

Xiao Shun Zhang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1047721/xiao-shun-zhang-publications-by-year.pdf>

Version: 2024-04-28

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.

65
papers

1,692
citations

22
h-index

39
g-index

66
ext. papers

2,587
ext. citations

7.3
avg, IF

5.53
L-index

#	Paper	IF	Citations
65	An efficient multi-agent negotiation algorithm for multi-period photovoltaic array reconfiguration with a hydrogen energy storage system. <i>Energy Conversion and Management</i> , 2022 , 256, 115376	10.6	0
64	Emergency fault affected wide-area automatic generation control via large-scale deep reinforcement learning. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 106, 104500	7.2	8
63	Optimal mileage-based PV array reconfiguration using swarm reinforcement learning. <i>Energy Conversion and Management</i> , 2021 , 232, 113892	10.6	14
62	Efficient experience replay based deep deterministic policy gradient for AGC dispatch in integrated energy system. <i>Applied Energy</i> , 2021 , 285, 116386	10.7	26
61	Photovoltaic cell parameter estimation based on improved equilibrium optimizer algorithm. <i>Energy Conversion and Management</i> , 2021 , 236, 114051	10.6	18
60	Levenberg-Marquardt backpropagation algorithm for parameter identification of solid oxide fuel cells. <i>International Journal of Energy Research</i> , 2021 , 45, 17903-17923	4.5	5
59	Modelling, applications, and evaluations of optimal sizing and placement of distributed generations: A critical state-of-the-art survey. <i>International Journal of Energy Research</i> , 2021 , 45, 3615-3642	4.5	10
58	Robust fractional-order PID control of supercapacitor energy storage systems for distribution network applications: A perturbation compensation based approach. <i>Journal of Cleaner Production</i> , 2021 , 279, 123362	10.3	7
57	Adaptive distributed auction-based algorithm for optimal mileage based AGC dispatch with high participation of renewable energy. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 124, 106371	5.1	36
56	State-of-the-art one-stop handbook on wind forecasting technologies: An overview of classifications, methodologies, and analysis. <i>Journal of Cleaner Production</i> , 2021 , 283, 124628	10.3	11
55	Multi-agent Learning based Nearly Non-iterative Stochastic Dynamic Transactive Energy Control of Networked Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	1
54	Adaptive rapid neural optimization: A data-driven approach to MPPT for centralized TEG systems. <i>Electric Power Systems Research</i> , 2021 , 199, 107426	3.5	4
53	A Random Forest-Assisted Fast Distributed Auction-Based Algorithm for Hierarchical Coordinated Power Control in a Large-Scale PV Power Plant. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 2471-2481	8.2	2
52	A Multiagent Competitive Bidding Strategy in a Pool-Based Electricity Market With Price-Maker Participants of WPPs and EV Aggregators. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 7256-7268	11.9	4
51	Interacted collective intelligence based energy harvesting of centralized thermoelectric generation systems under non-uniform temperature gradient. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 48, 101600	4.7	0
50	Extreme learning machine based meta-heuristic algorithms for parameter extraction of solid oxide fuel cells. <i>Applied Energy</i> , 2021 , 303, 117630	10.7	4
49	Comprehensive overview of meta-heuristic algorithm applications on PV cell parameter identification. <i>Energy Conversion and Management</i> , 2020 , 208, 112595	10.6	107

48	Optimal Mileage Based AGC Dispatch of a GenCo. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2516-2526		36
47	Dynamic Surrogate Model Based Optimization for MPPT of Centralized Thermoelectric Generation Systems Under Heterogeneous Temperature Difference. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 35, 966-976	5.4	16
46	A state-of-the-art survey of solid oxide fuel cell parameter identification: Modelling, methodology, and perspectives. <i>Energy Conversion and Management</i> , 2020 , 213, 112856	10.6	27
45	A critical survey on proton exchange membrane fuel cell parameter estimation using meta-heuristic algorithms. <i>Journal of Cleaner Production</i> , 2020 , 265, 121660	10.3	19
44	Control of SMES systems in distribution networks with renewable energy integration: A perturbation estimation approach. <i>Energy</i> , 2020 , 202, 117753	7.9	12
43	Comprehensive overview of maximum power point tracking algorithms of PV systems under partial shading condition. <i>Journal of Cleaner Production</i> , 2020 , 268, 121983	10.3	51
42	Fast atom search optimization based MPPT design of centralized thermoelectric generation system under heterogeneous temperature difference. <i>Journal of Cleaner Production</i> , 2020 , 248, 119301	10.3	29
41	Multi-timescale and multi-objective power dispatch strategy incorporating air pollutant temporal and spatial distribution control. <i>Journal of Cleaner Production</i> , 2020 , 253, 119453	10.3	2
40	Greedy search based data-driven algorithm of centralized thermoelectric generation system under non-uniform temperature distribution. <i>Applied Energy</i> , 2020 , 260, 114232	10.7	16
39	Applications of battery/supercapacitor hybrid energy storage systems for electric vehicles using perturbation observer based robust control. <i>Journal of Power Sources</i> , 2020 , 448, 227444	8.9	39
38	Design and implementation of Battery/SMES hybrid energy storage systems used in electric vehicles: A nonlinear robust fractional-order control approach. <i>Energy</i> , 2020 , 191, 116510	7.9	33
37	Optimal sizing and placement of energy storage system in power grids: A state-of-the-art one-stop handbook. <i>Journal of Energy Storage</i> , 2020 , 32, 101814	7.8	18
36	Point estimate-based stochastic robust dispatch for electricity-gas combined system under wind uncertainty using iterative convex optimization. <i>Energy</i> , 2020 , 211, 118986	7.9	2
35	Reactive Power Optimization of Large-Scale Power Systems: A Transfer Bees Optimizer Application. <i>Processes</i> , 2019 , 7, 321	2.9	7
34	Many-Objective Optimal Power Dispatch Strategy Incorporating Temporal and Spatial Distribution Control of Multiple Air Pollutants. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 5309-5319	11.9	12
33	Memetic reinforcement learning based maximum power point tracking design for PV systems under partial shading condition. <i>Energy</i> , 2019 , 174, 1079-1090	7.9	31
32	Multi-Searcher Optimization for the Optimal Energy Dispatch of Combined Heat and Power-Thermal-Wind-Photovoltaic Systems. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 537	2.6	1
31	Applications of supercapacitor energy storage systems in microgrid with distributed generators via passive fractional-order sliding-mode control. <i>Energy</i> , 2019 , 187, 115905	7.9	26

30	Global Maximum Power Point Tracking of PV Systems under Partial Shading Condition: A Transfer Reinforcement Learning Approach. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2769	2.6	8
29	MPPT design of centralized thermoelectric generation system using adaptive compass search under non-uniform temperature distribution condition. <i>Energy Conversion and Management</i> , 2019 , 199, 111991	10.6	19
28	Fast Stackelberg equilibrium learning for real-time coordinated energy control of a multi-area integrated energy system. <i>Applied Thermal Engineering</i> , 2019 , 153, 225-241	5.8	13
27	Control of superconducting magnetic energy storage systems in grid-connected microgrids via memetic salp swarm algorithm: An optimal passive fractional-order PID approach. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 5511-5522	2.5	8
26	Homogenized adjacent points method: A novel Pareto optimizer for linearized multi-objective optimal energy flow of integrated electricity and gas system. <i>Applied Energy</i> , 2019 , 233-234, 338-351	10.7	18
25	Novel bio-inspired memetic salp swarm algorithm and application to MPPT for PV systems considering partial shading condition. <i>Journal of Cleaner Production</i> , 2019 , 215, 1203-1222	10.3	194
24	Dynamic leader based collective intelligence for maximum power point tracking of PV systems affected by partial shading condition. <i>Energy Conversion and Management</i> , 2019 , 179, 286-303	10.6	123
23	Decentralized optimal multi-energy flow of large-scale integrated energy systems in a carbon trading market. <i>Energy</i> , 2018 , 149, 779-791	7.9	49
22	Democratic joint operations algorithm for optimal power extraction of PMSG based wind energy conversion system. <i>Energy Conversion and Management</i> , 2018 , 159, 312-326	10.6	54
21	Interactive teaching learning optimiser for parameter tuning of VSC-HVDC systems with offshore wind farm integration. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 678-687	2.5	18
20	Lifelong Learning for Complementary Generation Control of Interconnected Power Grids With High-Penetration Renewables and EVs. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 4097-4110	7	36
19	Pareto tribe evolution with equilibrium-based decision for multi-objective optimization of multiple home energy management systems. <i>Energy and Buildings</i> , 2018 , 159, 11-23	7	15
18	Fast learning optimiser for real-time optimal energy management of a grid-connected microgrid. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 2977-2987	2.5	12
17	Multi-Agent Bargaining Learning for Distributed Energy Hub Economic Dispatch. <i>IEEE Access</i> , 2018 , 6, 39564-39573	3.5	5
16	Deep Forest Reinforcement Learning for Preventive Strategy Considering Automatic Generation Control in Large-Scale Interconnected Power Systems. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2185	2.6	10
15	Adaptive Consensus Algorithm for Distributed Heat-Electricity Energy Management of an Islanded Microgrid. <i>Energies</i> , 2018 , 11, 2236	3.1	4
14	Ensemble learning for optimal active power control of distributed energy resources and thermostatically controlled loads in an islanded microgrid. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 22474-22486	6.7	5
13	A cyber-physical-social system with parallel learning for distributed energy management of a microgrid. <i>Energy</i> , 2018 , 165, 205-221	7.9	11

12	Deep transfer Q-learning with virtual leader-follower for supply-demand Stackelberg game of smart grid. <i>Energy</i> , 2017 , 133, 348-365	7.9	36
11	Accelerating bio-inspired optimizer with transfer reinforcement learning for reactive power optimization. <i>Knowledge-Based Systems</i> , 2017 , 116, 26-38	7.3	32
10	Artificial emotional reinforcement learning for automatic generation control of large-scale interconnected power grids. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 2305-2313	2.5	29
9	Grouped grey wolf optimizer for maximum power point tracking of doubly-fed induction generator based wind turbine. <i>Energy Conversion and Management</i> , 2017 , 133, 427-443	10.6	220
8	Bacteria Foraging Reinforcement Learning for Risk-Based Economic Dispatch via Knowledge Transfer. <i>Energies</i> , 2017 , 10, 638	3.1	6
7	A wolf pack hunting strategy based virtual tribes control for automatic generation control of smart grid. <i>Applied Energy</i> , 2016 , 178, 198-211	10.7	22
6	Robust collaborative consensus algorithm for decentralized economic dispatch with a practical communication network. <i>Electric Power Systems Research</i> , 2016 , 140, 597-610	3.5	21
5	Hierarchically correlated equilibrium Q-learning for multi-area decentralized collaborative reactive power optimization. <i>CSEE Journal of Power and Energy Systems</i> , 2016 , 2, 65-72	2.3	33
4	Consensus Transfer Q -Learning for Decentralized Generation Command Dispatch Based on Virtual Generation Tribe. <i>IEEE Transactions on Smart Grid</i> , 2016 , 1-1	10.7	7
3	A novel multi-agent decentralized win or learn fast policy hill-climbing with eligibility trace algorithm for smart generation control of interconnected complex power grids. <i>Energy Conversion and Management</i> , 2015 , 103, 82-93	10.6	25
2	Approximate ideal multi-objective solution Q -learning for optimal carbon-energy combined-flow in multi-energy power systems. <i>Energy Conversion and Management</i> , 2015 , 106, 543-556	10.6	22
1	Distributed deep reinforcement learning for integrated generation-control and power-dispatch of interconnected power grid with various renewable units. <i>IET Renewable Power Generation</i> ,	2.9	3