Raphael A Hauser

List of Publications by Year
in descending order

30 papers	191 citations	1307594 7 h-index	1281871 11 g-index
31 all docs	31 docs citations	31 times ranked	160 citing authors

#	Article	IF	Citations
1	MOSES: A Streaming Algorithm for Linear Dimensionality Reduction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2901-2911.	13.9	7
2	Quantifying the estimation error of principal component vectors. Information and Inference, 2020, 9, 657-675.	1.6	0
3	Principal Component Analysis by Optimization of Symmetric Functions has no Spurious Local Optima. SIAM Journal on Optimization, 2020, 30, 439-463.	2.0	0
4	Relative Robust Portfolio Optimization with benchmark regret. Quantitative Finance, 2018, 18, 1991-2003.	1.7	8
5	PCA by Determinant Optimisation has no Spurious Local Optima. , 2018, , .		0
6	An upper bound on the convergence rate of a second functional in optimal sequence alignment. Bernoulli, 2018, 24, .	1.3	1
7	Nonlinear Compressed Sensing for Multi-emitter X-Ray Imaging. Lecture Notes in Computer Science, 2018, , 189-204.	1.3	2
8	3D Image Reconstruction from X-Ray Measurements with Overlap. Lecture Notes in Computer Science, 2016, , 19-33.	1.3	4
9	Duality in Risk Aggregation. Springer Proceedings in Mathematics and Statistics, 2015, , 375-392.	0.2	0
10	Calculation of a term structure power price equilibrium with ramping constraints. Journal of Energy Markets, 2015, 8, 23-68.	0.1	1
11	Letter Change Bias and Local Uniqueness in Optimal Sequence Alignments. Journal of Statistical Physics, 2013, 153, 512-529.	1.2	3
12	Adversarial smoothed analysis. Journal of Complexity, 2010, 26, 255-262.	1.3	2
13	Conditioning of Random Conic Systems Under aÂGeneral Family of Input Distributions. Foundations of Computational Mathematics, 2009, 9, 335-358.	2.5	5
14	Approximation to the mean curve in the LCS problem. Stochastic Processes and Their Applications, 2008, 118, 629-648.	0.9	4
15	Robust methods for tracking intelligent agents playing in an artificial financial market. , 2007, , .		0
16	On the Relationship between the Convergence Rates of Iterative and Continuous Processes. SIAM Journal on Optimization, 2007, 18, 52-64.	2.0	5
17	SDP approximability of relative robust QP. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2060043-2060044.	0.2	1
18	Inferring the Composition of a Trader Population in a Financial Market. , 2007, , 99-113.		0

#	Article	IF	Citations
19	Large deviations-based upper bounds on the expected relative length of longest common subsequences. Advances in Applied Probability, 2006, 38, 827-852.	0.7	3
20	A DC-programming algorithm for kernel selection. , 2006, , .		43
21	Large deviations-based upper bounds on the expected relative length of longest common subsequences. Advances in Applied Probability, 2006, 38, 827-852.	0.7	7
22	Deducing the multi-trader population driving a financial market. , 2005, , .		0
23	Boundedness Theorems for the Relaxation Method. Mathematics of Operations Research, 2005, 30, 939-955.	1.3	5
24	Tail Decay and Moment Estimates of a Condition Number for Random Linear Conic Systems. SIAM Journal on Optimization, 2005, 15, 1237-1261.	2.0	8
25	The Continuous Newton--Raphson Method Can Look Ahead. SIAM Journal on Optimization, 2005, 15, 915-925.	2.0	15
26	The Nesterov?Todd Direction and Its Relation to Weighted Analytic Centers. Foundations of Computational Mathematics, 2004, 4, 1-40.	2.5	0
27	Self-Scaled Barriers for Irreducible Symmetric Cones. SIAM Journal on Optimization, 2002, 12, 715-723.	2.0	11
28	A historical note on the entropy principle of MÃ¼ller and Liu. Continuum Mechanics and Thermodynamics, 2002, 14, 223-226.	2.2	27
29	Self-Scaled Barrier Functions on Symmetric Cones and Their Classification. Foundations of Computational Mathematics, 2002, 2, 121-143.	2.5	17
30	Compact elements and smallest faithful representation of $Csp *$-algebras. Proceedings of the American Mathematical Society, 1995, 123, 3379-3379.	0.8	0