Rahmat Khezri

List of Publications by Year
in descending order

64	1,264	361045 20	414034 32
papers	citations	h-index	g-index

64	64	64	682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative study of metaheuristic algorithms for optimal sizing of standalone microgrids in a remote area community. Neural Computing and Applications, 2022, 34, 5181-5199.	3.2	22
2	Optimal planning of solar photovoltaic and battery storage for electric vehicle owner households with timeâ€ofâ€use tariff. IET Generation, Transmission and Distribution, 2022, 16, 535-547.	1.4	19
3	Optimal planning of solar photovoltaic and battery storage systems for grid-connected residential sector: Review, challenges and new perspectives. Renewable and Sustainable Energy Reviews, 2022, 153, 111763.	8.2	111
4	Resiliency-Oriented Optimal Planning for a Grid-Connected System With Renewable Resources and Battery Energy Storage. IEEE Transactions on Industry Applications, 2022, 58, 2471-2482.	3.3	14
5	Microgrids planning for residential electrification in rural areas. , 2022, , 1-25.		3
6	Impact of Optimal Sizing of Wind Turbine and Battery Energy Storage for a Grid-Connected Household With/Without an Electric Vehicle. IEEE Transactions on Industrial Informatics, 2022, 18, 5838-5848.	7.2	17
7	Interactive Multi-level planning for energy management in clustered microgrids considering flexible demands. International Journal of Electrical Power and Energy Systems, 2022, 138, 107978.	3.3	11
8	Multiobjective Optimization of System Configuration and Component Capacity in an AC Minigrid Hybrid Power System. IEEE Transactions on Industry Applications, 2022, 58, 4158-4170.	3.3	10
9	Optimal Planning of Remote Microgrids with Multi-Size Split-Diesel Generators. Sustainability, 2022, 14, 2892.	1.6	8
10	Optimal planning of solar PV and battery storage with energy management systems for Timeâ€ofâ€Use and flat electricity tariffs. IET Renewable Power Generation, 2022, 16, 1206-1219.	1.7	8
11	Modeling the risk-based decisions of the microgrid in day-ahead energy and reserve markets considering stochastic dispatching of electrical and thermal energy storages. Energy Conversion and Management: X, 2022, 14, 100201.	0.9	0
12	Optimal sizing and comparative analysis of rooftop PV and battery for grid-connected households with all-electric and gas-electricity utility. Energy, 2022, 251, 123876.	4.5	15
13	An intelligent adaptive control of DCâ€“DC power buck converters. International Journal of Electrical Power and Energy Systems, 2022, 141, 108099.	3.3	19
14	Multiobjective Long-Period Optimal Planning Model for a Grid-Connected Renewable-Battery System. IEEE Transactions on Industry Applications, 2022, 58, 5055-5067.	3.3	8
15	A clusteringâ€based technoeconomic analysis for wind farm and shunt capacitor allocation in radial distribution systems. International Transactions on Electrical Energy Systems, 2021, 31, .	1.2	10
16	Robust Model Predictive Control of Gate-Controlled Series Capacitor for LFC of Power Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 4766-4776.	7.2	34
17	Optimal Sizing of Rooftop PV and Battery Storage for Grid-Connected Houses Considering Flat and Time-of-Use Electricity Rates. Energies, 2021, 14, 3520.	1.6	28
18	Energy Management Systems for Grid-Connected Houses with Solar PV and Battery by Considering Flat and Time-of-Use Electricity Rates. Energies, 2021, 14, 5028.	1.6	9

#	Article	IF	Citations
19	Optimal Planning of Remote Area Electricity Supply Systems: Comprehensive Review, Recent Developments and Future Scopes. Energies, 2021, 14, 5900.	1.6	5
20	A Demand Side Management Approach For Optimal Sizing of Standalone Renewable-Battery Systems. IEEE Transactions on Sustainable Energy, 2021, 12, 2184-2194.	5.9	41
21	Battery Lifetime Modelling in Planning Studies of Microgrids: A Review. , 2021, , .		2
22	Optimal Sizing of Grid-tied Residential Microgrids Under Real-Time Pricing. , 2021, , .		0
23	Energy Management and Optimal Planning of a Residential Microgrid with Time-of-Use Electricity Tariffs. , 2021, , .		3
24	A robust data clustering method for probabilistic load flow in wind integrated radial distribution networks. International Journal of Electrical Power and Energy Systems, 2020, 115, 105392.	3.3	28
25	Risk-constrained stochastic optimal allocation of energy storage system in virtual power plants. Journal of Energy Storage, 2020, 31, 101732.	3.9	44
26	An Intelligent Fuzzy Control Approach for a Back-Pressure Autonomous Industrial Microgrid. , 2020, , .		2
27	Optimal Capacity of Solar PV and Battery Storage for Australian Grid-Connected Households. IEEE Transactions on Industry Applications, 2020, 56, 5319-5329.	3.3	102
28	<scp>ACâ€coupled</scp> hybrid power system optimisation for an Australian remote community. International Transactions on Electrical Energy Systems, 2020, 30, e12503.	1.2	15
29	Review on the stateâ€ofâ€theâ€art multiâ€objective optimisation of hybrid standalone/gridâ€connected energy systems. IET Generation, Transmission and Distribution, 2020, 14, 4285-4300.	1.4	69
30	Optimal Planning of Renewable Energy Resources and Battery Storage System for an Educational Campus in South Australia. , 2020, , .		5
31	Multi-Objective Optimization of Solar PV and Battery Storage System for A Grid-Connected Household. , 2020, , .		6
32	A Comparative Study of Optimal Battery Storage and Fuel Cell for a Clean Power System in Remote Area. , 2020, , .		0
33	Intelligent coordinators for automatic voltage regulator and power system stabiliser in a multiâ€machine power system. IET Generation, Transmission and Distribution, 2020, 14, 5480-5490.	1.4	19
34	Two-Stage Optimal Sizing of Standalone Hybrid Electricity Systems with Time-of-Use Incentive Demand Response. , 2020, , .		8
35	An intelligent coordinator design for GCSC and AGC in a two-area hybrid power system. Applied Soft Computing Journal, 2019, 76, 491-504.	4.1	51
36	Performance Investigation of Stand-Alone Hybrid Wind-Solar Home-Microgrids with Battery Storage System. Smart Science, 2019, 7, 239-251.	1.9	4

#	Article	IF	Citations
37	Automatic Generation Control Incorporating Electric Vehicles. Electric Power Components and Systems, 2019, 47, 720-732.	1.0	47
38	Model Predictive-Based Secondary Frequency Control Considering Heat Pump Water Heaters. Energies, 2019, 12, 411.	1.6	23
39	Data clusteringâ€based approach for optimal capacitor allocation in distribution systems including wind farms. IET Generation, Transmission and Distribution, 2019, 13, 3397-3408.	1.4	18
40	Optimal WT, PV and BES based Energy Systems for Standalone Households in South Australia. , 2019, , .		11
41	Optimal Capacity of PV and BES for Grid-connected Households in South Australia. , 2019, , .		19
42	SWT and BES Optimisation for Grid-connected Households in South Australia. , 2019, , .		14
43	Optimal sizing of an ACâ€coupled hybrid power system considering incentiveâ€based demand response. IET Generation, Transmission and Distribution, 2019, 13, 3354-3361.	1.4	43
44	Costâ€effective sizing of an AC miniâ€grid hybrid power system for a remote area in South Australia. IET Generation, Transmission and Distribution, 2019, 13, 277-287.	1.4	45
45	Optimal sizing of energy storage system. , 2019, , 263-289.		12
46	Intelligent secondary control in smart microgrids: an on-line approach for islanded operations. Optimization and Engineering, 2018, 19, 917-936.	1.3	13
47	Toward intelligent transient stability enhancement in inverter-based microgrids. Neural Computing and Applications, 2018, 30, 2709-2723.	3.2	10
48	A two-stage robust-intelligent controller design for efficient LFC based on Kharitonov theorem and fuzzy logic. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 1445-1454.	3.3	28
49	Three-Stage Fuzzy Coordinator for Dynamic Stability Enhancement of Multi-Machine Power System Considering Various Penetration Levels of Wind Turbines. Electric Power Components and Systems, 2018, 46, 1185-1197.	1.0	5
50	On the Contribution of Wind Farms in Automatic Generation Control: Review and New Control Approach. Applied Sciences (Switzerland), 2018, 8, 1848.	1.3	22
51	Direct Probabilistic Load Flow in Radial Distribution Systems Including Wind Farms: An Approach Based on Data Clustering. Energies, 2018, 11, 310.	1.6	22
52	Coordination of Heat Pumps, Electric Vehicles and AGC for Efficient LFC in a Smart Hybrid Power System via SCA-Based Optimized FOPID Controllers. Energies, 2018, 11, 420.	1.6	56
53	Efficient Voltage Control in Proton Exchange Membrane Fuel Cell: An Approach based on Intelligent Algorithms. IETE Journal of Research, 2017, 63, 216-224.	1.8	3
54	Multi-layer fuzzy-based under-frequency load shedding in back-pressure smart industrial microgrids. Energy, 2017, 132, 96-105.	4.5	22

#	Article	IF	Citations
55	Application of IPSO and fuzzy logic methods in electrical vehicles for efficient frequency control of multi-area power systems. , 2017, , .		11
56	Application of IPSO algorithm in DFIG-based wind turbines for efficient frequency control of multi-area power systems. , 2017, , .		5
57	Stability Enhancement in Multi-Machine Power Systems by Fuzzy-Based Coordinated AVR-PSS. , 2017, , 235-249.		0
58	Fuzzy Logic Based Fine-tuning Approach for Robust Load Frequency Control in a Multi-area Power System. Electric Power Components and Systems, 2016, 44, 2073-2083.	1.0	39
59	Intelligent over-current protection scheme in inverter-based microgrids. , 2015, , .		3
60	Stability Enhancement in Multi-Machine Power Systems by Fuzzy-based Coordinated AVR-PSS. International Journal of Energy Optimization and Engineering, 2015, 4, 36-50.	0.4	1
61	Voltage performance enhancement of DFIG-based wind farms integrated in large-scale power systems: Coordinated AVR and PSS. International Journal of Electrical Power and Energy Systems, 2015, 73, 400-410.	3.3	34
62	Impacts of wind and conventional power coordination on the short-term frequency performance. , 2015, , .		3
63	AVR and PSS coordinated based fuzzy approach for transient stability enhancement. , 2015, , .		1
64	Fuzzy-based coordinated control design for AVR and PSS in multi-machine power systems. , 2013, , .		4