

Georgios B Giannakis

List of Publications by Year in descending order

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488
papers

18,592
citations

13068

68
h-index

19136

118
g-index

490
all docs

490
docs citations

490
times ranked

11785
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Domain Generalization of Kron Reduction. , 2023, 7, 259-264.		1
2	Communication-Efficient Policy Gradient Methods for Distributed Reinforcement Learning. IEEE Transactions on Control of Network Systems, 2022, 9, 917-929.	2.4	21
3	Unsupervised Ensemble Classification With Sequential and Networked Data. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5009-5022.	4.0	3
4	Ensemble Gaussian Processes for Online Learning Over Graphs With Adaptivity and Scalability. IEEE Transactions on Signal Processing, 2022, 70, 17-30.	3.2	12
5	Resonant Beam Communications With Echo Interference Elimination. IEEE Internet of Things Journal, 2021, 8, 2875-2885.	5.5	2
6	Simultaneous Mobile Information and Power Transfer by Resonant Beam. IEEE Transactions on Signal Processing, 2021, 69, 2766-2778.	3.2	15
7	A Momentum-Guided Frank-Wolfe Algorithm. IEEE Transactions on Signal Processing, 2021, 69, 3597-3611.	3.2	9
8	End-to-End Transmission Analysis of Simultaneous Wireless Information and Power Transfer Using Resonant Beam. IEEE Transactions on Signal Processing, 2021, 69, 3642-3652.	3.2	6
9	Bayesian Crowdsourcing with Constraints. Lecture Notes in Computer Science, 2021, , 543-559.	1.0	0
10	Cross Service Providers Workload Balancing for Data Centers in Deregulated Electricity Markets. IEEE Transactions on Control of Network Systems, 2021, 8, 803-815.	2.4	3
11	Identifying Spammers to Boost Crowdsourced Classification. , 2021, , .		2
12	Bayesian constrained decision fusion. , 2021, , .		0
13	On-Policy Reinforcement Learning via Ensemble Gaussian Processes with Application to Resource Allocation. , 2021, , .		3
14	Detecting adversaries in Crowdsourcing. , 2021, , .		2
15	Tensor Graph Convolutional Networks for Multi-Relational and Robust Learning. IEEE Transactions on Signal Processing, 2020, 68, 6535-6546.	3.2	17
16	Resilient to Byzantine Attacks Finite-Sum Optimization Over Networks. , 2020, , .		0
17	Graph-based Learning under Perturbations via Total Least-Squares. IEEE Transactions on Signal Processing, 2020, 68, 1-1.	3.2	5
18	Channel-Dependent Scheduling in Wireless Energy Transfer for Mobile Devices. IEEE Transactions on Vehicular Technology, 2020, 69, 3330-3340.	3.9	6

#	ARTICLE	IF	CITATIONS
19	Self-Driven Graph Volterra Models for Higher-Order Link Prediction. , 2020, , .		5
20	Hierarchical Caching via Deep Reinforcement Learning. , 2020, , .		2
21	Active Learning with Unsupervised Ensembles of Classifiers. , 2020, , .		0
22	Power System State Estimation Using Gauss-Newton Unrolled Neural Networks with Trainable Priors. , 2020, , .		3
23	Deep Policy Gradient for Reactive Power Control in Distribution Systems. , 2020, , .		2
24	Bandit Convex Optimization for Scalable and Dynamic IoT Management. IEEE Internet of Things Journal, 2019, 6, 1276-1286.	5.5	81
25	Mobile Energy Transfer in Internet of Things. IEEE Internet of Things Journal, 2019, 6, 9012-9019.	5.5	15
26	Reinforcement Learning for Adaptive Caching With Dynamic Storage Pricing. IEEE Journal on Selected Areas in Communications, 2019, 37, 2267-2281.	9.7	36
27	Real-Time Power System State Estimation and Forecasting via Deep Unrolled Neural Networks. IEEE Transactions on Signal Processing, 2019, 67, 4069-4077.	3.2	127
28	Distribution System State Estimation Via Data-Driven and Physics-Aware Deep Neural Networks. , 2019, , .		5
29	Resonant Beam Communications: Principles and Designs. IEEE Communications Magazine, 2019, 57, 34-39.	4.9	20
30	Secure Mobile Edge Computing in IoT via Collaborative Online Learning. IEEE Transactions on Signal Processing, 2019, 67, 5922-5935.	3.2	27
31	Multi-Timescale Online Optimization of Network Function Virtualization for Service Chaining. IEEE Transactions on Mobile Computing, 2019, 18, 2899-2912.	3.9	18
32	Matrix Completion and Extrapolation via Kernel Regression. IEEE Transactions on Signal Processing, 2019, 67, 5004-5017.	3.2	6
33	Semi-Supervised Tracking of Dynamic Processes Over Switching Graphs. , 2019, , .		7
34	Nonlinear Structural Vector Autoregressive Models With Application to Directed Brain Networks. IEEE Transactions on Signal Processing, 2019, 67, 5325-5339.	3.2	30
35	Efficient proximal gradient algorithm for inference of differential gene networks. BMC Bioinformatics, 2019, 20, 224.	1.2	3
36	Graph Multiview Canonical Correlation Analysis. IEEE Transactions on Signal Processing, 2019, 67, 2826-2838.	3.2	47

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37	Semi-Blind Inference of Topologies and Dynamical Processes Over Dynamic Graphs. IEEE Transactions on Signal Processing, 2019, 67, 2263-2274.	3.2	37
38	Adaptive Bayesian Radio Tomography. IEEE Transactions on Signal Processing, 2019, 67, 1964-1977.	3.2	20
39	Learning ReLU Networks on Linearly Separable Data: Algorithm, Optimality, and Generalization. IEEE Transactions on Signal Processing, 2019, 67, 2357-2370.	3.2	95
40	Online Graph-Adaptive Learning With Scalability and Privacy. IEEE Transactions on Signal Processing, 2019, 67, 2471-2483.	3.2	29
41	Robust and Scalable Power System State Estimation via Composite Optimization. IEEE Transactions on Smart Grid, 2019, 10, 6137-6147.	6.2	47
42	Learning and Management for Internet of Things: Accounting for Adaptivity and Scalability. Proceedings of the IEEE, 2019, 107, 778-796.	16.4	66
43	Nonlinear Dimensionality Reduction for Discriminative Analytics of Multiple Datasets. IEEE Transactions on Signal Processing, 2019, 67, 740-752.	3.2	16
44	Distribution system state estimation: an overview of recent developments. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 4-17.	1.5	59
45	Deep Reinforcement Learning for Adaptive Caching in Hierarchical Content Delivery Networks. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1024-1033.	4.9	88
46	Two-Timescale Voltage Regulation in Distribution Grids Using Deep Reinforcement Learning. , 2019, , .		6
47	Adaptive Diffusions for Scalable Learning Over Graphs. IEEE Transactions on Signal Processing, 2019, 67, 1307-1321.	3.2	17
48	Robust Power System State Estimation From Rank-One Measurements. IEEE Transactions on Control of Network Systems, 2019, 6, 1391-1403.	2.4	11
49	Real-Time Energy Management in Microgrids With Reduced Battery Capacity Requirements. IEEE Transactions on Smart Grid, 2019, 10, 1928-1938.	6.2	36
50	Power System State Estimation via Feasible Point Pursuit: Algorithms and Cram�r-Rao Bound. IEEE Transactions on Signal Processing, 2018, 66, 1649-1658.	3.2	30
51	Large-Scale Kernel-Based Feature Extraction via Low-Rank Subspace Tracking on a Budget. IEEE Transactions on Signal Processing, 2018, 66, 1967-1981.	3.2	9
52	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.	7.3	194
53	Decentralized RLS With Data-Adaptive Censoring for Regressions Over Large-Scale Networks. IEEE Transactions on Signal Processing, 2018, 66, 1634-1648.	3.2	14
54	Blind Radio Tomography. IEEE Transactions on Signal Processing, 2018, 66, 2055-2069.	3.2	34

#	ARTICLE	IF	CITATIONS
55	Learn-and-Adapt Stochastic Dual Gradients for Network Resource Allocation. IEEE Transactions on Control of Network Systems, 2018, 5, 1941-1951.	2.4	20
56	Sketched Subspace Clustering. IEEE Transactions on Signal Processing, 2018, 66, 1663-1675.	3.2	39
57	Topology Identification and Learning over Graphs: Accounting for Nonlinearities and Dynamics. Proceedings of the IEEE, 2018, 106, 787-807.	16.4	136
58	Sparse Phase Retrieval via Truncated Amplitude Flow. IEEE Transactions on Signal Processing, 2018, 66, 479-491.	3.2	82
59	Scheduling of EV Battery Swappingâ€”Part II: Distributed Solutions. IEEE Transactions on Control of Network Systems, 2018, 5, 1920-1930.	2.4	33
60	Phase Retrieval via Reweighted Amplitude Flow. IEEE Transactions on Signal Processing, 2018, , 1-1.	3.2	51
61	Two-Scale Stochastic Control for Integrated Multipoint Communication Systems With Renewables. IEEE Transactions on Smart Grid, 2018, 9, 1822-1834.	6.2	35
62	Two-Timescale Stochastic Dispatch of Smart Distribution Grids. IEEE Transactions on Smart Grid, 2018, 9, 4282-4292.	6.2	9
63	REAL-TIME POWER SYSTEM STATE ESTIMATION VIA DEEP UNROLLED NEURAL NETWORKS. , 2018, , .		7
64	Fast Decentralized Learning Via Hybrid Consensus Admm. , 2018, , .		2
65	AdaDIF: Adaptive Diffusions for Efficient Semi-supervised Learning over Graphs. , 2018, , .		1
66	Blind Multi-class Ensemble Learning with Dependent Classifiers. , 2018, , .		4
67	Graph-aware Weighted Hybrid ADMM for Fast Decentralized Optimization. , 2018, , .		0
68	Online identification of directional graph topologies capturing dynamic and nonlinear dependencies. , 2018, , .		11
69	FAST ASYNCHRONOUS DECENTRALIZED OPTIMIZATION: ALLOWING MULTIPLE MASTERS. , 2018, , .		2
70	Sparse Phase Retrieval Via Iteratively Reweighted Amplitude Flow. , 2018, , .		2
71	Nonlinear Discriminative Dimensionality Reduction of Multiple Datasets. , 2018, , .		0
72	Hybrid ADMM: a unifying and fast approach to decentralized optimization. Eurasip Journal on Advances in Signal Processing, 2018, 2018, .	1.0	16

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73	Secure Edge Computing in IoT via Online Learning. , 2018, , .		9
74	Adaptive Bayesian Channel Gain Cartography. , 2018, , .		4
75	Online Multi-Kernel Learning with Orthogonal Random Features. , 2018, , .		4
76	Signal and Graph Perturbations via Total Least-Squares. , 2018, , .		2
77	Random Walks with Restarts for Graph-Based Classification: Teleportation Tuning and Sampling Design. , 2018, , .		2
78	Identification of Overlapping Communities via Constrained Egonet Tensor Decomposition. IEEE Transactions on Signal Processing, 2018, 66, 5730-5745.	3.2	17
79	Data-Adaptive Active Sampling for Efficient Graph-Cognizant Classification. IEEE Transactions on Signal Processing, 2018, 66, 5167-5179.	3.2	4
80	Harnessing Bandit Online Learning to Low-Latency Fog Computing. , 2018, , .		5
81	Fully Automatic Segmentation of the Right Ventricle Via Multi-Task Deep Neural Networks. , 2018, 2018, 6677-6681.		15
82	Kernel-Based Semi-Supervised Learning Over Multilayer Graphs. , 2018, , .		6
83	Distributed Online Optimization of Fog Computing for Selfish Devices With Out-of-Date Information. IEEE Transactions on Wireless Communications, 2018, 17, 7704-7717.	6.1	39
84	Online Learning Adaptive to Dynamic and Adversarial Environments. , 2018, , .		2
85	Optimal Dynamic Proactive Caching Via Reinforcement Learning. , 2018, , .		9
86	Inference of Spatio-Temporal Functions Over Graphs via Multikernel Kriged Kalman Filtering. IEEE Transactions on Signal Processing, 2018, 66, 3228-3239.	3.2	30
87	Solving Systems of Random Quadratic Equations via Truncated Amplitude Flow. IEEE Transactions on Information Theory, 2018, 64, 773-794.	1.5	196
88	Heterogeneous Online Learning for "Thing-Adaptive" Fog Computing in IoT. IEEE Internet of Things Journal, 2018, 5, 4328-4341.	5.5	25
89	Blind Multiclass Ensemble Classification. IEEE Transactions on Signal Processing, 2018, 66, 4737-4752.	3.2	18
90	Canonical Correlation Analysis of Datasets With a Common Source Graph. IEEE Transactions on Signal Processing, 2018, 66, 4398-4408.	3.2	26

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91	Compressive Phase Retrieval via Reweighted Amplitude Flow. IEEE Transactions on Signal Processing, 2018, 66, 5029-5040.	3.2	16
92	Kernel-Based Inference of Functions Over Graphs. , 2018, , 173-198.		17
93	Kernel-Based Structural Equation Models for Topology Identification of Directed Networks. IEEE Transactions on Signal Processing, 2017, 65, 2503-2516.	3.2	67
94	Online Categorical Subspace Learning for Sketching Big Data with Misses. IEEE Transactions on Signal Processing, 2017, 65, 4004-4018.	3.2	14
95	Tensor Decompositions for Identifying Directed Graph Topologies and Tracking Dynamic Networks. IEEE Transactions on Signal Processing, 2017, 65, 3675-3687.	3.2	48
96	Data Sketching for Large-Scale Kalman Filtering. IEEE Transactions on Signal Processing, 2017, 65, 3688-3701.	3.2	15
97	Stochastic Averaging for Constrained Optimization With Application to Online Resource Allocation. IEEE Transactions on Signal Processing, 2017, 65, 3078-3093.	3.2	38
98	Learning Power Spectrum Maps From Quantized Power Measurements. IEEE Transactions on Signal Processing, 2017, 65, 2547-2560.	3.2	69
99	Scalable Solvers of Random Quadratic Equations via Stochastic Truncated Amplitude Flow. IEEE Transactions on Signal Processing, 2017, 65, 1961-1974.	3.2	32
100	DGLB: Distributed Stochastic Geographical Load Balancing over Cloud Networks. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1866-1880.	4.0	48
101	An Online Convex Optimization Approach to Proactive Network Resource Allocation. IEEE Transactions on Signal Processing, 2017, 65, 6350-6364.	3.2	140
102	Optimal Schedule of Mobile Edge Computing for Internet of Things Using Partial Information. IEEE Journal on Selected Areas in Communications, 2017, 35, 2606-2615.	9.7	208
103	Channel Gain Cartography for Cognitive Radios Leveraging Low Rank and Sparsity. IEEE Transactions on Wireless Communications, 2017, 16, 5953-5966.	6.1	33
104	Kernel-based Reconstruction of Space-time Functions on Dynamic Graphs. IEEE Journal on Selected Topics in Signal Processing, 2017, , 1-1.	7.3	54
105	SPARTA: Sparse phase retrieval via Truncated Amplitude flow. , 2017, , .		9
106	Kernel-Based Reconstruction of Graph Signals. IEEE Transactions on Signal Processing, 2017, 65, 764-778.	3.2	132
107	Tracking Switched Dynamic Network Topologies From Information Cascades. IEEE Transactions on Signal Processing, 2017, 65, 985-997.	3.2	33
108	Learn-and-adapt network resource allocation. , 2017, , .		2

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109	Distributed Stochastic Optimization of Network Function Virtualization. , 2017, , .		6
110	Solving large-scale systems of random quadratic equations via stochastic truncated amplitude flow. , 2017, , .		6
111	Distributed recursive least-squares with data-adaptive censoring. , 2017, , .		4
112	Overlapping Community Detection via Constrained PARAFAC: A Divide and Conquer Approach. , 2017, , .		6
113	Learning from unequally reliable blind ensembles of classifiers. , 2017, , .		5
114	Multi-kernel change detection for dynamic functional connectivity graphs. , 2017, , .		5
115	Going beyond linear dependencies to unveil connectivity of meshed grids. , 2017, , .		14
116	Real-time energy management with improved cost-capacity tradeoff. , 2017, , .		0
117	Inference of spatiotemporal processes over graphs via kernel kriged Kalman filtering. , 2017, , .		2
118	Online learning for "œthing-adaptive" Fog Computing in IoT. , 2017, , .		8
119	Distributed sketched subspace clustering for large-scale datasets. , 2017, , .		0
120	Online convex optimization for dynamic network resource allocation. , 2017, , .		4
121	Network topology inference via elastic net structural equation models. , 2017, , .		7
122	Topology inference of directed graphs using nonlinear structural vector autoregressive models. , 2017, , .		13
123	Directed network topology inference via sparse joint diagonalization. , 2017, , .		2
124	Soft unveiling of communities via egonet tensors. , 2017, , .		0
125	Scalable kernel-based learning via low-rank approximation of lifted data. , 2017, , .		1
126	Robust clustering of data collected via crowdsourcing. , 2017, , .		1

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127	Semi-parametric graph kernel-based reconstruction. , 2017, , .		4
128	Nonlinear dimensionality reduction on graphs. , 2017, , .		14
129	Topology inference of multilayer networks. , 2017, , .		9
130	Active sampling for graph-aware classification. , 2017, , .		3
131	Randomized Block Frank-Wolfe for Convergent Large-Scale Learning. IEEE Transactions on Signal Processing, 2017, 65, 6448-6461.	3.2	14
132	Performance bounds of estimators in molecular communications under structural constraints. , 2017, , .		0
133	Stochastic energy management in distribution grids. , 2016, , .		1
134	Scalable Electric Vehicle Charging Protocols. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	51
135	Online dictionary learning from large-scale binary data. , 2016, , .		3
136	Two-Scale Stochastic Control for Smart-Grid Powered Coordinated Multi-Point Systems. , 2016, , .		0
137	A generalized Frank-wolfe approach to decentralized electric vehicle charging. , 2016, , .		3
138	Online Censoring for Large-Scale Regressions with Application to Streaming Big Data. IEEE Transactions on Signal Processing, 2016, 64, 3854-3867.	3.2	50
139	Weighted Sum-Rate Maximization for MIMO Downlink Systems Powered by Renewables. IEEE Transactions on Wireless Communications, 2016, 15, 5615-5625.	6.1	13
140	Scalable Optimization Methods for Distribution Networks With High PV Integration. IEEE Transactions on Smart Grid, 2016, 7, 2061-2070.	6.2	126
141	Estimating signals over graphs via multi-kernel learning. , 2016, , .		4
142	Robust geographical load balancing for sustainable data centers. , 2016, , .		7
143	Stochastic online control for smart-grid powered MIMO downlink transmissions. , 2016, , .		2
144	Fast convergent algorithms for multi-kernel regression. , 2016, , .		5

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145	Estimating high-dimensional covariance matrices with misses for Kronecker product expansion models. , 2016, , .		1
146	Dynamic Resource Allocation for Smart-Grid Powered MIMO Downlink Transmissions. IEEE Journal on Selected Areas in Communications, 2016, 34, 3354-3365.	9.7	38
147	Inferring directed network topologies via tensor factorization. , 2016, , .		7
148	A randomized approach to large-scale subspace clustering. , 2016, , .		3
149	Kernel-based reconstruction of space-time functions via extended graphs. , 2016, , .		5
150	Quickest convergence of online algorithms via data selection. , 2016, , .		3
151	Nonlinear structural equation models for network topology inference. , 2016, , .		8
152	Efficient subspace clustering of large-scale data streams with misses. , 2016, , .		4
153	Dynamic Energy Management for Smart-Grid-Powered Coordinated Multipoint Systems. IEEE Journal on Selected Areas in Communications, 2016, 34, 1348-1359.	9.7	50
154	Voltage Regulation Algorithms for Multiphase Power Distribution Grids. IEEE Transactions on Power Systems, 2016, 31, 3913-3923.	4.6	88
155	Cooling-Aware Energy and Workload Management in Data Centers via Stochastic Optimization. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 402-415.	7.3	60
156	Robust Workload and Energy Management for Sustainable Data Centers. IEEE Journal on Selected Areas in Communications, 2016, 34, 651-664.	9.7	62
157	Backhaul-Constrained Multicell Cooperation Leveraging Sparsity and Spectral Clustering. IEEE Transactions on Wireless Communications, 2016, 15, 899-912.	6.1	14
158	Ergodic Energy Management Leveraging Resource Variability in Distribution Grids. IEEE Transactions on Power Systems, 2016, 31, 4765-4775.	4.6	39
159	Joint Community and Anomaly Tracking in Dynamic Networks. IEEE Transactions on Signal Processing, 2016, 64, 2013-2025.	3.2	23
160	Photovoltaic Inverter Controllers Seeking AC Optimal Power Flow Solutions. IEEE Transactions on Power Systems, 2016, 31, 2809-2823.	4.6	65
161	Online Energy Price Matrix Factorization for Power Grid Topology Tracking. IEEE Transactions on Smart Grid, 2016, 7, 1239-1248.	6.2	41
162	Estimating Traffic and Anomaly Maps via Network Tomography. IEEE/ACM Transactions on Networking, 2016, 24, 1533-1547.	2.6	41

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163	Distributed Stochastic Market Clearing With High-Penetration Wind Power. IEEE Transactions on Power Systems, 2016, 31, 895-906.	4.6	73
164	Decentralized Learning for Wireless Communications and Networking. Scientific Computation, 2016, , 461-497.	0.2	51
165	Dynamic and decentralized learning of overlapping network communities. , 2015, , .		0
166	Energy and workload management for data centers in renewable-integrated power grid. , 2015, , .		3
167	Optimal Dynamic Power Management for Green Coordinated Multipoint Systems. , 2015, , .		0
168	Fast localized voltage regulation in single-phase distribution grids. , 2015, , .		14
169	Online spectrum cartography via quantized measurements. , 2015, , .		6
170	Robust kriged Kalman filtering. , 2015, , .		3
171	Data sketching for tracking large-scale dynamical processes. , 2015, , .		0
172	Online sketching for big data subspace learning. , 2015, , .		1
173	Kernel-based low-rank feature extraction on a budget for big data streams. , 2015, , .		7
174	Decentralized optimal dispatch of photovoltaic inverters in residential distribution systems. , 2015, , .		0
175	Underlay multi-hop cognitive networks with orthogonal access. , 2015, , .		0
176	Switched dynamic structural equation models for tracking social network topologies. , 2015, , .		6
177	Spectrum cartography using quantized observations. , 2015, , .		10
178	Large-scale subspace clustering using random sketching and validation. , 2015, , .		4
179	Stochastic semiparametric regression for spectrum cartography. , 2015, , .		4
180	Kernel-based embeddings for large graphs with centrality constraints. , 2015, , .		0

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181	Optimal resource allocation for smart-grid powered MIMO broadcast channels. , 2015, , .		2
182	Adaptive censoring for large-scale regressions. , 2015, , .		7
183	Microgrid dispatch and price of reliability using stochastic approximation. , 2015, , .		2
184	Online sketching of big categorical data with absent features. , 2015, , .		1
185	Real-Time Load Elasticity Tracking and Pricing for Electric Vehicle Charging. IEEE Transactions on Smart Grid, 2015, 6, 1303-1313.	6.2	77
186	Sketch and Validate for Big Data Clustering. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 678-690.	7.3	23
187	Introduction to the issue on signal processing for big data. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 583-585.	7.3	2
188	Short-term wind power forecasting using nonnegative sparse coding. , 2015, , .		6
189	Subspace Learning and Imputation for Streaming Big Data Matrices and Tensors. IEEE Transactions on Signal Processing, 2015, 63, 2663-2677.	3.2	141
190	Online subspace learning and nonlinear classification of Big Data with misses. , 2015, , .		3
191	Regulation of dynamical systems to optimal solutions of semidefinite programs: Algorithms and applications to AC optimal power flow. , 2015, , .		8
192	Spectral clustering of large-scale communities via random sketching and validation. , 2015, , .		1
193	Distributed robust resource allocation for renewable powered wireless cellular networks. , 2015, , .		3
194	Robust Smart-Grid-Powered Cooperative Multipoint Systems. IEEE Transactions on Wireless Communications, 2015, 14, 6188-6199.	6.1	31
195	Optimal Dispatch of Residential Photovoltaic Inverters Under Forecasting Uncertainties. IEEE Journal of Photovoltaics, 2015, 5, 350-359.	1.5	47
196	Grid topology identification using electricity prices. , 2014, , .		35
197	Tracking anomalous community memberships in time-varying networks. , 2014, , .		0
198	Decentralized Optimal Dispatch of Photovoltaic Inverters in Residential Distribution Systems. IEEE Transactions on Energy Conversion, 2014, 29, 957-967.	3.7	120

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199	A proximal gradient algorithm for tracking cascades over networks. , 2014, , .		0
200	Imputation of streaming low-rank tensor data. , 2014, , .		3
201	Moving-horizon dynamic power system state estimation using semidefinite relaxation. , 2014, , .		7
202	Big data clustering via random sketching and validation. , 2014, , .		1
203	Online learning of electric vehicle consumers' charging behavior with missing data. , 2014, , .		0
204	Classification of streaming big data with misses. , 2014, , .		3
205	An efficient primal-dual approach to chance-constrained economic dispatch. , 2014, , .		7
206	Sparse dictionary learning from 1-BIT data. , 2014, , .		5
207	Prediction of Partially Observed Dynamical Processes Over Networks via Dictionary Learning. IEEE Transactions on Signal Processing, 2014, 62, 3305-3320.	3.2	30
208	Clustering high-dimensional data via random sampling and consensus. , 2014, , .		2
209	Tracking target signal strengths on a grid using sparsity. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.0	8
210	Stochastic loss minimization for power distribution networks. , 2014, , .		3
211	Online reconstruction from big data via compressive censoring. , 2014, , .		8
212	Signal Processing for Big Data [From the Guest Editors]. IEEE Signal Processing Magazine, 2014, 31, 15-16.	4.6	21
213	Optimal Dispatch of Photovoltaic Inverters in Residential Distribution Systems. IEEE Transactions on Sustainable Energy, 2014, 5, 487-497.	5.9	221
214	Cross-Layer Optimization and Receiver Localization for Cognitive Networks Using Interference Tweets. IEEE Journal on Selected Areas in Communications, 2014, 32, 641-653.	9.7	11
215	Dynamic Network Delay Cartography. IEEE Transactions on Information Theory, 2014, 60, 2910-2920.	1.5	18
216	Sparsity-Leveraging Reconfiguration of Smart Distribution Systems. IEEE Transactions on Power Delivery, 2014, 29, 1417-1426.	2.9	19

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217	Advances in Spectrum Sensing and Cross-Layer Design for Cognitive Radio Networks. Academic Press Library in Signal Processing, 2014, , 471-502.	0.8	15
218	Electricity Market Forecasting via Low-Rank Multi-Kernel Learning. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 1182-1193.	7.3	21
219	Stochastic Approximation vis-a-vis Online Learning for Big Data Analytics [Lecture Notes]. IEEE Signal Processing Magazine, 2014, 31, 124-129.	4.6	33
220	Efficient Decentralized Economic Dispatch for Microgrids with Wind Power Integration. , 2014, , .		21
221	Linear minimum mean-square error estimation based on high-dimensional data with missing values. , 2014, , .		7
222	Online dictionary learning from big data using accelerated stochastic approximation algorithms. , 2014, , .		16
223	Power System Nonlinear State Estimation Using Distributed Semidefinite Programming. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 1039-1050.	7.3	86
224	Proximal-Gradient Algorithms for Tracking Cascades Over Social Networks. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 563-575.	7.3	72
225	Risk-Constrained Microgrid Reconfiguration Using Group Sparsity. IEEE Transactions on Sustainable Energy, 2014, 5, 1415-1425.	5.9	27
226	Modeling and Optimization for Big Data Analytics: (Statistical) learning tools for our era of data deluge. IEEE Signal Processing Magazine, 2014, 31, 18-31.	4.6	185
227	Optimal Dynamic Power Management for Green Coordinated Multipoint Systems. , 2014, , .		0
228	Distributed market clearing with wind generation and large-scale dispatchable loads. , 2014, , .		1
229	Decomposition Algorithms for Market Clearing With Large-Scale Demand Response. IEEE Transactions on Smart Grid, 2013, 4, 1976-1987.	6.2	114
230	Recovery of Low-Rank Plus Compressed Sparse Matrices With Application to Unveiling Traffic Anomalies. IEEE Transactions on Information Theory, 2013, 59, 5186-5205.	1.5	72
231	Monitoring and Optimization for Power Grids: A Signal Processing Perspective. IEEE Signal Processing Magazine, 2013, 30, 107-128.	4.6	207
232	Sparse Parametric Models for Robust Nonstationary Signal Analysis: Leveraging the Power of Sparse Regression. IEEE Signal Processing Magazine, 2013, 30, 64-73.	4.6	27
233	Stochastic programming for energy planning in microgrids with renewables. , 2013, , .		12
234	A decentralized approach to generalized power system state estimation. , 2013, , .		7

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