

# Rachel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1269251/publications.pdf>

Version: 2024-02-01

51  
papers

2,220  
citations

331259

21  
h-index

276539

41  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1769  
citing authors



#	ARTICLE	IF	CITATIONS
19	A near-stationary subspace for ridge approximation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 326, 402-421.	3.4	26
20	Clustering subgaussian mixtures by semidefinite programming. <i>Information and Inference</i> , 2017, 6, 389-415.	0.9	26
21	Extracting Structured Dynamical Systems Using Sparse Optimization With Very Few Samples. <i>Multiscale Modeling and Simulation</i> , 2020, 18, 1435-1461.	0.6	26
22	Subfunctionalization: How often does it occur? How long does it take?. <i>Theoretical Population Biology</i> , 2004, 66, 93-100.	0.5	23
23	The Local Convexity of Solving Systems of Quadratic Equations. <i>Results in Mathematics</i> , 2017, 71, 569-608.	0.4	21
24	Shape deformation in continuous map generalization. <i>Geoinformatica</i> , 2009, 13, 203-221.	2.0	19
25	Computing the confidence levels for a root-mean-square test of goodness-of-fit. <i>Applied Mathematics and Computation</i> , 2011, 217, 9072-9084.	1.4	19
26	Lower bounds for the error decay incurred by coarse quantization schemes. <i>Applied and Computational Harmonic Analysis</i> , 2012, 32, 131-138.	1.1	18
27	Recovery guarantees for exemplar-based clustering. <i>Information and Computation</i> , 2015, 245, 165-180.	0.5	18
28	On the Complexity of Mumfordâ€™Shah-Type Regularization, Viewed as a Relaxed Sparsity Constraint. <i>IEEE Transactions on Image Processing</i> , 2010, 19, 2787-2789.	6.0	12
29	Improved bounds for sparse recovery from subsampled random convolutions. <i>Annals of Applied Probability</i> , 2018, 28, .	0.6	12
30	The Sample Complexity of Weighted Sparse Approximation. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 3145-3155.	3.2	11
31	On Robustness Properties of Beta Encoders and Golden Ratio Encoders. <i>IEEE Transactions on Information Theory</i> , 2008, 54, 4324-4334.	1.5	10
32	Faster Johnsonâ€™Lindenstrauss transforms via Kronecker products. <i>Information and Inference</i> , 2021, 10, 1533-1562.	0.9	8
33	A Unified Framework for Linear Dimensionality Reduction in L1. <i>Results in Mathematics</i> , 2016, 70, 209-231.	0.4	7
34	A Symbol-Based Algorithm for Decoding Bar Codes. <i>SIAM Journal on Imaging Sciences</i> , 2013, 6, 56-77.	1.3	6
35	Recovery guarantees for polynomial coefficients from weakly dependent data with outliers. <i>Journal of Approximation Theory</i> , 2020, 259, 105472.	0.5	6
36	Testing Hardy-Weinberg equilibrium with a simple root-mean-square statistic. <i>Biostatistics</i> , 2014, 15, 74-86.	0.9	5

#	ARTICLE	IF	CITATIONS
37	An arithmetic-geometric mean inequality for products of three matrices. <i>Linear Algebra and Its Applications</i> , 2016, 488, 1-12.	0.4	5
38	MC2: a two-phase algorithm for leveraged matrix completion. <i>Information and Inference</i> , 2018, 7, 581-604.	0.9	5
39	Batched Stochastic Gradient Descent with Weighted Sampling. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017, , 279-306.	0.1	5
40	Clustering subgaussian mixtures with k-means. , 2016, , .		4
41	Concentration inequalities for random matrix products. <i>Linear Algebra and Its Applications</i> , 2020, 594, 81-94.	0.4	3
42	Compressive sensing with redundant dictionaries and structured measurements. , 2015, , .		2
43	Matrix Concentration for Products. <i>Foundations of Computational Mathematics</i> , 0, , 1.	1.5	2
44	Efficient and stable recovery of Legendre-sparse polynomials. , 2010, , .		1
45	Some deficiencies of $\chi^2$ and classical exact tests of significance. <i>Applied and Computational Harmonic Analysis</i> , 2014, 36, 361-386.	1.1	1
46	Greedy Variance Estimation for the LASSO. <i>Applied Mathematics and Optimization</i> , 2020, 82, 1161-1182.	0.8	1
47	Quiet sigma delta quantization, and global convergence for a class of asymmetric piecewise-affine maps. <i>Nonlinearity</i> , 2010, 23, 2165-2182.	0.6	0
48	Learning the second-moment matrix of a smooth function from point samples. , 2017, , .		0
49	Bias of Homotopic Gradient Descent for the Hinge Loss. <i>Applied Mathematics and Optimization</i> , 2021, 84, 621-647.	0.8	0
50	Importance sampling in signal processing applications. <i>Applied and Numerical Harmonic Analysis</i> , 2015, , 205-228.	0.1	0
51	Overparameterization and Generalization Error: Weighted Trigonometric Interpolation. <i>SIAM Journal on Mathematics of Data Science</i> , 2022, 4, 885-908.	1.0	0