*).


B. Other Academic (marked with A) and Educational Publications (marked with E)


16. A: Review of Laszlo Lovasz’s text Large Networks and Graph Limits, Mathematical Reviews, MR3012035, American Mathematical Society, Providence, 10 pages.