

# Sonja Petrovic

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

229  
citations

1307366

7  
h-index

1058333

14  
g-index

26  
all docs

26  
docs citations

26  
times ranked

124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximum likelihood estimation in the $\beta$ -model. Annals of Statistics, 2013, 41, .	1.4	62
2	Identifiability of Two-Tree Mixtures for Group-Based Models. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 710-722.	1.9	28
3	COMBINATORIAL DEGREE BOUND FOR TORIC IDEALS OF HYPERGRAPHS. International Journal of Algebra and Computation, 2013, 23, 1503-1520.	0.4	14
4	Maximum likelihood degree of variance component models. Electronic Journal of Statistics, 2012, 6, .	0.4	13
5	Toric algebra of hypergraphs. Journal of Algebraic Combinatorics, 2014, 39, 187-208.	0.4	13
6	Goodness of fit for log-linear network models: dynamic Markov bases using hypergraphs. Annals of the Institute of Statistical Mathematics, 2017, 69, 673-704.	0.5	8
7	Blow-up algebras, determinantal ideals, and Dedekindâ€™Mertens-like formulas. Forum Mathematicum, 2017, 29, 799-830.	0.3	8
8	Random monomial ideals. Journal of Algebra, 2019, 519, 440-473.	0.4	8
9	On the Universal Gröbner bases of varieties of minimal degree. Mathematical Research Letters, 2008, 15, 1211-1221.	0.2	8
10	Hypergraph encodings of arbitrary toric ideals. Journal of Combinatorial Theory - Series A, 2019, 166, 11-41.	0.5	7
11	Fibers of multi-way contingency tables given conditionals: relation to marginals, cell bounds and Markov bases. Annals of the Institute of Statistical Mathematics, 2015, 67, 621-648.	0.5	6
12	Statistical models for cores decomposition of an undirected random graph. Electronic Journal of Statistics, 2017, 11, .	0.4	6
13	Universal Gröbner Bases of Colored Partition Identities. Experimental Mathematics, 2012, 21, 395-401.	0.5	5
14	Bouquet algebra of toric ideals. Journal of Algebra, 2018, 512, 493-525.	0.4	5
15	Toric Ideals of Phylogenetic Invariants for the General Group-Based Model on Claw Trees $K_{1,n}$ . Lecture Notes in Computer Science, 2007, , 307-321.	1.0	5
16	Discussion of â€œCoauthorship and citation networks for statisticiansâ€. Annals of Applied Statistics, 2016, 10, .	0.5	4
17	Betti numbers of Stanleyâ€™Reisner rings determine hierarchical Markov degrees. Journal of Algebraic Combinatorics, 2013, 37, 667-682.	0.4	3
18	Random sampling in computational algebra: Helly numbers and violator spaces. Journal of Symbolic Computation, 2016, 77, 1-15.	0.5	3

#	ARTICLE	IF	CITATIONS
19	What is... a Markov Basis?. Notices of the American Mathematical Society, 2019, 66, 1.	0.1	3
20	Algebraic Statistics in Practice: Applications to Networks. Annual Review of Statistics and Its Application, 2020, 7, 227-250.	4.1	2
21	Algebraic Statistics, Tables, and Networks: The Fienberg Advantage. Springer Series in the Data Sciences, 2022, , 33-49.	0.1	1
22	Random Monomial Ideals: a Macaulay2 package. The Journal of Software ForAlgebra and Geometry: Macaulay2, 2019, 9, 65-70.	0.3	0
23	DERGMs: Degeneracy-restricted exponential family random graph models. Network Science, 0, , 1-29.	0.8	0
24	Marginal Independence Models. , 2022, , .		0