

Ahmad Rezaee Jordehi

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,555
citations

101543

36
h-index

189892

50
g-index

58
all docs

58
docs citations

58
times ranked

3507
citing authors

#	ARTICLE	IF	CITATIONS
1	Parameter estimation of solar photovoltaic (PV) cells: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 61, 354-371.	16.4	441
2	Optimisation of demand response in electric power systems, a review. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 103, 308-319.	16.4	313
3	Parameter selection in particle swarm optimisation: a survey. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2013, 25, 527-542.	2.8	250
4	Enhanced leader particle swarm optimisation (ELPSO): An efficient algorithm for parameter estimation of photovoltaic (PV) cells and modules. <i>Solar Energy</i> , 2018, 159, 78-87.	6.1	233
5	Enhanced leader PSO (ELPSO): A new PSO variant for solving global optimisation problems. <i>Applied Soft Computing Journal</i> , 2015, 26, 401-417.	7.2	207
6	Time varying acceleration coefficients particle swarm optimisation (TVACPSO): A new optimisation algorithm for estimating parameters of PV cells and modules. <i>Energy Conversion and Management</i> , 2016, 129, 262-274.	9.2	192
7	Allocation of distributed generation units in electric power systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 893-905.	16.4	173
8	Gaussian bare-bones water cycle algorithm for optimal reactive power dispatch in electrical power systems. <i>Applied Soft Computing Journal</i> , 2017, 57, 657-671.	7.2	146
9	An efficient chaotic water cycle algorithm for optimization tasks. <i>Neural Computing and Applications</i> , 2017, 28, 57-85.	5.6	129
10	Maximum power point tracking in photovoltaic (PV) systems: A review of different approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 65, 1127-1138.	16.4	128
11	Energy management in microgrids including smart homes: A multi-objective approach. <i>Sustainable Cities and Society</i> , 2021, 69, 102852.	10.4	127
12	Chaotic bat swarm optimisation (CBSO). <i>Applied Soft Computing Journal</i> , 2015, 26, 523-530.	7.2	125
13	How to deal with uncertainties in electric power systems? A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 96, 145-155.	16.4	123
14	Brainstorm optimisation algorithm (BSOA): An efficient algorithm for finding optimal location and setting of FACTS devices in electric power systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 69, 48-57.	5.5	119
15	Optimal placement and sizing of distribution static compensator (D-STATCOM) in electric distribution networks: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 688-694.	16.4	108
16	A review on constraint handling strategies in particle swarm optimisation. <i>Neural Computing and Applications</i> , 2015, 26, 1265-1275.	5.6	107
17	Particle swarm optimisation for discrete optimisation problems: a review. <i>Artificial Intelligence Review</i> , 2015, 43, 243-258.	15.7	103
18	Particle swarm optimisation (PSO) for allocation of FACTS devices in electric transmission systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 1260-1267.	16.4	90

#	ARTICLE	IF	CITATIONS
19	Binary particle swarm optimisation with quadratic transfer function: A new binary optimisation algorithm for optimal scheduling of appliances in smart homes. <i>Applied Soft Computing Journal</i> , 2019, 78, 465-480.	7.2	78
20	A Multi-objective dynamic framework for design of energy hub by considering energy storage system, power-to-gas technology and integrated demand response program. <i>Journal of Energy Storage</i> , 2022, 50, 104206.	8.1	78
21	Transactive energy framework in multi-carrier energy hubs: A fully decentralized model. <i>Energy</i> , 2022, 238, 121717.	8.8	76
22	Optimisation of electric distribution systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 1088-1100.	16.4	75
23	Enhanced leader PSO (ELPSO): A new algorithm for allocating distributed TCSCs in power systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 64, 771-784.	5.5	70
24	Operation and control strategies of integrated distributed energy resources: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 1412-1420.	16.4	65
25	Particle swarm optimisation for dynamic optimisation problems: a review. <i>Neural Computing and Applications</i> , 2014, 25, 1507-1516.	5.6	58
26	A chaotic-based big bang-big crunch algorithm for solving global optimisation problems. <i>Neural Computing and Applications</i> , 2014, 25, 1329-1335.	5.6	58
27	Optimal allocation of FACTS devices for static security enhancement in power systems via imperialistic competitive algorithm (ICA). <i>Applied Soft Computing Journal</i> , 2016, 48, 317-328.	7.2	57
28	An improved particle swarm optimisation for unit commitment in microgrids with battery energy storage systems considering battery degradation and uncertainties. <i>International Journal of Energy Research</i> , 2021, 45, 727-744.	4.5	56
29	Information gap decision theory (IGDT)-based robust scheduling of combined cooling, heat and power energy hubs. <i>Energy</i> , 2021, 231, 120918.	8.8	55
30	A chaotic artificial immune system optimisation algorithm for solving global continuous optimisation problems. <i>Neural Computing and Applications</i> , 2015, 26, 827-833.	5.6	53
31	Optimal placement of battery swap stations in microgrids with micro pumped hydro storage systems, photovoltaic, wind and geothermal distributed generators. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106483.	5.5	48
32	Day-ahead scheduling of energy hubs with parking lots for electric vehicles considering uncertainties. <i>Energy</i> , 2021, 229, 120709.	8.8	48
33	Operation of energy hubs with storage systems, solar, wind and biomass units connected to demand response aggregators. <i>Sustainable Cities and Society</i> , 2022, 83, 103974.	10.4	45
34	Optimal operation of energy hubs including parking lots for hydrogen vehicles and responsive demands. <i>Journal of Energy Storage</i> , 2022, 50, 104630.	8.1	42
35	Two-stage stochastic programming for scheduling microgrids with high wind penetration including fast demand response providers and fast-start generators. <i>Sustainable Energy, Grids and Networks</i> , 2022, 31, 100694.	3.9	39
36	A Stochastic-IGDT model for energy management in isolated microgrids considering failures and demand response. <i>Applied Energy</i> , 2022, 317, 119162.	10.1	38

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37	Energy management in microgrids with battery swap stations and var compensators. Journal of Cleaner Production, 2020, 272, 122943.	9.3	32
38	Particle swarm optimisation applications in FACTS optimisation problem. , 2013, , .		31
39	A multi-objective bi-level optimization framework for dynamic maintenance planning of active distribution networks in the presence of energy storage systems. Journal of Energy Storage, 2022, 52, 104762.	8.1	30
40	Particle swarm optimisation with opposition learning-based strategy: an efficient optimisation algorithm for day-ahead scheduling and reconfiguration in active distribution systems. Soft Computing, 2020, 24, 18573-18590.	3.6	29
41	Scheduling heat and power microgrids with storage systems, photovoltaic, wind, geothermal power units and solar heaters. Journal of Energy Storage, 2021, 41, 102996.	8.1	29
42	Optimal setting of TCSCs in power systems using teachingâ€“learning-based optimisation algorithm. Neural Computing and Applications, 2015, 26, 1249-1256.	5.6	26
43	Enhanced leader particle swarm optimisation (ELPSO): a new algorithm for optimal scheduling of home appliances in demand response programs. Artificial Intelligence Review, 2020, 53, 2043-2073.	15.7	26
44	Approaches for FACTS optimization problem in power systems. , 2012, , .		23
45	Two-stage stochastic programming for risk-aware scheduling of energy hubs participating in day-ahead and real-time electricity markets. Sustainable Cities and Society, 2022, 81, 103823.	10.4	22
46	Dynamic environmentalâ€“economic load dispatch in gridâ€“connected microgrids with demand response programs considering the uncertainties of demand, renewable generation and market price. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, .	1.9	21
47	Economic dispatch in grid-connected and heat network-connected CHP microgrids with storage systems and responsive loads considering reliability and uncertainties. Sustainable Cities and Society, 2021, 73, 103101.	10.4	18
48	Gravitational search algorithm with linearly decreasing gravitational constant for parameter estimation of photovoltaic cells. , 2017, , .		16
49	A stochastic model for participation of virtual power plants in futures markets, pool markets and contracts with withdrawal penalty. Journal of Energy Storage, 2022, 50, 104334.	8.1	16
50	A mixed binaryâ€“continuous particle swarm optimisation algorithm for unit commitment in microgrids considering uncertainties and emissions. International Transactions on Electrical Energy Systems, 2020, 30, e12581.	1.9	14
51	Seeker optimisation (human group optimisation) algorithm with chaos. Journal of Experimental and Theoretical Artificial Intelligence, 2015, 27, 753-762.	2.8	12
52	Heuristic methods for solution of FACTS optimization problem in power systems. , 2011, , .		11
53	Dynamic Economic Load Dispatch in Isolated Microgrids with Particle Swarm Optimisation considering Demand Response. , 2020, , .		11
54	Optimal placement of Multi-type FACTS devices in power systems using evolution strategies. , 2011, , .		10

#	ARTICLE	IF	CITATIONS
55	A novel analytical approach to optimize the work functions of dual-material double-gate Tunneling-FETs. Superlattices and Microstructures, 2019, 126, 63-71.	3.1	10
56	Optimal Scheduling of Home Appliances in Home Energy Management Systems Using Grey Wolf Optimisation (Gwo) Algorithm. , 2019, , .		9
57	DG allocation and reconfiguration in distribution systems by metaheuristic optimisation algorithms: a comparative analysis. , 2018, , .		3
58	Representation of an engineered double-step structure SOI-TFET with linear doped channel for electrical performance improvement: a 2D numerical simulation study. Semiconductor Science and Technology, 2020, 35, 065006.	2.0	3