Thomas Kahle

List of Publications by Year
in descending order

		1040056	839539
32 papers	355 citations	9 h-index	18 g-index
33 all docs	33 docs citations	33 times ranked	178 citing authors

#	Article	IF	Citations
1	Binomial edge ideals and conditional independence statements. Advances in Applied Mathematics, 2010, 45, 317-333.	0.7	138
2	Decompositions of commutative monoid congruences and binomial ideals. Algebra and Number Theory, 2014, 8, 1297-1364.	0.6	23
3	Decompositions of binomial ideals. Annals of the Institute of Statistical Mathematics, 2010, 62, 727-745.	0.8	16
4	Support sets in exponential families and oriented matroid theory. International Journal of Approximate Reasoning, 2011, 52, 613-626.	3.3	15
5	Decompositions of binomial ideals. The Journal of Software ForAlgebra and Geometry: Macaulay2, 2012, 4, 1-5.	0.6	15
6	Multigraded commutative algebra of graph decompositions. Journal of Algebraic Combinatorics, 2014, 39, 335-372.	0.8	14
7	Parity binomial edge ideals. Journal of Algebraic Combinatorics, 2016, 44, 99-117.	0.8	13
8	Detecting binomiality. Advances in Applied Mathematics, 2015, 71, 52-67.	0.7	12
9	Multistationarity in the Space of Total Concentrations for Systems that Admit a Monomial Parametrization. Bulletin of Mathematical Biology, 2019, 81, 4174-4209.	1.9	12
10	Quantifying structure in networks. European Physical Journal B, 2010, 77, 239-247.	1.5	10
11	Counting inversions and descents of random elements in finite Coxeter groups. Mathematics of Computation, 2019, 89, 437-464.	2.1	9
12	Positive margins and primary decomposition. Journal of Commutative Algebra, 2014, 6, .	0.3	8
13	The Geometry of Gaussoids. Foundations of Computational Mathematics, 2019, 19, 775-812.	2.5	8
14	Irreducible decomposition of binomial ideals. Compositio Mathematica, 2016, 152, 1319-1332.	0.8	7
15	Plethysm and Lattice Point Counting. Foundations of Computational Mathematics, 2016, 16, 1241-1261.	2.5	7
16	Eigenschemes and the Jordan canonical form. Linear Algebra and Its Applications, 2016, 496, 121-151.	0.9	7
17	Generic and special constructions of pure O-sequences. Bulletin of the London Mathematical Society, 2014, 46, 924-942.	0.8	5
18	Linear syzygies, flag complexes, and regularity. Collectanea Mathematica, 2016, 67, 357-362.	0.9	5

#	Article	IF	Citations
19	The Geometry of Rank-One Tensor Completion. SIAM Journal on Applied Algebra and Geometry, 2017, 1, 200-221.	1.4	5
20	Finding binomials in polynomial ideals. Research in Mathematical Sciences, 2017, 4, 1.	1.0	5
21	Equivariant lattice generators and Markov bases. , 2014, , .		4
22	Toric fiber products versus Segre products. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 2014, 84, 187-201.	0.2	3
23	Linear syzygies, hyperbolic Coxeter groups andÂregularity. Compositio Mathematica, 2019, 155, 1076-1097.	0.8	3
24	Algebraic geometry of Poisson regression. Journal of Algebraic Statistics, 2016, 7, .	0.6	3
25	Obstructions to Combinatorial Formulas for Plethysm. Electronic Journal of Combinatorics, 2018, 25, .	0.4	2
26	Invariant Chains in Algebra and Discrete Geometry. SIAM Journal on Discrete Mathematics, 2022, 36, 975-999.	0.8	2
27	Hilbertâ€"PoincarÃ© series of parity binomial edge ideals and permanental ideals of complete graphs. Collectanea Mathematica, 2021, 72, 471-479.	0.9	1
28	Geometrie optimaler VersuchsplÃ¤ne. Mitteilungen Der Deutschen Mathematiker-Vereinigung, 2020, 28, 71-76.	0.0	1
29	The geometry of Gaussian double Markovian distributions. Scandinavian Journal of Statistics, 2023, 50, 665-696.	1.4	1
30	Pi ist genau 3. Mitteilungen Der Deutschen Mathematiker-Vereinigung, 2021, 29, 28-29.	0.0	0
31	The semialgebraic geometry of saturated optimal designs for the Bradleyâ€"Terry model. Algebraic Statistics, 2021, 12, 97-114.	0.5	0
32	On the Feasibility of Semi-algebraic Sets in Poisson Regression. Lecture Notes in Computer Science, 2016, , 142-147.	1.3	0