

Thang Trung Nguyen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

1,093
citations

18
h-index

31
g-index

90
ext. papers

1,412
ext. citations

2.8
avg, IF

5.72
L-index

#	Paper	IF	Citations
76	An improved equilibrium optimizer for optimal placement of photovoltaic systems in radial distribution power networks. <i>Neural Computing and Applications</i> , 2022 , 34, 6119	4.8	5
75	Coot Optimization Algorithm for Optimal Placement of Photovoltaic Generators in Distribution Systems Considering Variation of Load and Solar Radiation. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-17	1.1	1
74	Maximize the penetration level of photovoltaic systems and shunt capacitors in distribution systems for reducing active power loss and eliminating conventional power source. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 52, 102253	4.7	
73	An Effective Reactive Power Compensation Method and a Modern Metaheuristic Algorithm for Loss Reduction in Distribution Power Networks. <i>Complexity</i> , 2021 , 2021, 1-21	1.6	0
72	Optimal Placement of Wind Power Plants in Transmission Power Networks by Applying an Effectively Proposed Metaheuristic Algorithm. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-20	1.1	3
71	Cost reduction for energy loss and capacitor investment in radial distribution networks applying novel algorithms. <i>Neural Computing and Applications</i> , 2021 , 33, 15495	4.8	5
70	Optimal radial topology of electric unbalanced and balanced distribution system using improved coyote optimization algorithm for power loss reduction. <i>Neural Computing and Applications</i> , 2021 , 33, 12209-12236	4.8	3
69	Optimal Reactive Power Generation for Transmission Power Systems Considering Discrete Values of Capacitors and Tap Changers. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5378	2.6	4
68	An effective method to solve the problem of electric distribution network reconfiguration considering distributed generations for energy loss reduction. <i>Neural Computing and Applications</i> , 2021 , 33, 1625-1641	4.8	17
67	Optimization of electric distribution network configuration for power loss reduction based on enhanced binary cuckoo search algorithm. <i>Computers and Electrical Engineering</i> , 2021 , 90, 106893	4.3	3
66	Find optimal capacity and location of distributed generation units in radial distribution networks by using enhanced coyote optimization algorithm. <i>Neural Computing and Applications</i> , 2021 , 33, 4343-4371	4.8	17
65	A novel method based on coyote algorithm for simultaneous network reconfiguration and distribution generation placement. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 665-676	4.4	18
64	Applications of metaheuristic algorithms for optimal operation of cascaded hydropower plants. <i>Neural Computing and Applications</i> , 2021 , 33, 6549-6574	4.8	2
63	Finding Radial Network Configuration of Distribution System Based on Modified Symbiotic Organisms Search. <i>Complexity</i> , 2021 , 2021, 1-23	1.6	1
62	Optimal Reactive Power Generation for Radial Distribution Systems Using a Highly Effective Proposed Algorithm. <i>Complexity</i> , 2021 , 2021, 1-36	1.6	3
61	Optimal location and size of photovoltaic systems in high voltage transmission power networks. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 2839-2858	4.4	2
60	Optimal operation of wind-hydrothermal systems considering certainty and uncertainty of wind. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 5431-5461	6.1	3

59	An Effective Method for Minimizing Electric Generation Costs of Thermal Systems with Complex Constraints and Large Scale. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3507	2.6	2
58	Optimal Network Reconfiguration to Reduce Power Loss Using an Initial Searching Point for Continuous Genetic Algorithm. <i>Complexity</i> , 2020 , 2020, 1-21	1.6	5
57	Optimal Reactive Power Flow for Large-Scale Power Systems Using an Effective Metaheuristic Algorithm. <i>Journal of Electrical and Computer Engineering</i> , 2020 , 2020, 1-11	1.9	26
56	Improved Coyote Optimization Algorithm for Optimally Installing Solar Photovoltaic Distribution Generation Units in Radial Distribution Power Systems. <i>Complexity</i> , 2020 , 2020, 1-34	1.6	7
55	Optimal Scheduling of Large-Scale Wind-Hydro-Thermal Systems with Fixed-Head Short-Term Model. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2964	2.6	14
54	Antlion optimization algorithm for optimal non-smooth economic load dispatch. <i>International Journal of Electrical and Computer Engineering</i> , 2020 , 10, 1187	1.4	5
53	Optimal power generation for wind-hydro-thermal system using meta-heuristic algorithms. <i>International Journal of Electrical and Computer Engineering</i> , 2020 , 10, 5123	1.4	2
52	Maximizing Total Profit of Thermal Generation Units in Competitive Electric Market by Using a Proposed Particle Swarm Optimization. <i>Sustainability</i> , 2020 , 12, 1265	3.6	2
51	Maximum Penetration of Distributed Generations and Improvement of Technical Indicators in Distribution Systems. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-16	1.1	2
50	Active Power Loss Reduction for Radial Distribution Systems by Placing Capacitors and PV Systems with Geography Location Constraints. <i>Sustainability</i> , 2020 , 12, 7806	3.6	7
49	Improved social spider optimization algorithm for optimal reactive power dispatch problem with different objectives. <i>Neural Computing and Applications</i> , 2020 , 32, 5919-5950	4.8	28
48	Optimal operation of transmission power networks by using improved stochastic fractal search algorithm. <i>Neural Computing and Applications</i> , 2020 , 32, 9129-9164	4.8	14
47	Optimal Placement of TCSC for Congestion Management and Power Loss Reduction Using Multi-Objective Genetic Algorithm. <i>Sustainability</i> , 2020 , 12, 2813	3.6	15
46	Optimal Load Dispatch in Competitive Electricity Market by Using Different Models of Hopfield Lagrange Network. <i>Energies</i> , 2019 , 12, 2932	3.1	4
45	Determination of Optimal Location and Sizing of Solar Photovoltaic Distribution Generation Units in Radial Distribution Systems. <i>Energies</i> , 2019 , 12, 174	3.1	67
44	A High-Performance Stochastic Fractal Search Algorithm for Optimal Generation Dispatch Problem. <i>Energies</i> , 2019 , 12, 1796	3.1	6
43	Optimal Dispatch of Reactive Power Using Modified Stochastic Fractal Search Algorithm. <i>Complexity</i> , 2019 , 2019, 1-28	1.6	18
42	Finding Optimal Load Dispatch Solutions by Using a Proposed Cuckoo Search Algorithm. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-29	1.1	5

41	A Novel Social Spider Optimization Algorithm for Large-Scale Economic Load Dispatch Problem. <i>Energies</i> , 2019 , 12, 1075	3.1	7
40	An improved cuckoo search algorithm for the problem of electric distribution network reconfiguration. <i>Applied Soft Computing Journal</i> , 2019 , 84, 105720	7.5	39
39	Finding Solutions for Optimal Reactive Power Dispatch Problem by a Novel Improved Antlion Optimization Algorithm. <i>Energies</i> , 2019 , 12, 2968	3.1	24
38	Optimal Power Flow for Transmission Power Networks Using a Novel Metaheuristic Algorithm. <i>Energies</i> , 2019 , 12, 4310	3.1	15
37	Finding optimal reactive power dispatch solutions by using a novel improved stochastic fractal search optimization algorithm. <i>Telkomnika (Telecommunication Computing Electronics and Control)</i> , 2019 , 17, 2517	1.4	9
36	A high performance social spider optimization algorithm for optimal power flow solution with single objective optimization. <i>Energy</i> , 2019 , 171, 218-240	7.9	80
35	The application of an effective cuckoo search algorithm for optimal scheduling of hydrothermal system considering transmission constraints. <i>Neural Computing and Applications</i> , 2019 , 31, 4231-4252	4.8	3
34	An efficient cuckoo bird inspired meta-heuristic algorithm for short-term combined economic emission hydrothermal scheduling. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 483-497	4.4	12
33	An effective cuckoo search algorithm for large-scale combined heat and power economic dispatch problem. <i>Neural Computing and Applications</i> , 2018 , 30, 3545-3564	4.8	38
32	Modified Differential Evolution Algorithm: A Novel Approach to Optimize the Operation of Hydrothermal Power Systems while Considering the Different Constraints and Valve Point Loading Effects. <i>Energies</i> , 2018 , 11, 540	3.1	18
31	Modified Cuckoo Search Algorithm: A Novel Method to Minimize the Fuel Cost. <i>Energies</i> , 2018 , 11, 1328	3.1	13
30	A Novel Algorithm for Optimal Operation of Hydrothermal Power Systems under Considering the Constraints in Transmission Networks. <i>Energies</i> , 2018 , 11, 188	3.1	4
29	An effectively adaptive selective cuckoo search algorithm for solving three complicated short-term hydrothermal scheduling problems. <i>Energy</i> , 2018 , 155, 930-956	7.9	27
28	Improved Firefly Algorithm: A Novel Method for Optimal Operation of Thermal Generating Units. <i>Complexity</i> , 2018 , 2018, 1-23	1.6	20
27	A Novel Method for Economic Dispatch of Combined Heat and Power Generation. <i>Energies</i> , 2018 , 11, 3113	3.1	7
26	Modified cuckoo search algorithm for multiobjective short-term hydrothermal scheduling. <i>Swarm and Evolutionary Computation</i> , 2017 , 37, 73-89	9.8	22
25	Analysis and optimization of a micro-displacement sensor for compliant microgripper. <i>Microsystem Technologies</i> , 2017 , 23, 5375-5395	1.7	20
24	Modified Bat Algorithm for Combined Economic and Emission Dispatch Problem. <i>Lecture Notes in Electrical Engineering</i> , 2017 , 589-597	0.2	2

23	Multi-objective electric distribution network reconfiguration solution using runner-root algorithm. <i>Applied Soft Computing Journal</i> , 2017 , 52, 93-108	7.5	61
22	New Solutions to Modify the Differential Evolution Method for Multi-objective Load Dispatch Problem Considering Quadratic Fuel Cost Function. <i>Lecture Notes in Electrical Engineering</i> , 2017 , 598-607 ^{0.2}		1
21	Solving Bi-Objective Short-Term Cascaded Hydrothermal Scheduling Problem Using Modified Cuckoo Search Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 213-222	0.2	2
20	A Backtracking Search Algorithm for Distribution Network Reconfiguration Problem. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 223-234	0.2	3
19	Cuckoo search algorithm for combined heat and power economic dispatch. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 81, 204-214	5.1	75
18	Bat Algorithm for Economic Emission Load Dispatch Problem. <i>International Journal of Advanced Science and Technology</i> , 2016 , 86, 51-60	1.2	5
17	Solving Short-Term Cascaded Hydrothermal Scheduling Problem Using Modified Cuckoo Search Algorithm. <i>International Journal of Grid and Distributed Computing</i> , 2016 , 9, 67-78	0	6
16	Adaptive Cuckoo Search Algorithm for Short-Term Fixed-Head Hydrothermal Scheduling Problem with Reservoir Volume Constraints. <i>International Journal of Grid and Distributed Computing</i> , 2016 , 9, 191-204 ⁹		8
15	Cuckoo Search Algorithm Using Different Distributions for Short - Term Hydrothermal Scheduling with Reservoir Volume Constraint 2016 , 8, 76-92		11
14	Improved Particle Swarm Optimization for Combined Heat and Power Economic Dispatch. <i>Scientia Iranica</i> , 2016 , 23, 1318-1334	1.5	3
13	Meta-Heuristic Algorithms for Solving Hydrothermal System Scheduling Problem Considering Constraints in Transmission Lines. <i>Global Journal of Technology and Optimization</i> , 2016 , 07,		1
12	A cuckoo bird-inspired meta-heuristic algorithm for optimal short-term hydrothermal generation cooperation. <i>Cogent Engineering</i> , 2016 , 3, 1266863	1.5	3
11	The application of one rank cuckoo search algorithm for solving economic load dispatch problems. <i>Applied Soft Computing Journal</i> , 2015 , 37, 763-773	7.5	63
10	One rank cuckoo search algorithm for short-term hydrothermal scheduling with reservoir constraint 2015 ,		4
9	Modified cuckoo search algorithm for short-term hydrothermal scheduling. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 65, 271-281	5.1	63
8	Augmented Lagrange Hopfield Network Based Method for Multi-objective Hydrothermal Scheduling. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 57-65	0.2	
7	Cuckoo search algorithm for short-term hydrothermal scheduling. <i>Applied Energy</i> , 2014 , 132, 276-287	10.7	82
6	Cuckoo search algorithm using different distributions for short-term hydrothermal scheduling with cascaded hydropower plants 2014 ,		5

5	Economic Emission Load Dispatch with Multiple Fuel Options Using Cuckoo Search Algorithm with Gaussian and Cauchy Distributions. <i>International Journal of Energy Information and Communications</i> , 2014 , 5, 39-54	2	6
4	Multi-Objective Short-Term Fixed Head Hydrothermal Scheduling Using Augmented Lagrange Hopfield Network. <i>Journal of Electrical Engineering and Technology</i> , 2014 , 9, 1882-1890	1.4	5
3	Finding optimal solutions for reaching maximum power energy of hydroelectric plants in cascaded systems. <i>Journal of Ambient Intelligence and Humanized Computing</i> ,1	3.7	1
2	Optimal power flow for an integrated wind-solar-hydro-thermal power system considering uncertainty of wind speed and solar radiation. <i>Neural Computing and Applications</i> ,1	4.8	3
1	Parameter estimation of photovoltaic cell and module models relied on metaheuristic algorithms including artificial ecosystem optimization. <i>Neural Computing and Applications</i> ,1	4.8	0