

# Lijun Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,835  
citations

687363

13  
h-index

552781

26  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal demand response based on utility maximization in power networks. , 2011, , .		658
2	Demand Response Using Linear Supply Function Bidding. IEEE Transactions on Smart Grid, 2015, 6, 1827-1838.	9.0	228
3	Two Market Models for Demand Response in Power Networks. , 2010, , .		220
4	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
5	Equilibrium and dynamics of local voltage control in distribution systems. , 2013, , .		167
6	Joint congestion control and media access control design for ad hoc wireless networks. , 0, , .		132
7	Exact convex relaxation of OPF for radial networks using branch flow model. , 2012, , .		112
8	Random Access Game and Medium Access Control Design. IEEE/ACM Transactions on Networking, 2010, 18, 1303-1316.	3.8	102
9	Optimization Based Rate Control for Multicast with Network Coding. , 2007, , .		96
10	Connecting automatic generation control and economic dispatch from an optimization view. , 2014, , .		77
11	An Incentive-Based Online Optimization Framework for Distribution Grids. IEEE Transactions on Automatic Control, 2018, 63, 2019-2031.	5.7	70
12	A Game-Theoretic Framework for Medium Access Control. IEEE Journal on Selected Areas in Communications, 2008, 26, 1116-1127.	14.0	69
13	Reverse and Forward Engineering of Local Voltage Control in Distribution Networks. IEEE Transactions on Automatic Control, 2021, 66, 1116-1128.	5.7	47
14	Local voltage control in distribution systems: An incremental control algorithm. , 2015, , .		43
15	Gradient-Based Multi-Area Distribution System State Estimation. IEEE Transactions on Smart Grid, 2020, 11, 5325-5338.	9.0	40
16	Contention control: A game-theoretic approach. , 2007, , .		37
17	Accelerated Voltage Regulation in Multi-Phase Distribution Networks Based on Hierarchical Distributed Algorithm. IEEE Transactions on Power Systems, 2020, 35, 2047-2058.	6.5	34
18	Reverse and forward engineering of frequency control in power networks. , 2014, , .		31

#	ARTICLE	IF	CITATIONS
19	On distributed scheduling in wireless networks exploiting broadcast and network coding. IEEE Transactions on Communications, 2010, 58, 1223-1234.	7.8	24
20	Demand response in radial distribution networks: Distributed algorithm. , 2012, , .		24
21	An optimization-based demand response in radial distribution networks. , 2012, , .		24
22	Congestion Control for Multicast Flows With Network Coding. IEEE Transactions on Information Theory, 2012, 58, 5908-5921.	2.4	21
23	Smoothed Least-laxity-first Algorithm for EV Charging. , 2017, , .		21
24	Online Stochastic Optimization of Networked Distributed Energy Resources. IEEE Transactions on Automatic Control, 2020, 65, 2387-2401.	5.7	21
25	A Game-Theoretic Model for Medium Access Control. , 2007, , .		21
26	On the Interaction Between Load Balancing and Speed Scaling. IEEE Journal on Selected Areas in Communications, 2015, 33, 2567-2578.	14.0	20
27	Pseudo-gradient based local voltage control in distribution networks. , 2015, , .		19
28	Cross-layer design in multihop wireless networks. Computer Networks, 2011, 55, 480-496.	5.1	18
29	Opportunistic Source Coding for Data Gathering in Wireless Sensor Networks. , 2007, , .		15
30	Local voltage control in distribution networks: A game-theoretic perspective. , 2016, , .		14
31	Hierarchical Distributed Voltage Regulation in Networked Autonomous Grids. , 2019, , .		14
32	Game-Theoretic Cooperative Lane Changing Using Data-Driven Models. , 2018, , .		13
33	Reverse and Forward Engineering of Frequency Control in Power Networks. IEEE Transactions on Automatic Control, 2017, 62, 4631-4638.	5.7	12
34	Super-Resolution for Achieving Frequency Division Duplex (FDD) Channel Reciprocity. , 2018, , .		11
35	Distributed Distortion Optimization for Correlated Sources with Network Coding. IEEE Transactions on Communications, 2012, 60, 1336-1344.	7.8	10
36	An incremental local algorithm for better voltage control in distribution networks. , 2016, , .		10

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37	Bloch wave oscillation and Coulomb blockade in mesoscopic electric circuits. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 246, 446-450.	2.1	9
38	Convex-concave procedure for weighted sum-rate maximization in a MIMO interference network. , 2014, , .		9
39	Smoothed Least-Laxity-First Algorithm for Electric Vehicle Charging: Online Decision and Performance Analysis With Resource Augmentation. IEEE Transactions on Smart Grid, 2022, 13, 2209-2217.	9.0	9
40	Distributed optimization in wireless networks using broadcast advantage. , 2007, , .		8
41	Decomposition of Nonlinear Dynamical Systems Using Koopman Gramians. , 2018, , .		8
42	Solving Optimal Power Flow for Distribution Networks with State Estimation Feedback. , 2020, , .		8
43	Incentive-based voltage regulation in distribution networks. , 2017, , .		7
44	Mining Player In-game Time Spending Regularity for Churn Prediction in Free Online Games. , 2019, , .		7
45	Economic Dispatch With Distributed Energy Resources: Co-Optimization of Transmission and Distribution Systems. , 2021, 5, 1994-1999.		7
46	Signal-anticipating in local voltage control in distribution systems. , 2014, , .		6
47	Panorama: A Framework to Support Collaborative Context Monitoring on Co-located Mobile Devices. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 143-160.	0.3	6
48	Robustness, Optimization, and Architectures. European Journal of Control, 2011, 17, 472-482.	2.6	5
49	Self-organized context-aware hybrid MANETs. , 2013, , .		5
50	Hybrid cellular-MANETs: An energy-aware routing design. , 2014, , .		5
51	Whales, Dolphins, or Minnows? Towards the Player Clustering in Free Online Games Based on Purchasing Behavior via Data Mining Technique. , 2018, , .		5
52	On Distributed Distortion Optimization for Correlated Sources. , 2007, , .		4
53	A new algorithm for the weighted sum rate maximization in MIMO interference networks. , 2015, , .		4
54	Leveraging BLE and social trust to enable mobile in situ collaborations. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
55	An Integrative Perspective to LQ and $\ell_1$ Control for Delayed and Quantized Systems. IEEE Transactions on Automatic Control, 2020, 65, 4781-4792.	5.7	4
56	Demand shaping in cellular networks. , 2014, , .		3
57	Hybrid cellular-MANETs in practice: A microblogging system for smart devices in disaster areas. , 2014, , .		3
58	Stochastic dual algorithm for voltage regulation in distribution networks with discrete loads. , 2017, , .		3
59	Demand Shaping in Cellular Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 363-374.	3.7	3
60	Signal-Anticipation in Local Voltage Control in Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 233-246.	9.0	3
61	Cooperative Control of Mobile Robots with Stackelberg Learning. , 2020, , .		3
62	Josephson-Like Effects in the Mesoscopic Electric Circuit. Communications in Theoretical Physics, 1999, 31, 301-304.	2.5	2
63	Distributed minimum cost multicasting with lossless source coding and network coding. , 2007, , .		2
64	Optimization based rate control for multicast with network coding: A multipath formulation. , 2007, , .		2
65	A New Perspective to Synchronization in Networks of Coupled Oscillators: Reverse Engineering and Convex Relaxation. IFAC-PapersOnLine, 2015, 48, 40-45.	0.9	2
66	Utilizing Playersâ€™ Playtime Records for Churn Prediction: Mining Playtime Regularity. IEEE Transactions on Games, 2022, 14, 153-160.	1.4	2
67	Correlation Between Personality and Social Interactions in Online Strategy Games. , 2020, , .		2
68	Incentivized Exploration for Multi-Armed Bandits under Reward Drift. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 4981-4988.	4.9	2
69	Load balancing and speed scaling interaction in processor-sharing systems with exponential power functions. , 2016, , .		1
70	Proportional control applied to dynamic network resource allocation. , 2017, , .		1
71	Three-dimensional Super-resolution with Nonuniform Cutoff Frequencies. , 2018, , .		1
72	Towards Scalable Koopman Operator Learning: Convergence Rates and A Distributed Learning Algorithm. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
73	Dual Scheduling Algorithm in a Generalized Switch: Asymptotic Optimality and Throughput Optimality. , 2007, , 147-168.		1
74	Multi-Level Optimal Power Flow Solver in Large Distribution Networks. , 2020, , .		1
75	On Asymptotic Optimality of Dual Scheduling Algorithm In A Generalized Switch. , 0, , .		0
76	Optimizing Secondary User Performance under Delay Constraint for Primary User. , 2017, , .		0
77	Purchase Prediction in Free Online Games via Survival Analysis. , 2019, , .		0
78	Distributed Online Convex Programming for Collision Avoidance in Multi-agent Autonomous Vehicle Systems. , 2019, , .		0
79	Economic Dispatch With Distributed Energy Resources: Co-Optimization of Transmission and Distribution Systems. , 2021, , .		0
80	Channel Reciprocity in FDD Multiuser MIMO Systems by Super-resolution. , 2021, , .		0
81	Accelerated Voltage Regulation in Multi-Phase Distribution Networks Based on Hierarchical Distributed Algorithm. , 2020, , .		0