Hamed Hashemi-Dezaki

List of Publications by Year
in descending order

66 papers	1,394 citations	361388 20 h-index	361001 35 g-index
67 all docs	67 docs citations	67 times ranked	1137 citing authors

#	ARTICLE	IF	CITATIONS
1	Harmonic-based expected life estimation of electric arc furnace's high voltage polymeric insulated cables based on electro-thermal stresses considering sheath bonding methods and transient over-voltages. Electric Power Systems Research, 2022, 204, 107699.	3.6	1
2	Optimized cyber-attack detection method of power systems using sliding mode observer. Electric Power Systems Research, 2022, 205, 107745.	3.6	8
3	Harmonic-based 3D thermal analysis of thyristor-controlled reactor's power cable joints considering external electromagnetic fields. Electric Power Systems Research, 2022, 205, 107727.	3.6	5
4	Optimal stochastic energy management of electrical railway systems considering renewable energy resources' uncertainties and interactions with utility grid. Energy Science and Engineering, 2022, 10, 578-599.	4.0	8
5	Optimal probabilistic reliability-oriented planning of islanded microgrids considering hydrogen-based storage systems, hydrogen vehicles, and electric vehicles under various climatic conditions. Journal of Power Sources, 2022, 525, 231100.	7.8	27
6	A scenario-based approach for optimal operation of energy hub under different schemes and structures. Energy, 2022, 251, 123740.	8.8	18
7	A novel clustering-based method for reliability assessment of cyber-physical microgrids considering cyber interdependencies and information transmission errors. Applied Energy, 2022, 315, 119032.	10.1	6
8	Optimal Protection of Smart Grids Using Communication-based Dual-setting Directional Overcurrent Relays Considering Different Grid Configurations. , 2022, , .		2
9	Optimal Protective Coordination of Microgrids Considering N-1 Contingency Using Dual Characteristics Directional Overcurrent Relays. , 2022, , .		1
10	Clustering-based reliability assessment of smart grids by fuzzy c-means algorithm considering direct cyber–physical interdependencies and system uncertainties. Sustainable Energy, Grids and Networks, 2022, 31, 100757.	3.9	3
11	Optimal Electric Arc Furnace Model's Characteristics Using Genetic Algorithm and Particle Swarm Optimization and Comparison of Various Optimal Characteristics in DIgSILENT and EMTP-RV. International Transactions on Electrical Energy Systems, 2022, 2022, 1-20.	1.9	3
12	Robust optimal operation of energy hub incorporating integrated thermal and electrical demand response programs under various electric vehicle charging modes. Applied Energy, 2022, 321, 119344.	10.1	11
13	Optimal linearized operation of electric railway system in the presence of flexible renewable sources and switchable capacitor banks considering supply and demand sides' uncertainties. Electric Power Systems Research, 2022, 211, 108254.	3.6	0
14	Optimal microgrid's protection coordination considering N-1 contingency and optimum relay characteristics. Applied Soft Computing Journal, 2021, 98, 106741.	7.2	21
15	Optimal Scenario-based Operation and Scheduling of Residential Energy Hubs Including Plug-in Hybrid Electric Vehicle and Heat Storage System Considering the Uncertainties of Electricity Price and Renewable Distributed Generations. Journal of Energy Storage, 2021, 33, 102038.	8.1	54
16	Stochastic operation and scheduling of energy hub considering renewable energy sources' uncertainty and N-1 contingency. Sustainable Cities and Society, 2021, 65, 102578.	10.4	47
17	Investigation of impacts of plug-in hybrid electric vehicles' stochastic characteristics modeling on smart grid reliability under different charging scenarios. Journal of Cleaner Production, 2021, 287, 125500.	9.3	39
18	Optimal stochastic scenario-based allocation of smart grids' renewable and non-renewable distributed generation units and protective devices. Sustainable Energy Technologies and Assessments, 2021, 44, 101033.	2.7	9

#	Article	IF	Citations
19	Reliability evaluation of smart grid using various classic and metaheuristic clustering algorithms considering system uncertainties. International Transactions on Electrical Energy Systems, 2021, 31, e12902.	1.9	16
20	Reliability Evaluation of Smart Microgrids Considering Cyber Failures and Disturbances under Various Cyber Network Topologies and Distributed Generation's Scenarios. Sustainability, 2021, 13, 5695.	3.2	20
21	Effect of vibration on the rheological properties of glycerin during its purification. Journal of Vibroengineering, 2021, 23, 1095-1108.	1.0	3
22	Optimal stochastic operation of residential energy hubs based on plug-in hybrid electric vehicle uncertainties using two-point estimation method. Sustainable Cities and Society, 2021, 72, 103059.	10.4	22
23	Distributed trust-based unscented Kalman filter for non-linear state estimation under cyber-attacks: The application of manoeuvring target tracking over wireless sensor networks. IET Control Theory and Applications, 2021, 15, 1987-1998.	2.1	3
24	Barrier analysis of solar PV energy development in the context of Iran using fuzzy AHP-TOPSIS method. Sustainable Energy Technologies and Assessments, 2021, 47, 101549.	2.7	20
25	Harmonic-based thermal analysis of electric arc furnace's power cables considering even current harmonics, forced convection, operational scheduling, and environmental conditions. International Journal of Thermal Sciences, 2021, 170, 107135.	4.9	8
26	Optimal stability-oriented protection coordination of smart grid's directional overcurrent relays based on optimized tripping characteristics in double-inverse model using high-set relay. International Journal of Electrical Power and Energy Systems, 2021, 133, 107249.	5.5	16
27	Evaluating the electromagnetic forces on the electric arc furnaces' power cables under various operation conditions. Electric Power Systems Research, 2021, 201, 107553.	3.6	2
28	Deep Learning Techniques and COVID-19 Drug Discovery: Fundamentals, State-of-the-Art and Future Directions. Studies in Systems, Decision and Control, 2021, , 9-31.	1.0	24
29	Optimal operation and scheduling of residential energy hubs simultaneously considering optimal sizing of heat storage and battery storage systems. Journal of Energy Storage, 2021, 44, 103481.	8.1	12
30	Optimal Protection Coordination of Dual-Setting Directional Overcurrent Relays Based on Three-point Coordination Strategy. , 2021, , .		2
31	Optimal Protection Scheme Of Micro-Grids Considering N-1 Contingency By A New Hybrid GA-PSO-LP Optimization Algorithm. , 2021, , .		2
32	A novel generalized analytical reliability assessment method of smart grids including renewable and non-renewable distributed generations and plug-in hybrid electric vehicles. Reliability Engineering and System Safety, 2020, 196, 106746.	8.9	40
33	Multi-year load growth-based optimal planning of grid-connected microgrid considering long-term load demand forecasting: A case study of Tehran, Iran. Sustainable Energy Technologies and Assessments, 2020, 42, 100827.	2.7	25
34	Optimization of the scheduling and operation of prosumers considering the loss of life costs of battery storage systems. Journal of Energy Storage, 2020, 31, 101655.	8.1	30
35	Optimal probabilistic scenario-based operation and scheduling of prosumer microgrids considering uncertainties of renewable energy sources. Energy Science and Engineering, 2020, 8, 3942-3960.	4.0	33
36	Optimal Day-Ahead Self-Scheduling and Operation of Prosumer Microgrids Using Hybrid Machine Learning-Based Weather and Load Forecasting. IEEE Access, 2020, 8, 157284-157305.	4.2	65

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37	Artificial Intelligence and COVID-19: Deep Learning Approaches for Diagnosis and Treatment. IEEE Access, 2020, 8, 109581-109595.	4.2	386
38	Optimal Day-Ahead Scheduling and Operation of the Prosumer by Considering Corrective Actions Based on Very Short-Term Load Forecasting. IEEE Access, 2020, 8, 83561-83582.	4.2	30
39	Developing an Energy Management System for Optimal Operation of Prosumers Based on a Modified Data-Driven Weather Forecasting Method. , 2020, , .		3
40	Optimal Techno-economic Sequence-based Set of Diagnostic Tests for Distribution Transformers Using Genetic Algorithm. Periodica Polytechnica Electrical Engineering and Computer Science, 2020, 64, 406-411.	1.0	1
41	Reliability evaluation of active distribution networks based on scenario reduction method using PSO algorithm. , 2020, , .		3
42	Sensitivity Analysis of Distribution System Reliability for Identifying the Critical Elements. , 2019, , .		1
43	Reliability optimization of smart grid based on optimal allocation of protective devices, distributed energy resources, and electric vehicle/plug-in hybrid electric vehicle charging stations. Journal of Power Sources, 2019, 436, 226824.	7.8	47
44	Impacts of load modeling on generalized analytical reliability assessment of smart grid under various penetration levels of wind/solar/non-renewable distributed generations. Sustainable Energy, Grids and Networks, 2019, 20, 100246.	3.9	25
45	Direct cyber-power interdependencies-based reliability evaluation of smart grids including wind/solar/diesel distributed generations and plug-in hybrid electrical vehicles. International Journal of Electrical Power and Energy Systems, 2017, 93, 1-14.	5.5	36
46	Voltage regulation in transmission line by shunt flexible AC transmission system devices. , 2017, , .		2
47	Risk management of smart grids based on plug-in hybrid electric vehicles' charging considering transformers' hottest spot temperature-dependent aging failures. Journal of Renewable and Sustainable Energy, 2016, 8, 034102.	2.0	8
48	Sensitivity analysis of smart grids reliability due to indirect cyber-power interdependencies under various DG technologies, DG penetrations, and operation times. Energy Conversion and Management, 2016, 108, 377-391.	9.2	30
49	Impacts of direct cyber–power interdependencies on smart grid reliability under various penetration levels of microturbine/wind/solar distributed generations. IET Generation, Transmission and Distribution, 2016, 10, 928-937.	2.5	43
50	Investigation of SFCL impacts on crowbar protection of DFIG based wind turbine. , 2015, , .		2
51	Reliability optimization of electrical distribution systems using internal loops to minimize energy not-supplied (ENS). Journal of Applied Research and Technology, 2015, 13, 416-424.	0.9	17
52	Risk management of smart grids based on managed charging of PHEVs and vehicle-to-grid strategy using Monte Carlo simulation. Energy Conversion and Management, 2015, 100, 262-276.	9.2	71
53	A general approach for optimal allocation of FACTS devices using equivalent impedance models of VSCs. International Transactions on Electrical Energy Systems, 2015, 25, 1187-1203.	1.9	4
54	A novel approach based on reliability sensitivity analysis to allocate protective devices. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 315-326.	1.4	2

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55	Optimized Allocation of DGs to Improve System Reliability Based on Loading Effects. Arabian Journal for Science and Engineering, 2014, 39, 3907-3915.	1.1	7
56	NEW APPROACH TO OPTIMIZE THE APFS PLACEMENT BASED ON INSTANTANEOUS REACTIVE POWER THEORY BY GENETIC ALGORITHM. Journal of Electrical Engineering, 2014, 65, 12-20.	0.7	7
57	Optimized allocation of STATCOMs based on equivalent impedance modeling of VSCs using genetic algorithm. , 2013, , .		2
58	Optimized Placement of Connecting the Distributed Generationswork Stand Alone to Improve the Distribution Systems Reliability. Journal of Electrical Engineering, 2013, 64, 76-83.	0.7	1
59	Optimized operation and maintenance costs to improve system reliability by decreasing the failure rate of distribution lines. Turkish Journal of Electrical Engineering and Computer Sciences, 2013, 21, 2191-2204.	1.4	2
60	A new method based on sensitivity analysis to optimize the placement of SSSCs. Turkish Journal of Electrical Engineering and Computer Sciences, 2013, 21, 1956-1971.	1.4	10
61	Optimized Switch Allocation to Improve the Restoration Energy in Distribution Systems. Journal of Electrical Engineering, 2012, 63, .	0.7	15
62	Effect of the PV/FC hybrid power generation system on total line loss in distribution network. , 2010, , .		1
63	Reducing the impact of DG in distribution networks protection using fault current limiters. , 2010, , .		23
64	Optimized protective devices allocation in electric power distribution systems based on the current conditions of the devices. , 2010, , .		8
65	A Scenario-Based Approach for Optimal Operation of Energy Hub Under Different Schemes and Structures. SSRN Electronic Journal, 0, , .	0.4	0
66	Acute otitis media and Covid-19 symptoms: a case report. Audiology, 0, , .	0.0	0