

Na Li

List of Publications by Year in descending order

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55
papers

3,629
citations

331259

21
h-index

395343

33
g-index

55
all docs

55
docs citations

55
times ranked

2496
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal demand response based on utility maximization in power networks. , 2011, , .		658
2	Exact Convex Relaxation of Optimal Power Flow in Radial Networks. IEEE Transactions on Automatic Control, 2015, 60, 72-87.	3.6	369
3	Design and Stability of Load-Side Primary Frequency Control in Power Systems. IEEE Transactions on Automatic Control, 2014, 59, 1177-1189.	3.6	367
4	Harnessing Smoothness to Accelerate Distributed Optimization. IEEE Transactions on Control of Network Systems, 2018, 5, 1245-1260.	2.4	363
5	Connecting Automatic Generation Control and Economic Dispatch From an Optimization View. IEEE Transactions on Control of Network Systems, 2016, 3, 254-264.	2.4	202
6	Optimal Residential Demand Response in Distribution Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 1441-1450.	9.7	167
7	Accelerated Distributed Nesterov Gradient Descent. IEEE Transactions on Automatic Control, 2020, 65, 2566-2581.	3.6	107
8	Optimal Scheduling of Battery Charging Station Serving Electric Vehicles Based on Battery Swapping. IEEE Transactions on Smart Grid, 2019, 10, 1372-1384.	6.2	105
9	Reinforcement Learning for Selective Key Applications in Power Systems: Recent Advances and Future Challenges. IEEE Transactions on Smart Grid, 2022, 13, 2935-2958.	6.2	87
10	Optimal Power Flow of Radial Networks and Its Variations: A Sequential Convex Optimization Approach. IEEE Transactions on Smart Grid, 2017, 8, 2974-2987.	6.2	86
11	On the Exponential Stability of Primal-Dual Gradient Dynamics. , 2019, 3, 43-48.		82
12	Real-time decentralized voltage control in distribution networks. , 2014, , .		81
13	Passivity-Based Distributed Optimization With Communication Delays Using PI Consensus Algorithm. IEEE Transactions on Automatic Control, 2018, 63, 4421-4428.	3.6	81
14	Connecting automatic generation control and economic dispatch from an optimization view. , 2014, , .		77
15	Optimal Distributed Feedback Voltage Control Under Limited Reactive Power. IEEE Transactions on Power Systems, 2020, 35, 315-331.	4.6	76
16	Aggregate Power Flexibility in Unbalanced Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 258-269.	6.2	71
17	Distributed Optimal Voltage Control With Asynchronous and Delayed Communication. IEEE Transactions on Smart Grid, 2020, 11, 3469-3482.	6.2	43
18	Distributed Zero-Order Algorithms for Nonconvex Multiagent Optimization. IEEE Transactions on Control of Network Systems, 2021, 8, 269-281.	2.4	40

#	ARTICLE	IF	CITATIONS
19	On Maintaining Linear Convergence of Distributed Learning and Optimization Under Limited Communication. IEEE Transactions on Signal Processing, 2020, 68, 6101-6116.	3.2	35
20	Convergence of Limited Communication Gradient Methods. IEEE Transactions on Automatic Control, 2018, 63, 1356-1371.	3.6	33
21	Leveraging Two-Stage Adaptive Robust Optimization for Power Flexibility Aggregation. IEEE Transactions on Smart Grid, 2021, 12, 3954-3965.	6.2	33
22	Robust hybrid zero-order optimization algorithms with acceleration via averaging in time. Automatica, 2021, 123, 109361.	3.0	29
23	Non-Asymptotic Identification of Linear Dynamical Systems Using Multiple Trajectories. , 2021, 5, 1693-1698.		28
24	Voltage Control Using Limited Communication. IEEE Transactions on Control of Network Systems, 2019, 6, 993-1003.	2.4	27
25	Achieving real-time economic dispatch in power networks via a saddle point design approach. , 2015, , .		26
26	Distributed Control for Reaching Optimal Steady State in Network Systems: An Optimization Approach. IEEE Transactions on Automatic Control, 2018, 63, 864-871.	3.6	25
27	Communication Complexity of Dual Decomposition Methods for Distributed Resource Allocation Optimization. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 717-732.	7.3	23
28	A Market Mechanism for Virtual Inertia. IEEE Transactions on Smart Grid, 2020, 11, 3570-3579.	6.2	22
29	Distributed optimal steady-state control using reverse- and forward-engineering. , 2015, , .		21
30	Online Residential Demand Response via Contextual Multi-Armed Bandits. , 2021, 5, 433-438.		20
31	Federated Learning over Wireless Networks: A Band-limited Coordinated Descent Approach. , 2021, , .		19
32	Accelerated Distributed Nesterov Gradient Descent for smooth and strongly convex functions. , 2016, , .		18
33	Online Optimization With Predictions and Switching Costs: Fast Algorithms and the Fundamental Limit. IEEE Transactions on Automatic Control, 2021, 66, 4761-4768.	3.6	18
34	On the Equivalence of Youla, System-Level, and Input-Output Parameterizations. IEEE Transactions on Automatic Control, 2021, 66, 413-420.	3.6	18
35	An integrated design of optimization and physical dynamics for energy efficient buildings: A passivity approach. , 2017, , .		16
36	Distributed Automatic Load Frequency Control With Optimality in Power Systems. IEEE Transactions on Control of Network Systems, 2021, 8, 307-318.	2.4	16

#	ARTICLE	IF	CITATIONS
37	Semi-global exponential stability of augmented primal-dual gradient dynamics for constrained convex optimization. <i>Systems and Control Letters</i> , 2020, 144, 104754.	1.3	15
38	On Maintaining Linear Convergence of Distributed Learning and Optimization under Limited Communication. , 2019, , .		13
39	Distributed Zero-Order Algorithms for Nonconvex Multi-Agent optimization. , 2019, , .		13
40	Learning and Selecting the Right Customers for Reliability: A Multi-Armed Bandit Approach. , 2018, , .		12
41	Online Learning and Distributed Control for Residential Demand Response. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 4843-4853.	6.2	12
42	Distributed Voltage Control for Three-Phase Unbalanced Distribution Systems With DERs and Practical Constraints. <i>IEEE Transactions on Industry Applications</i> , 2021, 57, 6622-6633.	3.3	12
43	A reliability-aware multi-armed bandit approach to learn and select users in demand response. <i>Automatica</i> , 2020, 119, 109015.	3.0	11
44	Optimal Distributed Energy Resource Coordination: A Decomposition Method Based on Distribution Locational Marginal Costs. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 1200-1212.	6.2	10
45	Zeroth-order Feedback Optimization for Cooperative Multi-Agent Systems. , 2020, , .		9
46	Mechanism design for reliability in demand response with uncertainty. , 2017, , .		7
47	Optimal Voltage Control Using Event Triggered Communication. , 2019, , .		6
48	Communication-Efficient Distributed SGD With Compressed Sensing. , 2022, 6, 2054-2059.		5
49	Scalable Reinforcement Learning for Multiagent Networked Systems. <i>Operations Research</i> , 2022, 70, 3601-3628.	1.2	5
50	Distributed Optimal Voltage Control for Three Phase Unbalanced Distribution Systems with DERs. , 2020, , .		4
51	Control Reconfiguration of Dynamical Systems for Improved Performance via Reverse- and Forward-Engineering. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 1490-1497.	3.6	2
52	Non-asymptotic Identification of Linear Dynamical Systems Using Multiple Trajectories. , 2021, , .		1
53	A Passivity-Based Design of Cyber-Physical Building HVAC Energy Management Integrating Optimization and Physical Dynamics. , 2020, , 309-341.		1
54	Control Reconfiguration for Improved Performance via Reverse-engineering and Forward-engineering. <i>IFAC-PapersOnLine</i> , 2020, 53, 4688-4694.	0.5	1

#	ARTICLE	IF	CITATIONS
55	Control Reconfiguration of Cyber-physical Systems for Improved Performance via Reverse-engineering and Accelerated First-order Algorithms. , 2020, , .		1