Na Li

List of Publications by Year
in descending order

55	3,629	331670	395702
papers	citations	21	33
		h-index	g-index

55	55	55	2496
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Control Reconfiguration of Dynamical Systems for Improved Performance via Reverse- and Forward-Engineering. IEEE Transactions on Automatic Control, 2022, 67, 1490-1497.	5.7	2
2	Optimal Distributed Energy Resource Coordination: A Decomposition Method Based on Distribution Locational Marginal Costs. IEEE Transactions on Smart Grid, 2022, 13, 1200-1212.	9.0	10
3	Communication-Efficient Distributed SGD With Compressed Sensing. , 2022, 6, 2054-2059.		5
4	Reinforcement Learning for Selective Key Applications in Power Systems: Recent Advances and Future Challenges. IEEE Transactions on Smart Grid, 2022, 13, 2935-2958.	9.0	87
5	Scalable Reinforcement Learning for Multiagent Networked Systems. Operations Research, 2022, 70, 3601-3628.	1.9	5
6	Online Optimization With Predictions and Switching Costs: Fast Algorithms and the Fundamental Limit. IEEE Transactions on Automatic Control, 2021, 66, 4761-4768.	5.7	18
7	On the Equivalence of Youla, System-Level, and Input–Output Parameterizations. IEEE Transactions on Automatic Control, 2021, 66, 413-420.	5.7	18
8	Online Residential Demand Response via Contextual Multi-Armed Bandits. , 2021, 5, 433-438.		20
9	Distributed Zero-Order Algorithms for Nonconvex Multiagent Optimization. IEEE Transactions on Control of Network Systems, 2021, 8, 269-281.	3.7	40
10	Robust hybrid zero-order optimization algorithms with acceleration via averaging in time. Automatica, 2021, 123, 109361.	5.0	29
11	Distributed Automatic Load Frequency Control With Optimality in Power Systems. IEEE Transactions on Control of Network Systems, 2021, 8, 307-318.	3.7	16
12	Online Learning and Distributed Control for Residential Demand Response. IEEE Transactions on Smart Grid, 2021, 12, 4843-4853.	9.0	12
13	Distributed Voltage Control for Three-Phase Unbalanced Distribution Systems With DERs and Practical Constraints. IEEE Transactions on Industry Applications, 2021, 57, 6622-6633.	4.9	12
14	Non-asymptotic Identification of Linear Dynamical Systems Using Multiple Trajectories. , 2021, , .		1
15	Federated Learning over Wireless Networks: A Band-limited Coordinated Descent Approach. , 2021, , .		19
16	Leveraging Two-Stage Adaptive Robust Optimization for Power Flexibility Aggregation. IEEE Transactions on Smart Grid, 2021, 12, 3954-3965.	9.0	33
17	Non-Asymptotic Identification of Linear Dynamical Systems Using Multiple Trajectories. , 2021, 5, 1693-1698.		28
18	Aggregate Power Flexibility in Unbalanced Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 258-269.	9.0	71

#	Article	IF	Citations
19	Accelerated Distributed Nesterov Gradient Descent. IEEE Transactions on Automatic Control, 2020, 65, 2566-2581.	5.7	107
20	Optimal Distributed Feedback Voltage Control Under Limited Reactive Power. IEEE Transactions on Power Systems, 2020, 35, 315-331.	6.5	76
21	A reliability-aware multi-armed bandit approach to learn and select users in demand response. Automatica, 2020, 119, 109015.	5.0	11
22	Semi-global exponential stability of augmented primal–dual gradient dynamics for constrained convex optimization. Systems and Control Letters, 2020, 144, 104754.	2.3	15
23	On Maintaining Linear Convergence of Distributed Learning and Optimization Under Limited Communication. IEEE Transactions on Signal Processing, 2020, 68, 6101-6116.	5.3	35
24	A Market Mechanism for Virtual Inertia. IEEE Transactions on Smart Grid, 2020, 11, 3570-3579.	9.0	22
25	Distributed Optimal Voltage Control With Asynchronous and Delayed Communication. IEEE Transactions on Smart Grid, 2020, 11, 3469-3482.	9.0	43
26	Zeroth-order Feedback Optimization for Cooperative Multi-Agent Systems. , 2020, , .		9
27	A Passivity-Based Design of Cyber-Physical Building HVAC Energy Management Integrating Optimization and Physical Dynamics. , 2020, , 309-341.		1
28	Control Reconfiguration for Improved Performance via Reverse-engineering and Forward-engineering. IFAC-PapersOnLine, 2020, 53, 4688-4694.	0.9	1
29	Control Reconfiguration of Cyber-physical Systems for Improved Performance via Reverse-engineering and Accelerated First-order Algorithms. , 2020, , .		1
30	Distributed Optimal Voltage Control for Three Phase Unbalanced Distribution Systems with DERs. , 2020, , .		4
31	On the Exponential Stability of Primal-Dual Gradient Dynamics. , 2019, 3, 43-48.		82
32	Optimal Voltage Control Using Event Triggered Communication. , 2019, , .		6
33	Voltage Control Using Limited Communication. IEEE Transactions on Control of Network Systems, 2019, 6, 993-1003.	3.7	27
34	On Maintaining Linear Convergence of Distributed Learning and Optimization under Limited Communication. , 2019, , .		13
35	Distributed Zero-Order Algorithms for Nonconvex Multi-Agent optimization. , 2019, , .		13
36	Optimal Scheduling of Battery Charging Station Serving Electric Vehicles Based on Battery Swapping. IEEE Transactions on Smart Grid, 2019, 10, 1372-1384.	9.0	105

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37	Passivity-Based Distributed Optimization With Communication Delays Using PI Consensus Algorithm. IEEE Transactions on Automatic Control, 2018, 63, 4421-4428.	5.7	81
38	Distributed Control for Reaching Optimal Steady State in Network Systems: An Optimization Approach. IEEE Transactions on Automatic Control, 2018, 63, 864-871.	5.7	25
39	Learning and Selecting the Right Customers for Reliability: A Multi-Armed Bandit Approach. , 2018, , .		12
40	Convergence of Limited Communication Gradient Methods. IEEE Transactions on Automatic Control, 2018, 63, 1356-1371.	5.7	33
41	Harnessing Smoothness to Accelerate Distributed Optimization. IEEE Transactions on Control of Network Systems, 2018, 5, 1245-1260.	3.7	363
42	Communication Complexity of Dual Decomposition Methods for Distributed Resource Allocation Optimization. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 717-732.	10.8	23
43	Optimal Power Flow of Radial Networks and Its Variations: A Sequential Convex Optimization Approach. IEEE Transactions on Smart Grid, 2017, 8, 2974-2987.	9.0	86
44	Mechanism design for reliability in demand response with uncertainty. , 2017, , .		7
45	An integrated design of optimization and physical dynamics for energy efficient buildings: A passivity approach. , 2017, , .		16
46	Accelerated Distributed Nesterov Gradient Descent for smooth and strongly convex functions. , 2016, , .		18
47	Connecting Automatic Generation Control and Economic Dispatch From an Optimization View. IEEE Transactions on Control of Network Systems, 2016, 3, 254-264.	3.7	202
48	Distributed optimal steady-state control using reverse- and forward-engineering. , 2015, , .		21
49	Achieving real-time economic dispatch in power networks via a saddle point design approach. , 2015, , .		26
50	Exact Convex Relaxation of Optimal Power Flow in Radial Networks. IEEE Transactions on Automatic Control, 2015, 60, 72-87.	5.7	369
51	Real-time decentralized voltage control in distribution networks. , 2014, , .		81
52	Design and Stability of Load-Side Primary Frequency Control in Power Systems. IEEE Transactions on Automatic Control, 2014, 59, 1177-1189.	5.7	367
53	Connecting automatic generation control and economic dispatch from an optimization view. , 2014, , .		77
54	Optimal Residential Demand Response in Distribution Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 1441-1450.	14.0	167

#	Article	IF	Citations
55	Optimal demand response based on utility maximization in power networks. , 2011, , .		658