Georgios B Giannakis

List of Publications by Year
in descending order

488 papers	18,592 citations	13099 68 h-index	19190 118 g-index
490 all docs	490 docs citations	490 times ranked	11785 citing authors

#	Article	IF	Citations
1	Robust Energy Management for Microgrids With High-Penetration Renewables. IEEE Transactions on Sustainable Energy, 2013, 4, 944-953.	8.8	676
2	Distributed Optimal Power Flow for Smart Microgrids. IEEE Transactions on Smart Grid, 2013, 4, 1464-1475.	9.0	638
3	High-Performance Cooperative Demodulation With Decode-and-Forward Relays. IEEE Transactions on Communications, 2007, 55, 1427-1438.	7.8	571
4	Consensus in Ad Hoc WSNs With Noisy Linksâ€"Part I: Distributed Estimation of Deterministic Signals. IEEE Transactions on Signal Processing, 2008, 56, 350-364.	5.3	533
5	Compressed Sensing for Wideband Cognitive Radios. , 2007, , .		517
6	Distributed Robust Power System State Estimation. IEEE Transactions on Power Systems, 2013, 28, 1617-1626.	6.5	395
7	A Wavelet Approach to Wideband Spectrum Sensing for Cognitive Radios. , 2006, , .		391
8	Distributed Sparse Linear Regression. IEEE Transactions on Signal Processing, 2010, 58, 5262-5276.	5.3	388
9	Sparsity-Cognizant Total Least-Squares for Perturbed Compressive Sampling. IEEE Transactions on Signal Processing, 2011, 59, 2002-2016.	5.3	382
10	SOI-KF: Distributed Kalman Filtering With Low-Cost Communications Using the Sign of Innovations. IEEE Transactions on Signal Processing, 2006, 54, 4782-4795.	5.3	300
11	Optimal Resource Allocation for MIMO Ad Hoc Cognitive Radio Networks. IEEE Transactions on Information Theory, 2011, 57, 3117-3131.	2.4	241
12	Exploiting Sparse User Activity in Multiuser Detection. IEEE Transactions on Communications, 2011, 59, 454-465.	7.8	224
13	Optimal Dispatch of Photovoltaic Inverters in Residential Distribution Systems. IEEE Transactions on Sustainable Energy, 2014, 5, 487-497.	8.8	221
14	Online Adaptive Estimation of Sparse Signals: Where RLS Meets the ell_1-Norm. IEEE Transactions on Signal Processing, 2010, 58, 3436-3447.	5.3	214
15	Optimal Schedule of Mobile Edge Computing for Internet of Things Using Partial Information. IEEE Journal on Selected Areas in Communications, 2017, 35, 2606-2615.	14.0	208
16	Monitoring and Optimization for Power Grids: A Signal Processing Perspective. IEEE Signal Processing Magazine, 2013, 30, 107-128.	5.6	207
17	Solving Systems of Random Quadratic Equations via Truncated Amplitude Flow. IEEE Transactions on Information Theory, 2018, 64, 773-794.	2.4	196
18	Optimal and Scalable Caching for 5G Using Reinforcement Learning of Space-Time Popularities. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 180-190.	10.8	194

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19	Modeling and Optimization for Big Data Analytics: (Statistical) learning tools for our era of data deluge. IEEE Signal Processing Magazine, 2014, 31, 18-31.	5.6	185
20	Sensor-Centric Data Reduction for Estimation With WSNs via Censoring and Quantization. IEEE Transactions on Signal Processing, 2012, 60, 400-414.	5.3	182
21	Residential Load Control: Distributed Scheduling and Convergence With Lost AMI Messages. IEEE Transactions on Smart Grid, 2012, 3, 770-786.	9.0	180
22	A bibliography on nonlinear system identification. Signal Processing, 2001, 81, 533-580.	3.7	179
23	A Unified Approach to QoS-Guaranteed Scheduling for Channel-Adaptive Wireless Networks. Proceedings of the IEEE, 2007, 95, 2410-2431.	21.3	171
24	Sparse Overcomplete Representations for Efficient Identification of Power Line Outages. IEEE Transactions on Power Systems, 2012, 27, 2215-2224.	6.5	171
25	Distributed Estimation Using Reduced-Dimensionality Sensor Observations. IEEE Transactions on Signal Processing, 2007, 55, 4284-4299.	5.3	169
26	Complex Field Network Coding for Multiuser Cooperative Communications. IEEE Journal on Selected Areas in Communications, 2008, 26, 561-571.	14.0	165
27	Consensus in Ad Hoc WSNs With Noisy Linksâ€"Part II: Distributed Estimation and Smoothing of Random Signals. IEEE Transactions on Signal Processing, 2008, 56, 1650-1666.	5.3	156
28	Scalable and Robust Demand Response With Mixed-Integer Constraints. IEEE Transactions on Smart Grid, 2013, 4, 2089-2099.	9.0	152
29	Decentralized Quantized Kalman Filtering With Scalable Communication Cost. IEEE Transactions on Signal Processing, 2008, 56, 3727-3741.	5.3	142
30	Joint Multicast Beamforming and Antenna Selection. IEEE Transactions on Signal Processing, 2013, 61, 2660-2674.	5.3	141
31	Subspace Learning and Imputation for Streaming Big Data Matrices and Tensors. IEEE Transactions on Signal Processing, 2015, 63, 2663-2677.	5.3	141
32	An Online Convex Optimization Approach to Proactive Network Resource Allocation. IEEE Transactions on Signal Processing, 2017, 65, 6350-6364.	5.3	140
33	Topology Identification and Learning over Graphs: Accounting for Nonlinearities and Dynamics. Proceedings of the IEEE, 2018, 106, 787-807.	21.3	136
34	Distributed Clustering Using Wireless Sensor Networks. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 707-724.	10.8	133
35	Kernel-Based Reconstruction of Graph Signals. IEEE Transactions on Signal Processing, 2017, 65, 764-778.	5.3	132
36	Real-Time Power System State Estimation and Forecasting via Deep Unrolled Neural Networks. IEEE Transactions on Signal Processing, 2019, 67, 4069-4077.	5.3	127

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37	Set-Membership Constrained Particle Filter: Distributed Adaptation for Sensor Networks. IEEE Transactions on Signal Processing, 2011, 59, 4122-4138.	5.3	126
38	Scalable Optimization Methods for Distribution Networks With High PV Integration. IEEE Transactions on Smart Grid, 2016, 7, 2061-2070.	9.0	126
39	Distributed Recursive Least-Squares for Consensus-Based In-Network Adaptive Estimation. IEEE Transactions on Signal Processing, 2009, 57, 4583-4588.	5.3	122
40	Decentralized Optimal Dispatch of Photovoltaic Inverters in Residential Distribution Systems. IEEE Transactions on Energy Conversion, 2014, 29, 957-967.	5.2	120
41	Cooperative Spectrum Sensing for Cognitive Radios Using Kriged Kalman Filtering. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 24-36.	10.8	117
42	Resource Allocation for Wireless Multiuser OFDM Networks. IEEE Transactions on Information Theory, 2011, 57, 4359-4372.	2.4	116
43	Inference of Gene Regulatory Networks with Sparse Structural Equation Models Exploiting Genetic Perturbations. PLoS Computational Biology, 2013, 9, e1003068.	3.2	115
44	Decomposition Algorithms for Market Clearing With Large-Scale Demand Response. IEEE Transactions on Smart Grid, 2013, 4, 1976-1987.	9.0	114
45	Channel Gain Map Tracking via Distributed Kriging. IEEE Transactions on Vehicular Technology, 2011, 60, 1205-1211.	6.3	111
46	Bibliography on cyclostationarity. Signal Processing, 2005, 85, 2233-2303.	3.7	106
47	Analyzing and Optimizing Adaptive Modulation Coding Jointly With ARQ for QoS-Guaranteed Traffic. IEEE Transactions on Vehicular Technology, 2007, 56, 710-720.	6.3	105
48	Group-Lasso on Splines for Spectrum Cartography. IEEE Transactions on Signal Processing, 2011, 59, 4648-4663.	5.3	105
49	Dynamic Anomalography: Tracking Network Anomalies Via Sparsity and Low Rank. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 50-66.	10.8	102
50	Optimal Placement of Phasor Measurement Units via Convex Relaxation. IEEE Transactions on Power Systems, 2012, 27, 1521-1530.	6.5	95
51	Learning ReLU Networks on Linearly Separable Data: Algorithm, Optimality, and Generalization. IEEE Transactions on Signal Processing, 2019, 67, 2357-2370.	5.3	95
52	High-Throughput Random Access Using Successive Interference Cancellation in a Tree Algorithm. IEEE Transactions on Information Theory, 2007, 53, 4628-4639.	2.4	93
53	Sound Field Reproduction using the Lasso. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1902-1912.	3.2	93
54	Voltage Regulation Algorithms for Multiphase Power Distribution Grids. IEEE Transactions on Power Systems, 2016, 31, 3913-3923.	6.5	88

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55	Deep Reinforcement Learning for Adaptive Caching in Hierarchical Content Delivery Networks. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1024-1033.	7.9	88
56	Distributed Recursive Least-Squares: Stability and Performance Analysis. IEEE Transactions on Signal Processing, 2012, 60, 3740-3754.	5.3	87
57	Power System Nonlinear State Estimation Using Distributed Semidefinite Programming. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 1039-1050.	10.8	86
58	Power Control for Cognitive Radio Networks Under Channel Uncertainty. IEEE Transactions on Wireless Communications, 2011, 10, 3541-3551.	9.2	83
59	Sparse Phase Retrieval via Truncated Amplitude Flow. IEEE Transactions on Signal Processing, 2018, 66, 479-491.	5.3	82
60	Bandit Convex Optimization for Scalable and Dynamic IoT Management. IEEE Internet of Things Journal, 2019, 6, 1276-1286.	8.7	81
61	Real-Time Load Elasticity Tracking and Pricing for Electric Vehicle Charging. IEEE Transactions on Smart Grid, 2015, 6, 1303-1313.	9.0	77
62	Sequential and Cooperative Sensing for Multi-Channel Cognitive Radios. IEEE Transactions on Signal Processing, 2010, 58, 4239-4253.	5.3	76
63	Frequency-Domain Oversampling for Zero-Padded OFDM in Underwater Acoustic Communications. IEEE Journal of Oceanic Engineering, 2012, 37, 14-24.	3.8	76
64	Robust PCA as Bilinear Decomposition With Outlier-Sparsity Regularization. IEEE Transactions on Signal Processing, 2012, 60, 5176-5190.	5.3	75
65	RLS-weighted Lasso for adaptive estimation of sparse signals. , 2009, , .		74
66	Estimating Multiple Frequency-Hopping Signal Parameters via Sparse Linear Regression. IEEE Transactions on Signal Processing, 2010, 58, 5044-5056.	5.3	73
67	Distributed Stochastic Market Clearing With High-Penetration Wind Power. IEEE Transactions on Power Systems, 2016, 31, 895-906.	6.5	73
68	Recovery of Low-Rank Plus Compressed Sparse Matrices With Application to Unveiling Traffic Anomalies. IEEE Transactions on Information Theory, 2013, 59, 5186-5205.	2.4	72
69	Chance-Constrained Optimization of OFDMA Cognitive Radio Uplinks. IEEE Transactions on Wireless Communications, 2013, 12, 1098-1107.	9.2	72
70	Proximal-Gradient Algorithms for Tracking Cascades Over Social Networks. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 563-575.	10.8	72
71	Designing optimal pulse-shapers for ultra-wideband radios. Journal of Communications and Networks, 2003, 5, 344-353.	2.6	69
72	Learning Power Spectrum Maps From Quantized Power Measurements. IEEE Transactions on Signal Processing, 2017, 65, 2547-2560.	5.3	69

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73	Kernel-Based Structural Equation Models for Topology Identification of Directed Networks. IEEE Transactions on Signal Processing, 2017, 65, 2503-2516.	5.3	67
74	Learning and Management for Internet of Things: Accounting for Adaptivity and Scalability. Proceedings of the IEEE, 2019, 107, 778-796.	21.3	66
75	Separation Principles in Wireless Networking. IEEE Transactions on Information Theory, 2010, 56, 4488-4505.	2.4	65
76	Distributed Optimal Beamformers for Cognitive Radios Robust to Channel Uncertainties. IEEE Transactions on Signal Processing, 2012, 60, 6495-6508.	5.3	65
77	Photovoltaic Inverter Controllers Seeking AC Optimal Power Flow Solutions. IEEE Transactions on Power Systems, 2016, 31, 2809-2823.	6.5	65
78	Doubly Robust Smoothing of Dynamical Processes via Outlier Sparsity Constraints. IEEE Transactions on Signal Processing, 2011, 59, 4529-4543.	5.3	63
79	Resource Allocation for Interweave and Underlay CRs Under Probability-of-Interference Constraints. IEEE Journal on Selected Areas in Communications, 2012, 30, 1922-1933.	14.0	63
80	Robust Workload and Energy Management for Sustainable Data Centers. IEEE Journal on Selected Areas in Communications, 2016, 34, 651-664.	14.0	62
81	Sparse Volterra and Polynomial Regression Models: Recoverability and Estimation. IEEE Transactions on Signal Processing, 2011, 59, 5907-5920.	5.3	61
82	Cooling-Aware Energy and Workload Management in Data Centers via Stochastic Optimization. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 402-415.	10.8	60
83	Dynamic Resource Management for Cognitive Radios Using Limited-Rate Feedback. IEEE Transactions on Signal Processing, 2009, 57, 3651-3666.	5.3	59
84	Distributed In-Network Channel Decoding. IEEE Transactions on Signal Processing, 2009, 57, 3970-3983.	5.3	59
85	Cooperative multi-residence demand response scheduling. , 2011, , .		59
86	Distribution system state estimation: an overview of recent developments. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 4-17.	2.6	59
87	Decentralized Sparsity-Regularized Rank Minimization: Algorithms and Applications. IEEE Transactions on Signal Processing, 2013, 61, 5374-5388.	5.3	58
88	Power-Efficient Dimensionality Reduction for Distributed Channel-Aware Kalman Tracking Using WSNs. IEEE Transactions on Signal Processing, 2009, 57, 3193-3207.	5.3	55
89	Rank Regularization and Bayesian Inference for Tensor Completion and Extrapolation. IEEE Transactions on Signal Processing, 2013, 61, 5689-5703.	5.3	55
90	Non-coherent distributed space-time processing for multiuser cooperative transmissions. IEEE Transactions on Wireless Communications, 2006, 5, 3339-3343.	9.2	54

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91	Kernel-based Reconstruction of Space-time Functions on Dynamic Graphs. IEEE Journal on Selected Topics in Signal Processing, 2017, , 1-1.	10.8	54
92	Performance Analysis of the Consensus-Based Distributed LMS Algorithm. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.7	52
93	Scalable Electric Vehicle Charging Protocols. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	51
94	Phase Retrieval via Reweighted Amplitude Flow. IEEE Transactions on Signal Processing, 2018, , 1-1.	5.3	51
95	Decentralized Learning for Wireless Communications and Networking. Scientific Computation, 2016, , 461-497.	0.2	51
96	Cooperative multi-robot localization under communication constraints. , 2009, , .		50
97	Online Censoring for Large-Scale Regressions with Application to Streaming Big Data. IEEE Transactions on Signal Processing, 2016, 64, 3854-3867.	5.3	50
98	Dynamic Energy Management for Smart-Grid-Powered Coordinated Multipoint Systems. IEEE Journal on Selected Areas in Communications, 2016, 34, 1348-1359.	14.0	50
99	From Sparse Signals to Sparse Residuals for Robust Sensing. IEEE Transactions on Signal Processing, 2011, 59, 3355-3368.	5.3	48
100	Tensor Decompositions for Identifying Directed Graph Topologies and Tracking Dynamic Networks. IEEE Transactions on Signal Processing, 2017, 65, 3675-3687.	5.3	48
101	DGLB: Distributed Stochastic Geographical Load Balancing over Cloud Networks. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1866-1880.	5.6	48
102	Optimal Dispatch of Residential Photovoltaic Inverters Under Forecasting Uncertainties. IEEE Journal of Photovoltaics, 2015, 5, 350-359.	2.5	47
103	Graph Multiview Canonical Correlation Analysis. IEEE Transactions on Signal Processing, 2019, 67, 2826-2838.	5.3	47
104	Robust and Scalable Power System State Estimation via Composite Optimization. IEEE Transactions on Smart Grid, 2019, 10, 6137-6147.	9.0	47
105	Robust Clustering Using Outlier-Sparsity Regularization. IEEE Transactions on Signal Processing, 2012, 60, 4163-4177.	5.3	46
106	Nonparametric Basis Pursuit via Sparse Kernel-Based Learning: A Unifying View with Advances in Blind Methods. IEEE Signal Processing Magazine, 2013, 30, 112-125.	5.6	45
107	Power-Efficient Resource Allocation for Time-Division Multiple Access Over Fading Channels. IEEE Transactions on Information Theory, 2008, 54, 1225-1240.	2.4	44
108	Optimal Distributed Stochastic Routing Algorithms for Wireless Multihop Networks. IEEE Transactions on Wireless Communications, 2008, 7, 4261-4272.	9.2	41

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110	Online Energy Price Matrix Factorization for Power Grid Topology Tracking. IEEE Transactions on Smart Grid, 2016, 7, 1239-1248.	9.0	41
111	Estimating Traffic and Anomaly Maps via Network Tomography. IEEE/ACM Transactions on Networking, 2016, 24, 1533-1547.	3.8	41
112	Cross-layer congestion and contention control for wireless ad hoc networks. IEEE Transactions on Wireless Communications, 2008, 7, 37-42.	9.2	40
113	Sparsity-Exploiting Robust Multidimensional Scaling. IEEE Transactions on Signal Processing, 2012, 60, 4118-4134.	5.3	40
114	Ergodic Energy Management Leveraging Resource Variability in Distribution Grids. IEEE Transactions on Power Systems, 2016, 31, 4765-4775.	6.5	39
115	Sketched Subspace Clustering. IEEE Transactions on Signal Processing, 2018, 66, 1663-1675.	5.3	39
116	Distributed Online Optimization of Fog Computing for Selfish Devices With Out-of-Date Information. IEEE Transactions on Wireless Communications, 2018, 17, 7704-7717.	9.2	39
117	Load Curve Data Cleansing and Imputation Via Sparsity and Low Rank. IEEE Transactions on Smart Grid, 2013, 4, 2347-2355.	9.0	38
118	Dynamic Resource Allocation for Smart-Grid Powered MIMO Downlink Transmissions. IEEE Journal on Selected Areas in Communications, 2016, 34, 3354-3365.	14.0	38
119	Stochastic Averaging for Constrained Optimization With Application to Online Resource Allocation. IEEE Transactions on Signal Processing, 2017, 65, 3078-3093.	5.3	38
120	Optimal Cross-Layer Resource Allocation in Cellular Networks Using Channel- and Queue-State Information. IEEE Transactions on Vehicular Technology, 2012, 61, 2789-2807.	6.3	37
121	Semi-Blind Inference of Topologies and Dynamical Processes Over Dynamic Graphs. IEEE Transactions on Signal Processing, 2019, 67, 2263-2274.	5.3	37
122	Minimizing Transmit Power for Coherent Communications in Wireless Sensor Networks With Finite-Rate Feedback. IEEE Transactions on Signal Processing, 2008, 56, 4446-4457.	5.3	36
123	Robust Nonparametric Regression via Sparsity Control With Application to Load Curve Data Cleansing. IEEE Transactions on Signal Processing, 2012, 60, 1571-1584.	5.3	36
124	Reinforcement Learning for Adaptive Caching With Dynamic Storage Pricing. IEEE Journal on Selected Areas in Communications, 2019, 37, 2267-2281.	14.0	36
125	Real-Time Energy Management in Microgrids With Reduced Battery Capacity Requirements. IEEE Transactions on Smart Grid, 2019, 10, 1928-1938.	9.0	36
126	Robust optimal power flow with wind integration using conditional value-at-risk. , 2013, , .		35

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127	Grid topology identification using electricity prices. , 2014, , .		35
128	Two-Scale Stochastic Control for Integrated Multipoint Communication Systems With Renewables. IEEE Transactions on Smart Grid, 2018, 9, 1822-1834.	9.0	35
129	Blind Radio Tomography. IEEE Transactions on Signal Processing, 2018, 66, 2055-2069.	5.3	34
130	Robust network traffic estimation via sparsity and low rank. , 2013, , .		33
131	Stochastic Approximation vis-a-vis Online Learning for Big Data Analytics [Lecture Notes]. IEEE Signal Processing Magazine, 2014, 31, 124-129.	5.6	33
132	Channel Gain Cartography for Cognitive Radios Leveraging Low Rank and Sparsity. IEEE Transactions on Wireless Communications, 2017, 16, 5953-5966.	9.2	33
133	Tracking Switched Dynamic Network Topologies From Information Cascades. IEEE Transactions on Signal Processing, 2017, 65, 985-997.	5.3	33
134	Scheduling of EV Battery Swappingâ€"Part II: Distributed Solutions. IEEE Transactions on Control of Network Systems, 2018, 5, 1920-1930.	3.7	33
135	Residential demand response with interruptible tasks: Duality and algorithms. , 2011, , .		32
136	Scalable Solvers of Random Quadratic Equations via Stochastic Truncated Amplitude Flow. IEEE Transactions on Signal Processing, 2017, 65, 1961-1974.	5.3	32
137	Cross-Layer Designs in Coded Wireless Fading Networks With Multicast. IEEE/ACM Transactions on Networking, 2011, 19, 1276-1289.	3.8	31
138	Robust Smart-Grid-Powered Cooperative Multipoint Systems. IEEE Transactions on Wireless Communications, 2015, 14, 6188-6199.	9.2	31
139	Power control for cooperative dynamic spectrum access networks with diverse QoS constraints. IEEE Transactions on Communications, 2010, 58, 933-944.	7.8	30
140	Estimating the state of AC power systems using semidefinite programming. , 2011, , .		30
141	Prediction of Partially Observed Dynamical Processes Over Networks via Dictionary Learning. IEEE Transactions on Signal Processing, 2014, 62, 3305-3320.	5.3	30
142	Power System State Estimation via Feasible Point Pursuit: Algorithms and CramÃ©r-Rao Bound. IEEE Transactions on Signal Processing, 2018, 66, 1649-1658.	5.3	30
143	Inference of Spatio-Temporal Functions Over Graphs via Multikernel Kriged Kalman Filtering. IEEE Transactions on Signal Processing, 2018, 66, 3228-3239.	5.3	30
144	Nonlinear Structural Vector Autoregressive Models With Application to Directed Brain Networks. IEEE Transactions on Signal Processing, 2019, 67, 5325-5339.	5.3	30

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145	Complex field coded MIMO systems: performance, rate, and trade-offs. Wireless Communications and Mobile Computing, 2002, 2, 693-717.	1.2	29
146	Mutual Information Jammer-Relay Games. IEEE Transactions on Information Forensics and Security, 2008, 3, 290-303.	6.9	29
147	Online Graph-Adaptive Learning With Scalability and Privacy. IEEE Transactions on Signal Processing, 2019, 67, 2471-2483.	5.3	29
148	Distributed feature-based modulation classification using wireless sensor networks. , 2008, , .		27
149	Consensus-based distributed expectation-maximization algorithm for density estimation and classification using wireless sensor networks. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	27
150	Optimization of unbalanced power distribution networks via semidefinite relaxation. , 2012, , .		27
151	Sparse Parametric Models for Robust Nonstationary Signal Analysis: Leveraging the Power of Sparse Regression. IEEE Signal Processing Magazine, 2013, 30, 64-73.	5.6	27
152	Resource Allocation for OFDMA Cognitive Radios Under Channel Uncertainty. IEEE Transactions on Wireless Communications, 2013, 12, 3578-3587.	9.2	27
153	Risk-Constrained Microgrid Reconfiguration Using Group Sparsity. IEEE Transactions on Sustainable Energy, 2014, 5, 1415-1425.	8.8	27
154	Secure Mobile Edge Computing in IoT via Collaborative Online Learning. IEEE Transactions on Signal Processing, 2019, 67, 5922-5935.	5.3	27
155	Energy-Constrained Optimal Quantization for Wireless Sensor Networks. Eurasip Journal on Advances in Signal Processing, 2007, 2008, .	1.7	26
156	Distributed Scheduling and Resource Allocation for Cognitive OFDMA Radios. Mobile Networks and Applications, 2008, 13, 452-462.	3.3	26
157	CRC-assisted error correction in a convolutionally coded system. IEEE Transactions on Communications, 2008, 56, 1807-1815.	7.8	26
158	Covariance Eigenvector Sparsity for Compression and Denoising. IEEE Transactions on Signal Processing, 2012, 60, 2408-2421.	5.3	26
159	Canonical Correlation Analysis of Datasets With a Common Source Graph. IEEE Transactions on Signal Processing, 2018, 66, 4398-4408.	5.3	26
160	Multi-source cooperation with full-diversity spectral-efficiency and controllable-complexity. IEEE Journal on Selected Areas in Communications, 2007, 25, 415-425.	14.0	25
161	A class of convergent algorithms for resource allocation in wireless fading networks. IEEE Transactions on Wireless Communications, 2010, 9, 1808-1823.	9.2	25
162	Heterogeneous Online Learning for "Thing-Adaptive" Fog Computing in IoT. IEEE Internet of Things Journal, 2018, 5, 4328-4341.	8.7	25

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163	Digital-carrier multi-band user codes for baseband UWB multiple access. Journal of Communications and Networks, 2003, 5, 374-385.	2.6	24
164	Rate-optimal and reduced-complexity sequential sensing algorithms for cognitive OFDM radios. , 2009, , .		24
165	Sparse graphical modeling of piecewise-stationary time series. , 2011, , .		24
166	Sketch and Validate for Big Data Clustering. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 678-690.	10.8	23
167	Joint Community and Anomaly Tracking in Dynamic Networks. IEEE Transactions on Signal Processing, 2016, 64, 2013-2025.	5.3	23
168	Cooperative synchronization and channel estimation in wireless sensor networks. Journal of Communications and Networks, 2005, 7, 284-293.	2.6	22
169	Cross-layer modeling of adaptive wireless links for QoS support in heterogeneous wired-wireless networks. Wireless Networks, 2006, 12, 427-437.	3.0	22
170	Risk-constrained energy management with multiple wind farms. , 2013, , .		22
171	Performance Bounds for the Rate-Constrained Universal Decentralized Estimators. IEEE Signal Processing Letters, 2007, 14, 47-50.	3.6	21
172	Noncoherent Ultra-Wideband (De)Modulation. IEEE Transactions on Communications, 2007, 55, 810-819.	7.8	21
173	Utility-based power control for peer-to-peer cognitive radio networks with heterogeneous QoS constraints. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	21
174	Robust RLS in the Presence of Correlated Noise Using Outlier Sparsity. IEEE Transactions on Signal Processing, 2012, 60, 3308-3313.	5.3	21
175	Group lassoing change-points in piecewise-constant AR processes. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	21
176	Backhaul-constrained multi-cell cooperation using compressive sensing and spectral clustering. , 2012, , .		21
177	Signal Processing for Big Data [From the Guest Editors]. IEEE Signal Processing Magazine, 2014, 31, 15-16.	5.6	21
178	Electricity Market Forecasting via Low-Rank Multi-Kernel Learning. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 1182-1193.	10.8	21
179	Efficient Decentralized Economic Dispatch for Microgrids with Wind Power Integration. , 2014, , .		21
180	Communication-Efficient Policy Gradient Methods for Distributed Reinforcement Learning. IEEE Transactions on Control of Network Systems, 2022, 9, 917-929.	3.7	21

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181	Power-Efficient Resource Allocation and Quantization for TDMA Using Adaptive Transmission and Limited-Rate Feedback. IEEE Transactions on Signal Processing, 2008, 56, 4470-4485.	5.3	20
182	Particle filter adaptation for distributed sensors via set membership. , 2010, , .		20
183	Learn-and-Adapt Stochastic Dual Gradients for Network Resource Allocation. IEEE Transactions on Control of Network Systems, 2018, 5, 1941-1951.	3.7	20
184	Resonant Beam Communications: Principles and Designs. IEEE Communications Magazine, 2019, 57, 34-39.	6.1	20
185	Adaptive Bayesian Radio Tomography. IEEE Transactions on Signal Processing, 2019, 67, 1964-1977.	5.3	20
186	A Robust High-Throughput Tree Algorithm Using Successive Interference Cancellation. IEEE Transactions on Communications, 2007, 55, 2253-2256.	7.8	19
187	Sparsity-Leveraging Reconfiguration of Smart Distribution Systems. IEEE Transactions on Power Delivery, 2014, 29, 1417-1426.	4.3	19
188	High-Throughput Cooperative Communications with Complex Field Network Coding. , 2007, , .		18
189	Distributed measurement censoring for estimation with wireless sensor networks. , 2011, , .		18
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192	Blind Multiclass Ensemble Classification. IEEE Transactions on Signal Processing, 2018, 66, 4737-4752.	5.3	18
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