

Gonzalo Mateos

List of Publications by Year in Descending Order

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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	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
72	Towards Accelerated Greedy Sampling and Reconstruction of Bandlimited Graph Signals. <i>Signal Processing</i> , 2022 , 108505	4.4	
71	Online Graph Learning under Smoothness Priors 2021 ,		1
70	Change Point Detection in Weighted and Directed Random Dot Product Graphs 2021 ,		1
69	Accelerated Graph Learning From Smooth Signals. <i>IEEE Signal Processing Letters</i> , 2021 , 1-1	3.2	3
68	EEG-Based Emotion Classification Using Graph Signal Processing 2021 ,		2
67	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
66	Online discriminative graph learning from multi-class smooth signals. <i>Signal Processing</i> , 2021 , 186, 108104	4.4	4
65	. <i>IEEE Signal Processing Magazine</i> , 2020 , 37, 99-116	9.4	9
64	Rethinking sketching as sampling: A graph signal processing approach. <i>Signal Processing</i> , 2020 , 169, 107404	4.4	6
63	Online Topology Inference from Streaming Stationary Graph Signals with Partial Connectivity Information. <i>Algorithms</i> , 2020 , 13, 228	1.8	6
62	Online Topology Inference from Streaming Stationary Graph Signals 2019 ,		7
61	A Windowed Digraph Fourier Transform 2019 ,		2
60	2019 ,		3
59	. <i>IEEE Signal Processing Magazine</i> , 2019 , 36, 16-43	9.4	138
58	2019 ,		1
57	Mapping Brain Structural Connectivities to Functional Networks Via Graph Encoder-Decoder With Interpretable Latent Embeddings 2019 ,		4

56	A Directed Graph Fourier Transform With Spread Frequency Components. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 946-960	4.8	11
55	Inference of Graph Topology 2018 , 349-374		4
54	Buildup of speaking skills in an online learning community: a network-analytic exploration. <i>Palgrave Communications</i> , 2018 , 4,	5.3	5
53	United Nations General Assembly Vote Similarity Networks. <i>Studies in Computational Intelligence</i> , 2018 , 1174-1183	0.8	1
52	Blind Identification of Invertible Graph Filters with Multiple Sparse Inputs 2018 ,		2
51	DIRECTED NETWORK TOPOLOGY INFERENCE VIA GRAPH FILTER IDENTIFICATION 2018 ,		4
50	2018 ,		4
49	Blind Identification of Graph Filters. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 1146-1159	4.8	44
48	Network Topology Inference from Spectral Templates. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2017 , 3, 467-483	2.8	107
47	2017 ,		2
46	Network topology inference from non-stationary graph signals 2017 ,		21
45	A digraph fourier transform with spread frequency components 2017 ,		14
44	Rethinking sketching as sampling: Efficient approximate solution to linear inverse problems 2016 ,		1
43	Decentralized Learning for Wireless Communications and Networking. <i>Scientific Computation</i> , 2016 , 461-497	4.97	39
42	On the Definition and Existence of a Minimum Variance Unbiased Estimator for Target Localization. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 964-968	3.2	
41	Rethinking sketching as sampling: Linear transforms of graph signals 2016 ,		4
40	Network topology identification from imperfect spectral templates 2016 ,		3
39	Blind identification of graph filters with multiple sparse inputs 2016 ,		2

38	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
37	Network topology identification from spectral templates 2016 ,		3
36	. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 2663-2677	4.8	96
35	Health Monitoring and Management Using Internet-of-Things (IoT) Sensing with Cloud-Based Processing: Opportunities and Challenges 2015 ,		338
34	Robust kriged Kalman filtering 2015 ,		3
33	Blind identification of graph filters with sparse inputs 2015 ,		4
32	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
31	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
30	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
29	Imputation of streaming low-rank tensor data 2014 ,		2
28	Beyond Blocks: Hyperbolic Community Detection. <i>Lecture Notes in Computer Science</i> , 2014 , 50-65	0.9	15
27	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
26	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
25	Rank Regularization and Bayesian Inference for Tensor Completion and Extrapolation. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 5689-5703	4.8	38
24	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
23	Inference of Poisson count processes using low-rank tensor data 2013 ,		3
22	Dynamic Network Cartography: Advances in Network Health Monitoring. <i>IEEE Signal Processing Magazine</i> , 2013 , 30, 129-143	9.4	19
21	Rank minimization for subspace tracking from incomplete data 2013 ,		12

20	Decentralized Sparsity-Regularized Rank Minimization: Algorithms and Applications. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 5374-5388	4.8	43
19	Exact recovery of low-rank plus compressed sparse matrices 2012 ,		2
18	Distributed Recursive Least-Squares: Stability and Performance Analysis. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 3740-3754	4.8	66
17	Distributed nuclear norm minimization for matrix completion 2012 ,		2
16	Spatiotemporal load curve data cleansing and imputation via sparsity and low rank 2012 ,		4
15	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
14	. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 5176-5190	4.8	54
13	Nonparametric low-rank tensor imputation 2012 ,		2
12	Unveiling anomalies in large-scale networks via sparsity and low rank 2011 ,		1
11	Group-Lasso on Splines for Spectrum Cartography. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 4648-4663	4.8	71
10	Distributed Lasso for in-network linear regression 2010 ,		1
9	Sparsity-cognizant overlapping co-clustering for behavior inference in social networks 2010 ,		3
8	2010 ,		11
7	Distributed Sparse Linear Regression. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 5262-5276	4.8	291
6	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
5	Spline-based spectrum cartography for cognitive radios 2009 ,		21
4	Closed-Form MSE Performance of the Distributed LMS Algorithm 2009 ,		2
3	Performance Analysis of the Consensus-Based Distributed LMS Algorithm. <i>Eurasip Journal on Advances in Signal Processing</i> , 2009 , 2009,	1.9	36

- 2 . *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, **2008**, 1.6 15
- 1 Consensus-Based Distributed Recursive Least-Squares Estimation using Ad Hoc Wireless Sensor Networks. *Conference Record of the Asilomar Conference on Signals, Systems and Computers*, **2007**, 0.3 6