

Rachel

List of Publications by Year in descending order

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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
1	Overparameterization and Generalization Error: Weighted Trigonometric Interpolation. SIAM Journal on Mathematics of Data Science, 2022, 4, 885-908.	1.0	0
2	Bias of Homotopic Gradient Descent for the Hinge Loss. Applied Mathematics and Optimization, 2021, 84, 621-647.	0.8	0
3	Faster Johnson-Lindenstrauss transforms via Kronecker products. Information and Inference, 2021, 10, 1533-1562.	0.9	8
4	Greedy Variance Estimation for the LASSO. Applied Mathematics and Optimization, 2020, 82, 1161-1182.	0.8	1
5	Recovery guarantees for polynomial coefficients from weakly dependent data with outliers. Journal of Approximation Theory, 2020, 259, 105472.	0.5	6
6	Extracting Structured Dynamical Systems Using Sparse Optimization With Very Few Samples. Multiscale Modeling and Simulation, 2020, 18, 1435-1461.	0.6	26
7	Concentration inequalities for random matrix products. Linear Algebra and Its Applications, 2020, 594, 81-94.	0.4	3
8	Extracting Sparse High-Dimensional Dynamics from Limited Data. SIAM Journal on Applied Mathematics, 2018, 78, 3279-3295.	0.8	93
9	MC2: a two-phase algorithm for leveraged matrix completion. Information and Inference, 2018, 7, 581-604.	0.9	5
10	Improved bounds for sparse recovery from subsampled random convolutions. Annals of Applied Probability, 2018, 28, .	0.6	12
11	The Local Convexity of Solving Systems of Quadratic Equations. Results in Mathematics, 2017, 71, 569-608.	0.4	21
12	A near-stationary subspace for ridge approximation. Computer Methods in Applied Mechanics and Engineering, 2017, 326, 402-421.	3.4	26
13	Exact Recovery of Chaotic Systems from Highly Corrupted Data. Multiscale Modeling and Simulation, 2017, 15, 1108-1129.	0.6	128
14	Clustering subgaussian mixtures by semidefinite programming. Information and Inference, 2017, 6, 389-415.	0.9	26
15	Learning the second-moment matrix of a smooth function from point samples. , 2017, , .		0
16	Batched Stochastic Gradient Descent with Weighted Sampling. Springer Proceedings in Mathematics and Statistics, 2017, , 279-306.	0.1	5
17	One-Bit Compressive Sensing With Norm Estimation. IEEE Transactions on Information Theory, 2016, 62, 2748-2758.	1.5	120
18	The Sample Complexity of Weighted Sparse Approximation. IEEE Transactions on Signal Processing, 2016, 64, 3145-3155.	3.2	11

#	ARTICLE	IF	CITATIONS
19	Clustering subgaussian mixtures with k-means. , 2016, , .		4
20	A Unified Framework for Linear Dimensionality Reduction in L1. Results in Mathematics, 2016, 70, 209-231.	0.4	7
21	Stochastic gradient descent, weighted sampling, and the randomized Kaczmarz algorithm. Mathematical Programming, 2016, 155, 549-573.	1.6	125
22	An arithmeticâ€“geometric mean inequality for products of three matrices. Linear Algebra and Its Applications, 2016, 488, 1-12.	0.4	5
23	Interpolation via weighted ℓ_1 minimization. Applied and Computational Harmonic Analysis, 2016, 40, 321-351.	1.1	108
24	Compressive sensing with redundant dictionaries and structured measurements. , 2015, , .		2
25	Compressive Sensing with Redundant Dictionaries and Structured Measurements. SIAM Journal on Mathematical Analysis, 2015, 47, 4606-4629.	0.9	60
26	Relax, No Need to Round. , 2015, , .		33
27	Recovery guarantees for exemplar-based clustering. Information and Computation, 2015, 245, 165-180.	0.5	18
28	Importance sampling in signal processing applications. Applied and Numerical Harmonic Analysis, 2015, , 205-228.	0.1	0
29	Testing Hardy-Weinberg equilibrium with a simple root-mean-square statistic. Biostatistics, 2014, 15, 74-86.	0.9	5
30	Stable and Robust Sampling Strategies for Compressive Imaging. IEEE Transactions on Image Processing, 2014, 23, 612-622.	6.0	145
31	Some deficiencies of χ^2 and classical exact tests of significance. Applied and Computational Harmonic Analysis, 2014, 36, 361-386.	1.1	1
32	Two-Subspace Projection Method for Coherent Overdetermined Systems. Journal of Fourier Analysis and Applications, 2013, 19, 256-269.	0.5	37
33	Stable Image Reconstruction Using Total Variation Minimization. SIAM Journal on Imaging Sciences, 2013, 6, 1035-1058.	1.3	194
34	Near-Optimal Compressed Sensing Guarantees for Total Variation Minimization. IEEE Transactions on Image Processing, 2013, 22, 3941-3949.	6.0	91
35	A Symbol-Based Algorithm for Decoding Bar Codes. SIAM Journal on Imaging Sciences, 2013, 6, 56-77.	1.3	6
36	Weighted Eigenfunction Estimates with Applications to Compressed Sensing. SIAM Journal on Mathematical Analysis, 2012, 44, 3481-3501.	0.9	26

