

Gonzalo Mateos

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

2,124
citations

21
h-index

45
g-index

90
ext. papers

2,695
ext. citations

4.2
avg. IF

5.45
L-index

#	Paper	IF	Citations
73	Health Monitoring and Management Using Internet-of-Things (IoT) Sensing with Cloud-Based Processing: Opportunities and Challenges 2015 ,		338
72	Distributed Sparse Linear Regression. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 5262-5276	4.8	291
71	. <i>IEEE Signal Processing Magazine</i> , 2019 , 36, 16-43	9.4	138
70	Modeling and Optimization for Big Data Analytics: (Statistical) learning tools for our era of data deluge. <i>IEEE Signal Processing Magazine</i> , 2014 , 31, 18-31	9.4	128
69	Network Topology Inference from Spectral Templates. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2017 , 3, 467-483	2.8	107
68	. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 2663-2677	4.8	96
67	Distributed Recursive Least-Squares for Consensus-Based In-Network Adaptive Estimation. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 4583-4588	4.8	87
66	Dynamic Anomalography: Tracking Network Anomalies Via Sparsity and Low Rank. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2013 , 7, 50-66	7.5	82
65	Group-Lasso on Splines for Spectrum Cartography. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 4648-4663	7.1	71
64	Distributed Recursive Least-Squares: Stability and Performance Analysis. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 3740-3754	4.8	66
63	Recovery of Low-Rank Plus Compressed Sparse Matrices With Application to Unveiling Traffic Anomalies. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 5186-5205	2.8	59
62	Proximal-Gradient Algorithms for Tracking Cascades Over Social Networks. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2014 , 8, 563-575	7.5	55
61	. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 5176-5190	4.8	54
60	Blind Identification of Graph Filters. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 1146-1159	4.8	44
59	Decentralized Sparsity-Regularized Rank Minimization: Algorithms and Applications. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 5374-5388	4.8	43
58	Decentralized Learning for Wireless Communications and Networking. <i>Scientific Computation</i> , 2016 , 461-497	4.97	39
57	Rank Regularization and Bayesian Inference for Tensor Completion and Extrapolation. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 5689-5703	4.8	38

56	Performance Analysis of the Consensus-Based Distributed LMS Algorithm. <i>Eurasip Journal on Advances in Signal Processing</i> , 2009 , 2009,	1.9	36
55	Robust Nonparametric Regression via Sparsity Control With Application to Load Curve Data Cleansing. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 1571-1584	4.8	29
54	Stochastic Approximation vis-a-vis Online Learning for Big Data Analytics [Lecture Notes]. <i>IEEE Signal Processing Magazine</i> , 2014 , 31, 124-129	9.4	28
53	Load Curve Data Cleansing and Imputation Via Sparsity and Low Rank. <i>IEEE Transactions on Smart Grid</i> , 2013 , 4, 2347-2355	10.7	28
52	Network topology inference from non-stationary graph signals 2017 ,		21
51	Spline-based spectrum cartography for cognitive radios 2009 ,		21
50	Dynamic Network Cartography: Advances in Network Health Monitoring. <i>IEEE Signal Processing Magazine</i> , 2013 , 30, 129-143	9.4	19
49	. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008 ,	1.6	15
48	Beyond Blocks: Hyperbolic Community Detection. <i>Lecture Notes in Computer Science</i> , 2014 , 50-65	0.9	15
47	A digraph fourier transform with spread frequency components 2017 ,		14
46	Rank minimization for subspace tracking from incomplete data 2013 ,		12
45	2010 ,		11
44	A Directed Graph Fourier Transform With Spread Frequency Components. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 946-960	4.8	11
43	. <i>IEEE Signal Processing Magazine</i> , 2020 , 37, 99-116	9.4	9
42	Online Topology Inference from Streaming Stationary Graph Signals 2019 ,		7
41	Consensus-Based Distributed Recursive Least-Squares Estimation using Ad Hoc Wireless Sensor Networks. <i>Conference Record of the Asilomar Conference on Signals, Systems and Computers</i> , 2007 ,	0.3	6
40	Rethinking sketching as sampling: A graph signal processing approach. <i>Signal Processing</i> , 2020 , 169, 107404	4.4	6
39	Online Topology Inference from Streaming Stationary Graph Signals with Partial Connectivity Information. <i>Algorithms</i> , 2020 , 13, 228	1.8	6

38	Buildup of speaking skills in an online learning community: a network-analytic exploration. <i>Palgrave Communications</i> , 2018 , 4,	5.3	5
37	Inference of Graph Topology 2018 , 349-374		4
36	Blind identification of graph filters with sparse inputs 2015 ,		4
35	Spatiotemporal load curve data cleansing and imputation via sparsity and low rank 2012 ,		4
34	Rethinking sketching as sampling: Linear transforms of graph signals 2016 ,		4
33	Mapping Brain Structural Connectivities to Functional Networks Via Graph Encoder-Decoder With Interpretable Latent Embeddings 2019 ,		4
32	DIRECTED NETWORK TOPOLOGY INFERENCE VIA GRAPH FILTER IDENTIFICATION 2018 ,		4
31	2018 ,		4
30	Online discriminative graph learning from multi-class smooth signals. <i>Signal Processing</i> , 2021 , 186, 108104	14	4
29	2019 ,		3
28	Robust kriged Kalman filtering 2015 ,		3
27	Inference of Poisson count processes using low-rank tensor data 2013 ,		3
26	Sparsity-cognizant overlapping co-clustering for behavior inference in social networks 2010 ,		3
25	Accelerated Graph Learning From Smooth Signals. <i>IEEE Signal Processing Letters</i> , 2021 , 1-1	3.2	3
24	Network topology identification from imperfect spectral templates 2016 ,		3
23	Network topology identification from spectral templates 2016 ,		3
22	A Windowed Digraph Fourier Transform 2019 ,		2
21	2017 ,		2

20	Imputation of streaming low-rank tensor data 2014 ,		2
19	Exact recovery of low-rank plus compressed sparse matrices 2012 ,		2
18	Distributed nuclear norm minimization for matrix completion 2012 ,		2
17	Nonparametric low-rank tensor imputation 2012 ,		2
16	Closed-Form MSE Performance of the Distributed LMS Algorithm 2009 ,		2
15	EEG-Based Emotion Classification Using Graph Signal Processing 2021 ,		2
14	Blind identification of graph filters with multiple sparse inputs 2016 ,		2
13	Analysis of Target Localization With Ideal Binary Detectors via Likelihood Function Smoothing. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 737-741	3.2	2
12	Blind Identification of Invertible Graph Filters with Multiple Sparse Inputs 2018 ,		2
11	Rethinking sketching as sampling: Efficient approximate solution to linear inverse problems 2016 ,		1
10	Distributed Lasso for in-network linear regression 2010 ,		1
9	Unveiling anomalies in large-scale networks via sparsity and low rank 2011 ,		1
8	Online Graph Learning under Smoothness Priors 2021 ,		1
7	Change Point Detection in Weighted and Directed Random Dot Product Graphs 2021 ,		1
6	2019 ,		1
5	Identifying the Topology of Undirected Networks From Diffused Non-Stationary Graph Signals. <i>IEEE Open Journal of Signal Processing</i> , 2021 , 2, 171-189	1.2	1
4	United Nations General Assembly Vote Similarity Networks. <i>Studies in Computational Intelligence</i> , 2018 , 1174-1183	0.8	1
3	Online Change Point Detection for Weighted and Directed Random Dot Product Graphs. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2022 , 1-1	2.8	0

- 2 Towards Accelerated Greedy Sampling and Reconstruction of Bandlimited Graph Signals. *Signal Processing*, **2022**, 108505 4-4
- 1 On the Definition and Existence of a Minimum Variance Unbiased Estimator for Target Localization. *IEEE Signal Processing Letters*, **2016**, 23, 964-968 3-2