

Arian Maleki

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,431
citations

758635

12
h-index

610482

24
g-index

41
all docs

41
docs citations

41
times ranked

2258
citing authors

#	ARTICLE	IF	CITATIONS
1	Message-passing algorithms for compressed sensing. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18914-18919.	3.3	1,746
2	From Denoising to Compressed Sensing. IEEE Transactions on Information Theory, 2016, 62, 5117-5144.	1.5	437
3	Message passing algorithms for compressed sensing: I. motivation and construction. , 2010, , .		304
4	The Noise-Sensitivity Phase Transition in Compressed Sensing. IEEE Transactions on Information Theory, 2011, 57, 6920-6941.	1.5	186
5	Asymptotic Analysis of Complex LASSO via Complex Approximate Message Passing (CAMP). IEEE Transactions on Information Theory, 2013, 59, 4290-4308.	1.5	182
6	Optimality of large MIMO detection via approximate message passing. , 2015, , .		109
7	Message passing algorithms for compressed sensing: II. analysis and validation. , 2010, , .		74
8	Does ℓ_p -Minimization Outperform ℓ_1 -Minimization?. IEEE Transactions on Information Theory, 2017, 63, 6896-6935.	1.5	50
9	Adaptive Wavelet Transform for Image Compression via Directional Quincunx Lifting. , 2005, , .		35
10	Optimization-Based AMP for Phase Retrieval: The Impact of Initialization and ℓ_2 Regularization. IEEE Transactions on Information Theory, 2019, 65, 3600-3629.	1.5	31
11	On the performance of mismatched data detection in large MIMO systems. , 2016, , .		26
12	Analysis of approximate message passing algorithm. , 2010, , .		25
13	Minimum Complexity Pursuit for Universal Compressed Sensing. IEEE Transactions on Information Theory, 2014, 60, 2253-2268.	1.5	22
14	From compression to compressed sensing. Applied and Computational Harmonic Analysis, 2016, 40, 352-385.	1.1	21
15	Consistent parameter estimation for LASSO and approximate message passing. Annals of Statistics, 2018, 46, .	1.4	19
16	Coherence analysis of iterative thresholding algorithms. , 2009, , .		18
17	Overcoming the limitations of phase transition by higher order analysis of regularization techniques. Annals of Statistics, 2018, 46, .	1.4	18
18	A Scalable Estimate of the Out-of-Sample Prediction Error via Approximate Leave-One-Out Cross-Validation. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2020, 82, 965-996.	1.1	16

#	ARTICLE	IF	CITATIONS
19	Which bridge estimator is the best for variable selection?. Annals of Statistics, 2020, 48, .	1.4	16
20	Minimum complexity pursuit. , 2011, , .		10
21	Analysis of Spectral Methods for Phase Retrieval With Random Orthogonal Matrices. IEEE Transactions on Information Theory, 2020, 66, 5182-5203.	1.5	10
22	Consistent parameter estimation for LASSO and approximate message passing. Annals of Statistics, 2017, 45, .	1.4	9
23	An efficient algorithm for compression-based compressed sensing. Information and Inference, 2019, 8, 343-375.	0.9	8
24	Using Black-Box Compression Algorithms for Phase Retrieval. IEEE Transactions on Information Theory, 2020, 66, 7978-8001.	1.5	8
25	Spectral Method for Phase Retrieval: An Expectation Propagation Perspective. IEEE Transactions on Information Theory, 2021, 67, 1332-1355.	1.5	8
26	A near optimal coder for image geometry with adaptive partitioning. , 2008, , .		6
27	Does SLOPE outperform bridge regression?. Information and Inference, 2022, 11, 1-54.	0.9	6
28	Optimal large-MIMO data detection with transmit impairments. , 2015, , .		5
29	New approach to Bayesian high-dimensional linear regression. Information and Inference, 2018, 7, 605-655.	0.9	5
30	Rate-distortion improvement of directional wavelets by megablocking. , 2011, , .		3
31	From compression to compressed sensing. , 2013, , .		3
32	BM3D-PRGAMP: Compressive phase retrieval based on BM3D denoising. , 2016, , .		3
33	Compressive Phase Retrieval of Structured Signals. , 2018, , .		3
34	Low noise sensitivity analysis of ℓ_1 -minimization in oversampled systems. Information and Inference, 2020, 9, 113-155.	0.9	2
35	Information Theoretic Limits for Phase Retrieval With Subsampled Haar Sensing Matrices. IEEE Transactions on Information Theory, 2020, 66, 8002-8045.	1.5	2
36	Consistent Risk Estimation in Moderately High-Dimensional Linear Regression. IEEE Transactions on Information Theory, 2021, 67, 5997-6030.	1.5	2

#	ARTICLE	IF	CITATIONS
37	Mismatched Data Detection in Massive MU-MIMO. IEEE Transactions on Signal Processing, 2021, 69, 6071-6082.	3.2	2
38	Optimal Data Detection and Signal Estimation in Systems With Input Noise. IEEE Transactions on Signal Processing, 2021, 69, 5105-5119.	3.2	1
39	Tree Partitioning Compression of Piecewise Polynomial Functions. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	0
40	∈-entropy of piecewise polynomial functions and tree partitioning compression. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
41	On the Gaussianity of Kolmogorov Complexity of Mixing Sequences. IEEE Transactions on Information Theory, 2020, 66, 1232-1247.	1.5	0