Chaojie Li

List of Publications by Year in descending order

103 papers	4,279 citations	136885 32 h-index	114418 63 g-index
103 all docs	103 docs citations	103 times ranked	3218 citing authors

#	Article	IF	Citations
1	Energy-Sharing Model With Price-Based Demand Response for Microgrids of Peer-to-Peer Prosumers. IEEE Transactions on Power Systems, 2017, 32, 3569-3583.	4.6	604
2	Distributed Event-Triggered Scheme for Economic Dispatch in Smart Grids. IEEE Transactions on Industrial Informatics, 2016, 12, 1775-1785.	7.2	307
3	Efficient Computation for Sparse Load Shifting in Demand Side Management. IEEE Transactions on Smart Grid, 2017, 8, 250-261.	6.2	210
4	Pulse-Modulated Intermittent Control in Consensus of Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 783-793.	5.9	193
5	Distributed Optimal Consensus Over Resource Allocation Network and Its Application to Dynamical Economic Dispatch. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2407-2418.	7.2	172
6	Impulsive synchronization schemes of stochastic complex networks with switching topology: Average time approach. Neural Networks, 2014, 54, 85-94.	3.3	142
7	Cooperative Distributed Optimization in Multiagent Networks With Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 363-369.	5.9	125
8	A Generalized Hopfield Network for Nonsmooth Constrained Convex Optimization: Lie Derivative Approach. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 308-321.	7.2	120
9	A Recurrent Neural Network for Solving Bilevel Linear Programming Problem. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 824-830.	7.2	115
10	Second-Order Continuous-Time Algorithms for Economic Power Dispatch in Smart Grids. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1482-1492.	5.9	115
11	Risk-Averse Energy Trading in Multienergy Microgrids: A Two-Stage Stochastic Game Approach. IEEE Transactions on Industrial Informatics, 2017, 13, 2620-2630.	7.2	108
12	Impulsive effects on stability of high-order BAM neural networks with time delays. Neurocomputing, 2011, 74, 1541-1550.	3.5	94
13	An Inertial Projection Neural Network for Solving Variational Inequalities. IEEE Transactions on Cybernetics, 2017, 47, 809-814.	6.2	90
14	Noncooperative Game-Based Distributed Charging Control for Plug-In Electric Vehicles in Distribution Networks. IEEE Transactions on Industrial Informatics, 2018, 14, 301-310.	7.2	90
15	Edge detection of noisy images based on cellular neural networks. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 3746-3759.	1.7	84
16	Adaptive Neural-Fuzzy Sliding-Mode Fault-Tolerant Control for Uncertain Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2268-2278.	5.9	76
17	Data-Driven Planning of Electric Vehicle Charging Infrastructure: A Case Study of Sydney, Australia. IEEE Transactions on Smart Grid, 2021, 12, 3289-3304.	6.2	74
18	Chaos control and synchronization via a novel chatter free sliding mode control strategy. Neurocomputing, 2011, 74, 3212-3222.	3.5	66

#	Article	IF	Citations
19	Neural network for solving convex quadratic bilevel programming problems. Neural Networks, 2014, 51, 17-25.	3.3	52
20	Passivity and passification of stochastic impulsive memristorâ€based piecewise linear system with mixed delays. International Journal of Robust and Nonlinear Control, 2015, 25, 610-624.	2.1	52
21	Asynchronous impulsive containment control in switched multi-agent systems. Information Sciences, 2016, 370-371, 667-679.	4.0	51
22	Economic power dispatch in smart grids: a framework for distributed optimization and consensus dynamics. Science China Information Sciences, 2018, 61, 1.	2.7	51
23	A Continuous-Time Algorithm for Distributed Optimization Based on Multiagent Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2700-2709.	5.9	49
24	Prosumer Community: A Risk Aversion Energy Sharing Model. IEEE Transactions on Sustainable Energy, 2020, 11, 828-838.	5.9	47
25	Data-Driven Charging Strategy of PEVs Under Transformer Aging Risk. IEEE Transactions on Control Systems Technology, 2018, 26, 1386-1399.	3.2	46
26	Enhancing Optimal Automatic Generation Control in a Multi-Area Power System With Diverse Energy Resources. IEEE Transactions on Power Systems, 2019, 34, 3465-3475.	4.6	45
27	Distributed Power Management for Dynamic Economic Dispatch in the Multimicrogrids Environment. IEEE Transactions on Control Systems Technology, 2019, 27, 1651-1658.	3.2	45
28	Bogdanovâ€"Takens Singularity in Tri-Neuron Network With Time Delay. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1001-1007.	7.2	44
29	Group Consensus for Heterogeneous Multiagent Systems in the Competition Networks With Input Time Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4655-4663.	5.9	43
30	Codimension two bifurcation in a delayed neural network with unidirectional coupling. Nonlinear Analysis: Real World Applications, 2013, 14, 1191-1202.	0.9	41
31	Robust Second-Order Consensus Using a Fixed-Time Convergent Sliding Surface in Multiagent Systems. IEEE Transactions on Cybernetics, 2020, 50, 846-855.	6.2	37
32	The Optimal Distribution of Electric-Vehicle Chargers across a City. , 2016, , .		36
33	Parallel and Distributed Computation for Dynamical Economic Dispatch. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	33
34	Branch-Wise Parallel Successive Algorithm for Online Voltage Regulation in Distribution Networks. IEEE Transactions on Smart Grid, 2019, 10, 6678-6689.	6.2	33
35	Predicting lightning outages of transmission lines using generalized regression neural network. Applied Soft Computing Journal, 2019, 78, 438-446.	4.1	32
36	Neural network for solving Nash equilibrium problem in application of multiuser power control. Neural Networks, 2014, 57, 73-78.	3.3	31

#	ARTICLE	IF	CITATIONS
37	Review on Interpretable Machine Learning in Smart Grid. Energies, 2022, 15, 4427.	1.6	30
38	Cooperative Mining in Blockchain Networks With Zero-Determinant Strategies. IEEE Transactions on Cybernetics, 2020, 50, 4544-4549.	6.2	29
39	Exponential stability of impulsive high-order Hopfield-type neural networks with delays and reaction–diffusion. International Journal of Computer Mathematics, 2011, 88, 3150-3162.	1.0	28
40	Average Quasi-Consensus Algorithm for Distributed Constrained Optimization: Impulsive Communication Framework. IEEE Transactions on Cybernetics, 2020, 50, 351-360.	6.2	28
41	Hierarchical Distributed Scheme for Demand Estimation and Power Reallocation in a Future Power Grid. IEEE Transactions on Industrial Informatics, 2017, 13, 2279-2290.	7.2	27
42	Fast gradient–based distributed optimisation approach for model predictive control and application in four–tank benchmark. IET Control Theory and Applications, 2015, 9, 1579-1586.	1.2	26
43	Optimal Automatic Generation Control of an Interconnected Power System Under Network Constraints. IEEE Transactions on Industrial Electronics, 2018, 65, 7220-7228.	5.2	26
44	Predefined-time optimization for distributed resource allocation. Journal of the Franklin Institute, 2020, 357, 11323-11348.	1.9	25
45	Risk-averse energy trading among peer-to-peer based virtual power plants: A stochastic game approach. International Journal of Electrical Power and Energy Systems, 2021, 132, 107145.	3.3	25
46	Transactive Energy Sharing in a Microgrid via an Enhanced Distributed Adaptive Robust Optimization Approach. IEEE Transactions on Smart Grid, 2022, 13, 2279-2293.	6.2	23
47	Quasi-synchronization of delayed chaotic systems with parameters mismatch and stochastic perturbation. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 4108-4119.	1.7	21
48	Hybrid Interval-Robust Adaptive Battery Energy Storage System Dispatch With SoC Interval Management for Unbalanced Microgrids. IEEE Transactions on Sustainable Energy, 2022, 13, 44-55.	5.9	21
49	Interpretable Memristive LSTM Network Design for Probabilistic Residential Load Forecasting. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 2297-2310.	3.5	21
50	Operating Expense Optimization for EVs in Multiple Depots and Charge Stations Environment Using Evolutionary Heuristic Method. IEEE Transactions on Smart Grid, 2018, 9, 6599-6611.	6.2	20
51	Sparsity-promoting distributed charging control for plug-in electric vehicles over distribution networks. Applied Mathematical Modelling, 2018, 58, 111-127.	2.2	20
52	An Event-Triggered Approach for Gradient Tracking in Consensus-Based Distributed Optimization. IEEE Transactions on Network Science and Engineering, 2022, 9, 510-523.	4.1	18
53	A fixed time distributed optimization: A sliding mode perspective. , 2017, , .		16
54	A Risk-Averse Energy Sharing Market Game for Renewable Energy Microgrid Aggregators. IEEE Transactions on Power Systems, 2022, 37, 3528-3539.	4.6	16

#	Article	IF	Citations
55	Planning of Hydrogen Refueling Stations in Urban Setting While Considering Hydrogen Redistribution. IEEE Transactions on Industry Applications, 2022, 58, 2898-2908.	3.3	15
56	A DC programming approach for sensor network localization with uncertainties in anchor positions. Journal of Industrial and Management Optimization, 2014, 10, 817-826.	0.8	14
57	Optimal economic dispatch by fast distributed gradient. , 2014, , .		14
58	Exponential stability of stochastic high-order BAM neural networks with time delays and impulsive effects. Neural Computing and Applications, 2013, 23, 1-8.	3.2	13
59	Stability of Hopfield neural networks with time delays and variable-time impulses. Neural Computing and Applications, 2013, 22, 195-202.	3.2	13
60	A Multiple Gradient Descent Design for Multi-Task Learning on Edge Computing: Multi-Objective Machine Learning Approach. IEEE Transactions on Network Science and Engineering, 2022, 9, 121-133.	4.1	13
61	DESTABILIZING EFFECTS OF IMPULSE IN DELAYED BAM NEURAL NETWORKS. Modern Physics Letters B, 2009, 23, 3503-3513.	1.0	12
62	A survey on distributed optimisation approaches and applications in smart grids. Journal of Control and Decision, 2019, 6, 41-60.	0.7	12
63	Distributed Online Bandit Learning in Dynamic Environments Over Unbalanced Digraphs. IEEE Transactions on Network Science and Engineering, 2021, 8, 3034-3047.	4.1	12
64	Robust Finite-Time Dynamic Average Consensus With Exponential Convergence Rates. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2578-2582.	2.2	12
65	Reachability and controllability of linear switched impulsive systems. IET Control Theory and Applications, 2013, 7, 1294-1299.	1.2	11
66	Stable trajectory of logistic map. Nonlinear Dynamics, 2014, 78, 209-217.	2.7	11
67	Interpretable LSTM Based on Mixture Attention Mechanism for Multi-Step Residential Load Forecasting. Electronics (Switzerland), 2022, 11, 2189.	1.8	11
68	EILPR: Toward End-to-End Irregular License Plate Recognition Based on Automatic Perspective Alignment. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2586-2595.	4.7	10
69	Impulsive control for synchronizing delayed discrete complex networks with switching topology. Neural Computing and Applications, 2014, 24, 59-68.	3.2	9
70	A projection neural network for optimal demand response in smart grid environment. Neural Computing and Applications, 2018, 29, 259-267.	3.2	9
71	Integrating Demand Response and Renewable Energy In Wholesale Market. , 2018, , .		9
72	Distributed Resource Allocation via Accelerated Saddle Point Dynamics. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1588-1599.	8.5	8

#	Article	IF	Citations
73	DBRec. , 2019, , .		8
74	Two-Stage Community Energy Trading Under End-Edge-Cloud Orchestration. IEEE Internet of Things Journal, 2023, 10, 1961-1972.	5.5	7
75	Spatial–temporal attention and GRU based interpretable condition monitoring of offshore wind turbine gearboxes. IET Renewable Power Generation, 2022, 16, 402-415.	1.7	7
76	Distributed consensus strategy for economic power dispatch in a smart grid. , 2015, , .		6
77	Nonnegative matrix factorization algorithms based on the inertial projection neural network. Neural Computing and Applications, 2019, 31, 4215-4229.	3.2	6
78	Synchronization of single-degree-of-freedom oscillators via neural network based on fixed-time terminal sliding mode control scheme. Neural Computing and Applications, 2019, 31, 6365-6372.	3.2	6
79	Distributed generalized Nash equilibrium seeking: A singular perturbation-based approach. Neurocomputing, 2022, 482, 278-286.	3.5	6
80	A feedback neural network for solving convex quadratic bi-level programming problems. Neural Computing and Applications, 2014, 25, 603-611.	3.2	5
81	Improved Weighted Average Prediction for Multi-Agent Networks. Circuits, Systems, and Signal Processing, 2014, 33, 1721-1736.	1.2	5
82	Adaptive asymptotical tracking controller design for uncertain nonaffine nonlinear system with high–order mismatched disturbances. International Journal of Adaptive Control and Signal Processing, 2019, 33, 731-746.	2.3	5
83	Networked optimization for demand side management based on non-cooperative game. , 2015, , .		4
84	PV energy sharing cloud: Towards automatic pricing and energy management. , 2016, , .		4
85	HIGnet: Hierarchical and Interactive Gate Networks for Item Recommendation. IEEE Intelligent Systems, 2020, 35, 50-61.	4.0	4
86	Fuzzy Neighborhood Learning for Deep 3-D Segmentation of Point Cloud. IEEE Transactions on Fuzzy Systems, 2020, 28, 3181-3192.	6.5	4
87	Global Optimization: A Distributed Compensation Algorithm and its Convergence Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2355-2369.	5.9	4
88	Network constrained optimal automatic generation control for a two area power System. , 2015, , .		3
89	A Data-Driven Joint Chance-Constrained Game for Renewable Energy Aggregators in the Local Market. IEEE Transactions on Smart Grid, 2023, 14, 1430-1440.	6.2	3
90	Distributed consensus based optimization in dynamical economic dispatch. , 2017, , .		2

#	Article	IF	Citations
91	Distributed resource allocation: an indirect dual ascent method with an exponential convergence rate. Nonlinear Dynamics, 2020, 102, 1685-1699.	2.7	2
92	Data-Driven State Transition Algorithm for Fuzzy Chance-Constrained Dynamic Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5322-5331.	7.2	2
93	A stochastic game for energy resource trading in the context of Energy Internet. , 2016, , .		1
94	Neural network with added inertia for linear complementarity problem. , 2018, , .		1
95	Hierarchical Distributed Coordination for Economic Dispatch. , 2018, , .		1
96	An Intelligent Faulted Line Diagnosis Method in Multi-terminal Power Networks via IEDs. , 2019, , .		1
97	Predicting Best-Selling New Products in a Major Promotion Campaign Through Graph Convolutional Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, PP, 1-14.	7.2	1
98	Frequency regulation using optimal demand and governor response in a deregulated environment. , 2017, , .		0
99	Distributed Control of Networked Agent Systems: Theory and Applications. Journal of Control Science and Engineering, 2017, 2017, 1-2.	0.8	0
100	Approximating low cost state space areas in economic load dispatch with valve-point loading effects. , 2018, , .		0
101	Global Minimizer of Large Scale Stochastic Rosenbrock Function: Canonical Duality Approach. Lecture Notes in Computer Science, 2012, , 677-682.	1.0	0
102	Impulsive Synchronization of State Delayed Discrete Complex Networks with Switching Topology. Lecture Notes in Computer Science, 2012, , 50-57.	1.0	0
103	Carbon-Aware Economic Dispatch: A Singular Perturbation Approach. , 2021, , .		0