

Sasan Pirouzi

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,810
citations

159358

30
h-index

344852

36
g-index

39
all docs

39
docs citations

39
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust multi-objective optimal design of islanded hybrid system with renewable and diesel sources/stationary and mobile energy storage systems. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 148, 111295.	8.2	194
2	Robust linear architecture for active/reactive power scheduling of EV integrated smart distribution networks. <i>Electric Power Systems Research</i> , 2018, 155, 8-20.	2.1	86
3	A flexible-reliable operation optimization model of the networked energy hubs with distributed generations, energy storage systems and demand response. <i>Energy</i> , 2022, 239, 121923.	4.5	81
4	A Robust Optimization Approach for Active and Reactive Power Management in Smart Distribution Networks Using Electric Vehicles. <i>IEEE Systems Journal</i> , 2018, 12, 2699-2710.	2.9	78
5	Grid-connected energy hubs in the coordinated multi-energy management based on day-ahead market framework. <i>Energy</i> , 2019, 188, 116055.	4.5	63
6	Flexible, reliable, and renewable power system resource expansion planning considering energy storage systems and demand response programs. <i>IET Renewable Power Generation</i> , 2019, 13, 1862-1872.	1.7	62
7	Robust planning of distributed battery energy storage systems in flexible smart distribution networks: A comprehensive study. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 123, 109739.	8.2	62
8	Exploring potential storage-based flexibility gains of electric vehicles in smart distribution grids. <i>Journal of Energy Storage</i> , 2022, 52, 105056.	3.9	56
9	Two alternative robust optimization models for flexible power management of electric vehicles in distribution networks. <i>Energy</i> , 2017, 141, 635-651.	4.5	52
10	Hybrid stochastic/robust optimization model for resilient architecture of distribution networks against extreme weather conditions. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 126, 106576.	3.3	52
11	Integrated resource expansion planning of wind integrated power systems considering demand response programmes. <i>IET Renewable Power Generation</i> , 2019, 13, 519-529.	1.7	50
12	Effects of resilience-oriented design on distribution networks operation planning. <i>Electric Power Systems Research</i> , 2021, 191, 106902.	2.1	45
13	Multi-objective resilient-constrained generation and transmission expansion planning against natural disasters. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 132, 107193.	3.3	45
14	Coordinated expansion planning problem considering wind farms, energy storage systems and demand response. <i>Energy</i> , 2022, 239, 122321.	4.5	45
15	Power Conditioning of Distribution Networks via Single-Phase Electric Vehicles Equipped. <i>IEEE Systems Journal</i> , 2019, 13, 3433-3442.	2.9	44
16	Two-stage hybrid stochastic/robust optimal coordination of distributed battery storage planning and flexible energy management in smart distribution network. <i>Journal of Energy Storage</i> , 2019, 26, 100970.	3.9	43
17	Renewable Generation and Transmission Expansion Planning Coordination with Energy Storage System: A Flexibility Point of View. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3303.	1.3	42
18	Proactive operation of electric vehicles in harmonic polluted smart distribution networks. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 967-975.	1.4	40

#	ARTICLE	IF	CITATIONS
19	Hybrid stochastic/robust flexible and reliable scheduling of secure networked microgrids with electric springs and electric vehicles. <i>Applied Energy</i> , 2021, 300, 117395.	5.1	40
20	Mathematical modeling of electric vehicles contributions in voltage security of smart distribution networks. <i>Simulation</i> , 2019, 95, 429-439.	1.1	39
21	Flexibility Planning of Distributed Battery Energy Storage Systems in Smart Distribution Networks. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020, 44, 1105-1121.	1.5	39
22	Flexible operation of grid-connected microgrid using ES. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 254-264.	1.4	39
23	Conjugate active and reactive power management in a smart distribution network through electric vehicles: A mixed integer-linear programming model. <i>Sustainable Energy, Grids and Networks</i> , 2020, 22, 100344.	2.3	39
24	Security-Constrained generation and transmission expansion planning based on optimal bidding in the energy and reserve markets. <i>Electric Power Systems Research</i> , 2021, 193, 107017.	2.1	39
25	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.	2.3	39
26	Exploring prospective benefits of electric vehicles for optimal energy conditioning in distribution networks. <i>Energy</i> , 2018, 157, 679-689.	4.5	37
27	Hybrid planning of distributed generation and distribution automation to improve reliability and operation indices. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 135, 107540.	3.3	37
28	A risk-averse two-stage stochastic model for planning retailers including self-generation and storage system. <i>Journal of Energy Storage</i> , 2022, 51, 104380.	3.9	35
29	Hybrid stochastic/robust scheduling of the grid-connected microgrid based on the linear coordinated power management strategy. <i>Sustainable Energy, Grids and Networks</i> , 2020, 24, 100400.	2.3	34
30	A new two-layer model for energy management in the smart distribution network containing flexi-renewable virtual power plant. <i>Electric Power Systems Research</i> , 2021, 194, 107085.	2.1	34
31	Holistic approach to resilient electrical energy distribution network planning. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 132, 107212.	3.3	34
32	A Novel and High-Gain Switched-Capacitor and Switched-Inductor-Based DC/DC Boost Converter With Low Input Current Ripple and Mitigated Voltage Stresses. <i>IEEE Access</i> , 2022, 10, 32782-32802.	2.6	31
33	Adaptive robust operation of the active distribution network including renewable and flexible sources. <i>Sustainable Energy, Grids and Networks</i> , 2021, 26, 100476.	2.3	30
34	Flexibility pricing of integrated unit of electric spring and EVs parking in microgrids. <i>Energy</i> , 2022, 239, 122080.	4.5	30
35	Coordinated flexible energy and self-healing management according to the multi-agent system-based restoration scheme in active distribution network. <i>IET Renewable Power Generation</i> , 2021, 15, 1765-1777.	1.7	26
36	Investigation on reactive power support capability of PEVs in distribution network operation. , 2015, , .		25

#	ARTICLE	IF	CITATIONS
37	Evaluating the security of electrical energy distribution networks in the presence of electric vehicles. , 2017, , .		19
38	Bi-level fuzzy stochastic-robust model for flexibility valorizing of renewable networked microgrids. Sustainable Energy, Grids and Networks, 2022, 31, 100684.	2.3	16
39	Enhancing Distribution Network Indices Using Electric Spring under Renewable Generation Permission. , 2019, , .		8