

1. with F. Frick, A. Vakili, *On homotopy types of Euclidean Rips complexes*, Discrete & Computational Geometry 58 (2017), 526-542
2. *A note on independence complexes of chordal graphs and dismantling*, Electronic Journal of Combinatorics, 24 (2) (2017), #P2.34
3. with H. Adams, *Vietoris–Rips complexes of the circle*, Pacific Journal of Mathematics, 290 (2017), 1-40
4. with H. Adams, F. Motta. *Random cyclic dynamical systems*, Advances in Applied Mathematics 83 (2017), 1-23
5. with H. Adams, F. Frick, C. Peterson, C. Previtte–Johnson, *Nerve complexes of circular arcs*, Discrete & Computational Geometry 56 (2016), 251-273
6. with J. Stacho, *Complexity of simplicial homology and independence complexes of chordal graphs*, Computational Geometry — Theory and Applications, 57 (2016), 8-18
7. with J. Hladký, *An upper bound theorem for odd-dimensional flag triangulations of manifolds*, Mathematika 62 (2016), 909-928
8. with A. Adamaszek, M. Mnich, J. Schmidt, *Lower bounds for locally highly-connected graphs*, Graphs and Combinatorics, 32 (2016), 1641-1650
9. with J. Hladký, *Dense flag triangulations of 3-manifolds via extremal graph theory*, Transactions of the American Math. Soc., 367 (2015), 2743-2764
10. *Face numbers of down-sets*, American Math. Monthly, Vol. 122, No. 4 (April 2015), 367-370
11. *Extremal problems related to Betti numbers of flag complexes*, Disc. Appl. Math., 173 (2014), 8-15
12. *Small flag complexes with torsion*, Canadian Mathematical Bulletin 57 (2014), 225-230
13. *The smallest nonevasive graph property*, Discuss. Math. Graph Theory, 34 (2014), 857-862
14. *Special cycles in independence complexes and superfrustration in some lattices*, Topology and its Applications, 160 (2013), 943-950
15. with J.D.S. Jones, *The symmetric join operad*, Homology, Homotopy and Applications, Vol. 15 (2013), No. 2, pp. 245-265
16. *Comparing minimal simplicial models*, Journal of Homotopy and Related Structures, (2013) 8 (1): 117-125
17. *Clique complexes and graph powers*, Israel J. Math. 196 (2013), 295-319
18. *Efficient enumeration of graceful permutations*, Journal of Comb. Math. and Comb. Comp., (2013) 87, 191-197
19. *Splittings of independence complexes and the powers of cycles*, Journal of Combinatorial Theory, Ser. A 119 (2012), 1031-1047
20. with J.A. Barmak, *On a lower bound for the connectivity of the independence complex of a graph*, Discrete Mathematics 311(21): 2566-2569 (2011)
21. *Vertex decompositions of two-dimensional complexes and graphs*, Contributions to Discrete Mathematics, Vol. 7, No 2 (2012): 84-96
22. with A. Kozłowski, K. Yamaguchi, *Spaces of algebraic and continuous maps between real algebraic varieties*, Quarterly Journal of Mathematics, (2011) 62(4): 771-790
23. with A. Adamaszek, *Uniqueness of graph square roots of girth six*, Electronic Journal of Combinatorics 18 (2011), #P139
24. with A. Adamaszek, *Large-girth roots of graphs*, SIAM J. Discrete Math. Volume 24, Issue 4, pp. 1501-1514 (2010)
25. with A. Adamaszek, *Combinatorics of the change-making problem*, European Journal of Combinatorics, Vol.31 (1), January 2010, p. 47-63