

# Guo-Qiang Zeng

## List of Publications by Year in descending order

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44  
papers

1,778  
citations

377584

21  
h-index

445137

33  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1599  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional-order convolutional neural networks with population extremal optimization. <i>Neurocomputing</i> , 2022, 477, 36-45.	3.5	4
2	Finite-time prescribed performance control of switched nonlinear systems with input quantisation. <i>International Journal of Systems Science</i> , 2021, 52, 857-873.	3.7	12
3	A Variable-Frequency Current-Dependent Switching Strategy to Improve Tradeoff Between Efficiency and SiC MOSFET Overcurrent Stress in Si/SiC-Hybrid-Switch-Based Inverters. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 4877-4886.	5.4	20
4	Adaptive Gate Delay-Time Control of Si/SiC Hybrid Switch for Efficiency Improvement in Inverters. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 3437-3449.	5.4	15
5	Adaptive constrained population extremal optimisation-based robust proportional-integral-derivation frequency control method for an islanded microgrid. <i>IET Cyber-Systems and Robotics</i> , 2021, 3, 210-227.	1.1	10
6	An improved bat algorithm hybridized with extremal optimization and Boltzmann selection. <i>Expert Systems With Applications</i> , 2021, 175, 114812.	4.4	24
7	BDFL: A Byzantine-Fault-Tolerance Decentralized Federated Learning Method for Autonomous Vehicle. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 8639-8652.	3.9	33
8	Evolutionary Deep Belief Network for Cyber-Attack Detection in Industrial Automation and Control System. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7618-7627.	7.2	42
9	An adaptive fractional-order BP neural network based on extremal optimization for handwritten digits recognition. <i>Neurocomputing</i> , 2020, 391, 260-272.	3.5	58
10	EnLSTM-WPEO: Short-Term Traffic Flow Prediction by Ensemble LSTM, NNCT Weight Integration, and Population Extremal Optimization. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 101-113.	3.9	105
11	Fault-Tolerant Inverter Operation Based on Si/SiC Hybrid Switches. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020, 8, 545-556.	3.7	18
12	VSG Control Strategy Incorporating Voltage Inertia and Virtual Impedance for Microgrids. <i>Energies</i> , 2020, 13, 4263.	1.6	5
13	An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 4689-4699.	3.9	58
14	Fractional-Order Predictive Functional Control of Industrial Processes with Partial Actuator Failures. <i>Complexity</i> , 2020, 2020, 1-26.	0.9	3
15	Fractional-Order Model Predictive Frequency Control of an Islanded Microgrid. <i>Energies</i> , 2019, 12, 84.	1.6	42
16	Constrained multi-objective population extremal optimization based economic-emission dispatch incorporating renewable energy resources. <i>Renewable Energy</i> , 2019, 143, 277-294.	4.3	85
17	A Two-Layer Nonlinear Combination Method for Short-Term Wind Speed Prediction Based on ELM, ENN, and LSTM. <i>IEEE Internet of Things Journal</i> , 2019, 6, 6997-7010.	5.5	186
18	An Electric Load Forecasting Model Based on BP Neural Network and Improved Bat Algorithm Hybridized with Extremal Optimization. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	An Improved Firefly Algorithm Hybridized with Extremal optimization for Parameter Identification of Photovoltaic Models. , 2019, , .		0
20	Adaptive population extremal optimization-based PID neural network for multivariable nonlinear control systems. Swarm and Evolutionary Computation, 2019, 44, 320-334.	4.5	171
21	Design of PID controller based on a self-adaptive state-space predictive functional control using extremal optimization method. Journal of the Franklin Institute, 2018, 355, 2197-2220.	1.9	43
22	Optimization of a robust collaborative-relay beamforming design for simultaneous wireless information and power transfer. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 1432-1443.	1.5	2
23	Optimal Droop Control of Distributed Inverters in a Microgrid Under Autonomous Mode Based on Differential Evolution. , 2018, , .		4
24	Optimal Location of Surge Arresters on an Overhead Distribution Network by Using Binary Particle Swarm Optimization. , 2018, , .		2
25	Population extremal optimization-based extended distributed model predictive load frequency control of multi-area interconnected power systems. Journal of the Franklin Institute, 2018, 355, 8266-8295.	1.9	40
26	Optimal P-Q Control of Grid-Connected Inverters in a Microgrid Based on Adaptive Population Extremal Optimization. Energies, 2018, 11, 2107.	1.6	15
27	A population extremal optimization based modified constrained generalized predictive control method. , 2017, , .		0
28	Thermal sturcutre design of air-cooled heat sinks for power electronic equipments by constrained population extremal optimization. , 2017, , .		1
29	Distributed fractional-order PID control of multi-area interconnected power systems by population based extremal optimization. , 2017, , .		1
30	Binary-coded extremal optimization based fractional-order frequency control of an islanded microgrid. , 2017, , .		1
31	Optimal design of H <sub>2</sub> /H <sub>∞</sub> based robust PID controller by constrained extremal optimization and differential evolution. , 2017, , .		0
32	An Adaptive Model Predictive Load Frequency Control Method for Multi-Area Interconnected Power Systems with Photovoltaic Generations. Energies, 2017, 10, 1840.	1.6	45
33	Design of a Fractional Order Frequency PID Controller for an Islanded Microgrid: A Multi-Objective Extremal Optimization Method. Energies, 2017, 10, 1502.	1.6	69
34	Double Closed-Loop PI Control of Three-Phase Inverters by Binary-Coded Extremal Optimization. IEEE Access, 2016, 4, 7621-7632.	2.6	46
35	A novel real-coded population-based extremal optimization algorithm with polynomial mutation: A non-parametric statistical study on continuous optimization problems. Neurocomputing, 2016, 174, 577-587.	3.5	68
36	An improved multi-objective population-based extremal optimization algorithm with polynomial mutation. Information Sciences, 2016, 330, 49-73.	4.0	100

#	ARTICLE	IF	CITATIONS
37	Design of fractional order PID controller for automatic regulator voltage system based on multi-objective extremal optimization. Neurocomputing, 2015, 160, 173-184.	3.5	247
38	Design of multivariable PID controllers using real-coded population-based extremal optimization. Neurocomputing, 2015, 151, 1343-1353.	3.5	55
39	An Improved Real-Coded Population-Based Extremal Optimization Method for Continuous Unconstrained Optimization Problems. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	5
40	Binary-coded extremal optimization for the design of PID controllers. Neurocomputing, 2014, 138, 180-188.	3.5	78
41	Comparison of binary coded genetic algorithms with different selection strategies for continuous optimization problems. , 2013, , .		3
42	Application of Petri net based deadlock prevention method to a real spectacles production system. , 2011, , .		0
43	Modified extremal optimization for the hard maximum satisfiability problem. Journal of Zhejiang University: Science C, 2011, 12, 589-596.	0.7	42
44	Study on probability distributions for evolution in modified extremal optimization. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1922-1930.	1.2	19