Cynthia Vinzant

List of Publications by Year
in descending order

16 papers	357 citations	1307594 7 h-index	1199594 12 g-index
16 all docs	16 docs citations	16 times ranked	207 citing authors

#	Article	IF	Citations
1	Log-concave polynomials, I: Entropy and a deterministic approximation algorithm for counting bases of matroids. Duke Mathematical Journal, 2021, 170, .	1.5	9
2	Computing complex and real tropical curves using monodromy. Journal of Pure and Applied Algebra, 2019, 223, 5232-5250.	0.6	0
3	The Chow Form of a Reciprocal Linear Space. Michigan Mathematical Journal, 2019, 68, .	0.4	5
4	Mini-Workshop: Algebraic, Geometric, and Combinatorial Methods in Frame Theory. Oberwolfach Reports, 2018, 15, 2769-2803.	0.0	0
5	A small frame and a certificate of its injectivity. , 2015, , .		21
6	Computing Hermitian determinantal representations of hyperbolic curves. International Journal of Algebra and Computation, 2015, 25, 1327-1336.	0.5	5
7	Quartic spectrahedra. Mathematical Programming, 2015, 151, 585-612.	2.4	15
8	An algebraic characterization of injectivity in phase retrieval. Applied and Computational Harmonic Analysis, 2015, 38, 346-356.	2.2	128
9	Hyperbolic polynomials, interlacers, and sums of squares. Mathematical Programming, 2015, 153, 223-245.	2.4	24
10	The entropic discriminant. Advances in Mathematics, 2013, 244, 678-707.	1.1	22
11	Determinantal representations of hyperbolic plane curves: An elementary approach. Journal of Symbolic Computation, 2013, 57, 48-60.	0.8	40
12	The Central Curve in Linear Programming. Foundations of Computational Mathematics, 2012, 12, 509-540.	2.5	19
13	Real radical initial ideals. Journal of Algebra, 2012, 352, 392-407.	0.7	6
14	Computing Linear Matrix Representations of Helton-Vinnikov Curves. , 2012, , 259-277.		14
15	Edges of the Barvinokâ€"Novik Orbitope. Discrete and Computational Geometry, 2011, 46, 479-487.	0.6	7
16	Quartic curves and their bitangents. Journal of Symbolic Computation, 2011, 46, 712-733.	0.8	42