Anna Scaglione

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/6650640/anna-scaglione-publications-by-year.pdf
Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156 papers	3,203 citations	27 h-index	51 g-index
184 ext. papers	3,915 ext. citations	5.9 avg, IF	5.77 L-index

#	Paper	IF	Citations
156	Adaptive Control of Distributed Energy Resources for Distribution Grid Voltage Stability. *IEEE Transactions on Power Systems*, **2022**, 1-1	7	
155	Federated Edge Network Utility Maximization for a Multi-Server System: Algorithm and Convergence. *IEEE/ACM Transactions on Networking*, **2022**, 1-16	3.8	0
154	Community Inference from Partially Observed Graph Signals: Algorithms and Analysis. *IEEE Transactions on Signal Processing*, **2022**, 1-1	4.8	
153	Efficient Caching by Linear Compression for Parameter Estimation in Wireless Sensor Networks. *IEEE Transactions on Signal Processing*, **2022**, 70, 1155-1169	4.8	
152	Log(v) 3LPF: A Linear Power Flow Formulation for Unbalanced Three-Phase Distribution Systems. *IEEE Transactions on Power Systems*, **2022**, 1-1	7	0
151	Integrating Hardware Security into a Blockchain-Based Transactive Energy Platform **2021**,		1
150	Lyapunov stability of smart inverters using linearized distflow approximation. *IET Renewable Power Generation*, **2021**, 15, 114-126	2.9	4
149	Grid-Graph Signal Processing (Grid-GSP): A Graph Signal Processing Framework for the Power Grid. *IEEE Transactions on Signal Processing*, **2021**, 69, 2725-2739	4.8	9
148	. *IEEE Signal Processing Magazine*, **2020**, 37, 74-85	9.4	11
147	Machine Learning From Distributed, Streaming Data [From the Guest Editors]. *IEEE Signal Processing Magazine*, **2020**, 37, 11-13	9.4	7
146	Accelerating incremental gradient optimization with curvature information. *Computational Optimization and Applications*, **2020**, 76, 347-380	1.4	3
145	Lossy DistFlow Formulation for Single and Multiphase Radial Feeders. *IEEE Transactions on Power Systems*, **2020**, 35, 1758-1768	7	3
144	Phasor Measurement Units Optimal Placement and Performance Limits for Fault Localization. *IEEE Journal on Selected Areas in Communications*, **2020**, 38, 180-192	14.2	15
143	Blind Community Detection From Low-Rank Excitations of a Graph Filter. *IEEE Transactions on Signal Processing*, **2020**, 68, 436-451	4.8	12
142	Multi-Layer Decomposition of Network Utility Maximization Problems. *IEEE/ACM Transactions on Networking*, **2020**, 28, 2077-2091	3.8	8
141	Federated Network Utility Maximization **2020**,		2
140	Learning Behavior of Distribution System Discrete Control Devices for Cyber-Physical Security. *IEEE Transactions on Smart Grid*, **2020**, 11, 749-761	10.7	7

139	On Modeling Voltage Phasor Measurements as Graph Signals **2019**,		7
138	Continuous Time Multi-Stage Stochastic Unit Commitment With Storage. *IEEE Transactions on Power Systems*, **2019**, 34, 4476-4489	7	15
137	**2019**,		4
136	A Case of Distributed Optimization in Adversarial Environment **2019**,		5
135	A Mathematical Programming Solution for Automatic Generation of Synthetic Power Flow Cases. *IEEE Transactions on Power Systems*, **2019**, 34, 729-741	7	4
134	Joint Network Topology and Dynamics Recovery From Perturbed Stationary Points. *IEEE Transactions on Signal Processing*, **2019**, 67, 4582-4596	4.8	11
133	A Multi-Layer Multi-Timescale Network Utility Maximization Framework for the SDN-Based LayBack Architecture Enabling Wireless Backhaul Resource Sharing. *Electronics (Switzerland)*, **2019**, 8, 937	2.6	12
132	A Framework for Generating Synthetic Distribution Feeders using OpenStreetMap **2019**,		5
131	Detection of False Data Injection Attack Using Graph Signal Processing for the Power Grid **2019**,		10
130	A Model for Joint Probabilistic Forecast of Solar Photovoltaic Power and Outdoor Temperature. *IEEE Transactions on Signal Processing*, **2019**, 67, 6368-6383	4.8	8
129	The Impact of Random Actions on Opinion Dynamics. *IEEE Transactions on Signal and Information Processing Over Networks*, **2018**, 4, 576-584	2.8	4
128	An Active Sequential Xampling Detector for Spectrum Sensing. *IEEE Transactions on Cognitive Communications and Networking*, **2018**, 4, 192-205	6.6	1
127	. *IEEE Transactions on Signal Processing*, **2018**, 66, 3280-3295	4.8	6
126	Estimating Social Opinion Dynamics Models From Voting Records. *IEEE Transactions on Signal Processing*, **2018**, 66, 4193-4206	4.8	8
125	Anomaly Detection Using Optimally Placed $mu text{PMU}$ Sensors in Distribution Grids. *IEEE Transactions on Power Systems*, **2018**, 33, 3611-3623	7	62
124	A Dynamic Multistage Stochastic Unit Commitment Formulation for Intraday Markets. *IEEE Transactions on Power Systems*, **2018**, 33, 3653-3663	7	13
123	Identifying Susceptible Agents in Time Varying Opinion Dynamics Through Compressive Measurements **2018**,		2
122	Multi-layer Decomposition of Optimal Resource Sharing Problems **2018**,		3

121	LayBack: SDN Management of Multi-Access Edge Computing (MEC) for Network Access Services and Radio Resource Sharing. *IEEE Access*, **2018**, 6, 57545-57561	3.5	52
120	Continuous Time Multi-Stage Stochastic Reserve and Unit Commitment **2018**,		3
119	Gas and Electric Grid Unit Commitment with Coordinated N-1 Generator Contingency Analysis **2018** ,		4
118	SUCAG: Stochastic Unbiased Curvature-aided Gradient Method for Distributed Optimization **2018**,		5
117	Automated Generation Algorithm for Synthetic Medium Voltage Radial Distribution Systems. *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*, **2017**, 7, 271-284	5.2	19
116	Utility Maximizing Sequential Sensing Over a Finite Horizon. *IEEE Transactions on Signal Processing*, **2017**, 65, 3430-3445	4.8	7
115	. *IEEE Transactions on Automatic Control*, **2017**, 62, 5522-5537	5.9	30
114	A Metric-Based Validation Process to Assess the Realism of Synthetic Power Grids. *Energies*, **2017**, 10, 1233	3.1	19
113	Caching for distributed parameter estimation in wireless sensor networks **2017**,		2
112	Fast and privacy preserving distributed low-rank regression **2017**,		6
111	Convergence Results on Pulse Coupled Oscillator Protocols in Locally Connected Networks. *IEEE/ACM Transactions on Networking*, **2017**, 25, 1004-1019	3.8	2
110	Optimal Pricing to Manage Electric Vehicles in Coupled Power and Transportation Networks. *IEEE Transactions on Control of Network Systems*, **2017**, 4, 863-875	4	76
109	Curvature-aided incremental aggregated gradient method **2017**,		4
108	Online Thevenin parameter tracking using synchrophasor data **2017**,		1
107	Micro Synchrophasor-Based Intrusion Detection in Automated Distribution Systems: Toward Critical Infrastructure Security. *IEEE Internet Computing*, **2016**, 20, 18-27	2.4	25
106	A projection-free decentralized algorithm for non-convex optimization **2016**,		6
105	PulseSS: A Pulse-Coupled Synchronization and Scheduling Protocol for Clustered Wireless Sensor Networks. *IEEE Internet of Things Journal*, **2016**, 3, 1222-1234	10.7	18
104	. *IEEE Transactions on Signal and Information Processing Over Networks*, **2016**, 2, 406-419	2.8	40

103	Generation Ramping Valuation in Day-Ahead Electricity Markets **2016**,		19
102	Unit Commitment With Continuous-Time Generation and Ramping Trajectory Models. *IEEE Transactions on Power Systems*, **2016**, 31, 3169-3178	7	40
101	Continuous-time marginal pricing of power trajectories in power systems **2016**,		1
100	Data mining the underlying trust in the US Congress **2016**,		2
99	. *IEEE Transactions on Signal and Information Processing Over Networks*, **2016**, 1-1	2.8	22
98	An Amplify-and-Forward Scheme for Spectrum Sharing in Cognitive Radio Channels. *IEEE Transactions on Wireless Communications*, **2015**, 14, 5629-5642	9.6	19
97	Consensus on State and Time: Decentralized Regression With Asynchronous Sampling. *IEEE Transactions on Signal Processing*, **2015**, 63, 2972-2985	4.8	7
96	A consensus-based decentralized algorithm for non-convex optimization with application to dictionary learning **2015**,		12
95	. *IEEE Transactions on Power Systems*, **2015**, 30, 1758-1774	7	33
94	Identifying trust in social networks with stubborn agents, with application to market decisions **2015** ,		1
93	The social system identification problem **2015**,		4
92	Detection of data injection attacks in decentralized learning **2015**,		8
91	PulseSS: A microcontroller implementation of Pulse-coupled Scheduling and Synchronization protocol for cluster-based wireless sensor networks **2015**,		2
90	The Restless Multi-Armed Bandit Formulation of the Cognitive Compressive Sensing Problem. *IEEE Transactions on Signal Processing*, **2015**, 63, 1183-1198	4.8	22
89	A Framework for Phasor Measurement Placement in Hybrid State Estimation Via Gauss□Newton. *IEEE Transactions on Power Systems*, **2014**, 29, 824-832	7	26
88	Distributed Constrained Optimization by Consensus-Based Primal-Dual Perturbation Method. *IEEE Transactions on Automatic Control*, **2014**, 59, 1524-1538	5.9	221
87	Hybrid Control Network Intrusion Detection Systems for Automated Power Distribution Systems **2014**,		21
86	An amplify-and-forward scheme for cognitive radios **2014**,		5

85	Monitoring Security of Networked Control Systems: It's the Physics. *IEEE Security and Privacy*, **2014**, 12, 32-39	2	11
84	Decentralized regression with asynchronous sub-Nyquist sampling **2014**,		1
83	Restless multi-armed bandits under time-varying activation constraints for dynamic spectrum access **2014**,		13
82	The pulse coupled phasor measurement units **2014**,		3
81	. *IEEE Journal on Selected Topics in Signal Processing*, **2014**, 8, 1111-1126	7.5	23
80	The Cognitive Compressive Sensing problem **2014**,		5
79	A hybrid network IDS for protective digital relays in the power transmission grid **2014**,		14
78	. *IEEE Transactions on Smart Grid*, **2014**, 5, 848-860	10.7	83
77	. *IEEE Transactions on Smart Grid*, **2013**, 4, 1490-1504	10.7	101
76	Optimal sensor placement for hybrid state estimation in smart grid **2013**,		7
75	Robust collaborative state estimation for smart grid monitoring **2013**,		1
74	. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 1184-1194	14.2	44
73	Blind topology identification for power systems **2013**,		31
72	On Modeling and Marketing the Demand Flexibility of Deferrable Loads at the Wholesale Level **2013**,		5
71	Models for the Diffusion of Beliefs in Social Networks: An Overview. *IEEE Signal Processing Magazine*, **2013**, 30, 16-29	9.4	42
70	Advances in decentralized state estimation for power systems **2013**,		5
69	Distributed sparse regression by consensus-based primal-dual perturbation optimization **2013**,		4
68	Compressive Link Acquisition in Multiuser Communications. *IEEE Transactions on Signal Processing*, **2013**, 61, 3229-3245	4.8	8

67	. *IEEE Transactions on Signal Processing*, **2013**, 61, 5231-5246	4.8	24
66	. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 1072-1083	14.2	69
65	. *IEEE Journal on Selected Areas in Communications*, **2012**, 30, 1027-1036	14.2	50
64	A Cournot game analysis on market effects of queuing energy request as demand response **2012**,		3
63	STiCMAC: A MAC Protocol for Robust Space-Time Coding in Cooperative Wireless LANs. *IEEE Transactions on Wireless Communications*, **2012**, 11, 1358-1369	9.6	21
62	Pulse Coupled Discrete Oscillators dynamics for network scheduling **2012**,		3
61	Coordinated home energy management for real-time power balancing **2012**,		2
60	Strategic communications in opinion diffusion **2012**,		1
59	. *IEEE Signal Processing Magazine*, **2012**, 29, 55-67	9.4	73
58	A Markov-Transition Model for Cascading Failures in Power Grids **2012**,		56
57	How will demand response aggregators affect electricity markets? A Cournot game analysis **2012**,		19
56	The emergence of deferrable energy requests and a greener future: What stands in the way? **2012**,		2
55	. *IEEE Transactions on Communications*, **2012**, 60, 1020-1032	6.9	
54	A course on smartgrid networks **2012**,		2
53	Grid integration of distributed renewables through coordinated demand response **2012**,		10
52	Transmitting Important Bits and Sailing High Radio Waves: A Decentralized Cross-Layer Approach to Cooperative Video Transmission. *IEEE Journal on Selected Areas in Communications*, **2012**, 30, 1597-1604	14.2	17
51	Scalable Network Synchronization with Pulse-Coupled Oscillators. *IEEE Transactions on Mobile Computing*, **2011**, 10, 392-405	4.6	58
50	. *IEEE Transactions on Wireless Communications*, **2011**, 10, 4214-4225	9.6	16

49	Compressed channel sensing: Is the Restricted Isometry Property the right metric? **2011**,		1
48	. *IEEE Transactions on Signal Processing*, **2011**, 59, 4225-4237	4.8	32
47	Distributed Principal Subspace Estimation in Wireless Sensor Networks. *IEEE Journal on Selected Topics in Signal Processing*, **2011**, 5, 725-738	7.5	49
46	A Decentralized Cross-Layer Approach to Cooperative Video Transmission **2011**,		1
45	. *IEEE Transactions on Signal Processing*, **2011**, 59, 2982-2988	4.8	6
44	Low complexity acquisition of GPS signals **2011**,		3
43	. *IEEE Transactions on Signal Processing*, **2011**, 59, 5353-5368	4.8	0
42	Trust, opinion diffusion and radicalization in social networks **2011**,		5
41	Information infrastructure for cellular load management in green power delivery systems **2011**,		15
40	Asymmetric information diffusion via gossiping on static and dynamic networks **2010**,		7
39	On the impact of SmartGrid metering infrastructure on load forecasting **2010**,		15
38	Design of a Distributed Protocol for Proportional Fairness in Wireless Body Area Networks **2010**,		1
37	Computing Along Routes via Gossiping. *IEEE Transactions on Signal Processing*, **2010**, 58, 3313-3327	4.8	13
36	Bio-inspired algorithms for decentralized round-robin and proportional fair scheduling. *IEEE Journal on Selected Areas in Communications*, **2010**, 28, 564-575	14.2	47
35	A simple and scalable algorithm for alignment in broadcast networks. *IEEE Journal on Selected Areas in Communications*, **2010**, 28, 1190-1199	14.2	
34	Electrical centrality measures for electric power grid vulnerability analysis **2010**,		81
33	Randomized space-time block coding for distributed amplify-and-forward cooperative relays **2010**,		15
32	**2010**,		16

31	Cooperative Randomized MIMO-OFDM Downlink for Multicell Networks: Design and Analysis. *IEEE Transactions on Signal Processing*, **2010**, 58, 384-402	4.8	19
30	Physical layer design of distributed proportional fair scheduling in wireless body area networks **2010**,		5
29	The Node Degree Distribution in Power Grid and Its Topology Robustness under Random and Selective Node Removals **2010**,		20
28	Maximum likelihood blind deconvolution for sparse systems **2010**,		1
27	. *Journal of Communications and Networks*, **2010**, 12, 317-329	4.1	
26	Decentralized space-time block coding for two-way relay networks **2010**,		6
25	. *IEEE Transactions on Smart Grid*, **2010**, 1, 28-39	10.7	161
24	A Simple Recruitment Scheme of Multiple Nodes for Cooperative MAC. *IEEE Transactions on Communications*, **2010**, 58, 2667-2682	6.9	18
23	Gossip Algorithms for Distributed Signal Processing. *Proceedings of the IEEE*, **2010**, 98, 1847-1864	14.3	530
22	Randomized cooperation in asynchronous dispersive links. *IEEE Transactions on Communications*, **2009**, 57, 64-68	6.9	24
21	Computing along the routes via gossiping **2009**,		2
20	Pulse coupled oscillatorsSprimitive for low complexity scheduling **2009**,		5
19	Group Testing for Binary Markov Sources: Data-Driven Group Queries for Cooperative Sensor Networks. *IEEE Transactions on Information Theory*, **2008**, 54, 3538-3551	2.8	1
18	Broadcast gossip algorithms: Design and analysis for consensus **2008**,		18
17	Broadcast gossip algorithms **2008**,		13
16	Estimation of sparse multipath channels **2008**,		8
15	Layered randomized cooperation for multicast **2008**,		3
14	The decentralized estimation of the sample covariance **2008**,		31

13	Coding With Side Information for Rate-Constrained Consensus. *IEEE Transactions on Signal Processing*, **2008**, 56, 3753-3764	4.8	41
12	Cooperative MAC for Rate Adaptive Randomized Distributed Space-Time Coding **2008**,		14
11	Limiting rate behavior and rate allocation strategies for average consensus problems with bounded convergence. *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, **2008**,	1.6	4
10	Scalable distributed Kalman filtering through consensus. *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, **2008**,	1.6	6
9	Time-varying power line block transmission models over doubly selective channels **2008**,		3
8	Sequential source coding with side information for sensor networks **2007**,		2
7	A scalable wireless communication architecture for average consensus **2007**,		8
6	On the Communication Architecture for Wide-Area Real-Time Monitoring in Power Networks **2007**,		9
5	Differential Nested Lattice Encoding for Consensus Problems **2007**,		8
4	On the Asymptotic Scalability of the Consensus Algorithm **2007**,		2
3	Distributed Randomized Space-Time Coding for HF Transmission **2006**,		7
2	On the Interdependence of Routing and Data Compression in Multi-Hop Sensor Networks. *Wireless Networks*, **2005**, 11, 149-160	2.5	47
1	Randomized Cooperative Transmission in Large-Scale Sensor Networks251-275		