Mahmood Joorabian

List of Publications by Year
in descending order

63	999	516710 16	477307 29
papers	citations	h-index	g-index

63	63	63	1024
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An algorithm scheme for detecting single-circuit, inter-circuit, and grounded double-circuit cross-country faults in GUPFC-compensated double-circuit transmission lines. Electrical Engineering, 2022, 104, 2021-2044.	2.0	2
2	Machine learning-based very short-term load forecasting in microgrid environment: evaluating the impact of high penetration of PV systems. Electrical Engineering, 2022, 104, 2667-2677.	2.0	4
3	Flexible-reliable operation of green microgrids including sources and energy storage-based active loads considering ANFIS-based data forecasting method. Electric Power Systems Research, 2022, 210, 108107.	3.6	5
4	Fault classification and fault area detection in GUPFC-compensated double-circuit transmission lines based on the analysis of active and reactive powers measured by PMUs. Measurement: Journal of the International Measurement Confederation, 2021, 169, 108499.	5.0	20
5	Fault Location in Double-Circuit Transmission Lines Compensated by Generalized Unified Power Flow Controller (GUPFC) Based on Synchronous Current and Voltage Phasors. IEEE Systems Journal, 2021, 15, 2190-2200.	4.6	13
6	High dimensional very short-term solar power forecasting based on a data-driven heuristic method. Energy, 2021, 219, 119647.	8.8	35
7	Biâ€level power management strategy in harmonicâ€polluted active distribution network including virtual power plants. IET Renewable Power Generation, 2021, 15, 462-476.	3.1	22
8	Interâ€circuit fault location algorithm in generalized unified power flow controllerâ€compensated doubleâ€circuit transmission lines based on synchronous current and voltage phasors of line terminals. IET Generation, Transmission and Distribution, 2021, 15, 1841-1857.	2.5	2
9	Location of double-circuit grounded cross-country faults in GUPFC-compensated transmission lines based on current and voltage phasors analysis. Electric Power Systems Research, 2021, 195, 107124.	3.6	6
10	Fault location determination in three-terminal transmission lines connected to industrial microgrids without requiring fault classification data and independent of line parameters. International Journal of Electrical Power and Energy Systems, 2021, 131, 107044.	5.5	19
11	Distribution system reconfiguration in presence of Internet ofÂthings. IET Generation, Transmission and Distribution, 2021, 15, 1290-1303.	2.5	8
12	Accurate simulation and modeling of the control system and the power electronics of a 72-pulse VSC-based generalized unified power flow controller (GUPFC). Electrical Engineering, 2020, 102, 1795-1819.	2.0	16
13	An efficient hour-ahead electrical load forecasting method based on innovative features. Energy, 2020, 201, 117511.	8.8	30
14	Adaptive boundary determination for network reduction in longâ€term voltage stability analyses. IET Generation, Transmission and Distribution, 2020, 14, 1251-1260.	2.5	0
15	Agentâ€based situational awareness system for severity in closeness of voltage instability occurrence. IET Generation, Transmission and Distribution, 2020, 14, 5834-5843.	2.5	1
16	Three-phase amplitude adaptive notch filter control design of DSTATCOM under unbalanced/distorted utility voltage conditions. Journal of Intelligent and Fuzzy Systems, 2019, 37, 847-865.	1.4	19
17	A multiple chance-constrained model for optimal scheduling of microgrids considering normal and emergency operation. International Journal of Electrical Power and Energy Systems, 2019, 112, 370-380.	5.5	17
18	Providing a new method for protecting the loss of excitation of generator in the presence of phaseâ€shifting transformer. International Transactions on Electrical Energy Systems, 2019, 29, e12023.	1.9	1

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19	Estimation of voltage instability inception time by employing kâ€nearest neighbour learning algorithm. IET Generation, Transmission and Distribution, 2019, 13, 2907-2918.	2.5	3
20	Smart grid realization with introducing unified power quality conditioner integrated with DC microgrid. Electric Power Systems Research, 2017, 151, 68-85.	3.6	34
21	On-line switched control of a six-phase induction generator in faulted mode. International Journal of Electrical Power and Energy Systems, 2017, 88, 75-86.	5.5	8
22	Multi-objective energy management of a micro-grid considering uncertainty in wind power forecasting. Energy, 2017, 139, 680-693.	8.8	85
23	New travellingâ€waveâ€based protection algorithm for parallel transmission lines during interâ€circuit faults. IET Generation, Transmission and Distribution, 2017, 11, 3984-3991.	2.5	15
24	Hybrid Islanding Detection in Microgrid With Multiple Connection Points to Smart Grids Using Fuzzy-Neural Network. IEEE Transactions on Power Systems, 2017, 32, 2640-2651.	6.5	91
25	Robust control of a six-phase induction generator under open-phase fault conditions. , 2016, , .		3
26	A Novel Strategy for Sensorless Control Modification of a Six-phase Induction Generator in Faulted Mode. Electric Power Components and Systems, 2016, 44, 941-953.	1.8	6
27	Estimation of time to voltage collapse. , 2016, , .		4
28	Unit sizing and performance evaluation of a renewable energy based microgrid in Iran. , 2016, , .		1
29	Ultra-high-speed protection of transmission lines using traveling wave theory. Electric Power Systems Research, 2016, 132, 94-103.	3.6	34
30	Travelingâ€waveâ€based protection of parallel transmission lines using Teager energy operator and fuzzy systems. IET Generation, Transmission and Distribution, 2016, 10, 1067-1074.	2.5	36
31	An improved cuckoo search algorithm for power economic load dispatch. International Transactions on Electrical Energy Systems, 2015, 25, 958-975.	1.9	27
32	Power quality improvement in three-phase four-wire distribution systems by DSTATCOM and using adaptive hysteresis band current controller. , 2014, , .		3
33	Management and coordination charging of smart park and V2G strategy based on Monte Carlo algorithm. , 2014, , .		17
34	Optimal power flow under both normal and contingent operation conditions using the hybrid fuzzy particle swarm optimisation and Nelderâ€“Mead algorithm (HFPSOâ€“NM). Applied Soft Computing Journal, 2014, 14, 623-633.	7.2	38
35	Maximizing the DG output power using multilevel transformerless inverters with un-equal DC rail voltages. , 2014, , .		1
36	Voltage lookâ€up table method to control multilevel cascaded transformerless inverters with unequal DC rail voltages. IET Power Electronics, 2014, 7, 2300-2309.	2.1	10

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37	Multilevel cascaded transformerless inverter for connecting distributedâ€generation sources to network. IET Power Electronics, 2014, 7, 1691-1703.	2.1	12
38	Modeling and control of DSTATCOM using adaptive hysteresis band current controller in three-phase four-wire distribution systems. , 2014, , .		9
39	Analysis of the simultaneous coordinated design of STATCOM-based damping stabilizers and PSS in a multi-machine power system using the seeker optimization algorithm. International Journal of Electrical Power and Energy Systems, 2013, 53, 1003-1017.	5.5	35
40	Voltage dip mitigation in wind farms by UPQC based on Cuckoo Search Neuro Fuzzy Controller. , 2013, , .		6
41	Emission, reserve and economic load dispatch problem with non-smooth and non-convex cost functions using epsilon-multi-objective genetic algorithm variable. International Journal of Electrical Power and Energy Systems, 2013, 52, 55-67.	5.5	35
42	Tracking and finding the direction of switched capacitor banks in distribution system based on modal signal. , 2012, , .		0
43	Transmission Service Cost Calculation with Power Loss and Congestion Considerations. International Journal of Energy Optimization and Engineering, 2012, 1, 39-58.	0.6	3
44	A new selective harmonic elimination method for wind farm using permanent magnet Synchronous generator, under wind speed change. , 2011, , .		2
45	A D-Q synchronous frame controller for single-phase inverters. , 2011, , .		22
46	Active power filter simulation for nonlinear Load Harmonics Effects Reduction. , 2011, , .		2
47	OPTIMIZING TRANSMISSION SERVICE COST OF KHUZESTAN REGIONAL GRID BASED ON NSGA-II ALGORITHM. , 2011, , .		1
48	Voltage Stability Evaluation of The Khouzestan Power System in Iran Using CPF Method and Modal Analysis. , 2010, , .		7
49	A Method for Voltage Regulation in Distribution Network Equipped With OLTC Transformers and DG Units. , 2010, , .		10
50	Harmonic estimation in a power system using a novel hybrid Least Squares-Adaline algorithm. Electric Power Systems Research, 2009, 79, 107-116.	3.6	81
51	Design and construction of an optimum high power radial flux direct-drive PM generator for wind applications. , 2009, , .		2
52	Optimal Location of STATCOM and SVC Based on Contingency Voltage Stability by Using Continuation Power Flow: Case Studies of Khouzestan Power Networks in Iran. , 2009, , .		12
53	A new adaptive hybrid neural network and fuzzy logic based fault classification approach for transmission lines protection. , 2008, , .		5
54	Employing fuzzy logic in damping power system oscillations using SVC. , 2008, , .		9

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55	Harmonic Components Identification through the Adaline with Fuzzy Learning Parameter. , 2007, , .		2
56	Design and optimisation of electromagnetic flowmeter for conductive liquids and its calibration based on neural networks. IET Science, Measurement and Technology, 2006, 153, 139-146.	0.7	15
57	An Algorithm to Design Harmonic Filters Based on Power Factor Correction for HVDC Systems. , 2006, , .		7
58	Accurate fault locator for EHV transmission lines based on radial basis function neural networks. Electric Power Systems Research, 2004, 71, 195-202.	3.6	72
59	Artificial neural network based fault locator for EHV transmission system. , 0, , .		1
60	Artificial intelligent based fault location technique for EHV series-compensated lines. , 0, , .		9
61	Evaluation of Secondary Slot Effects on Performance of High-Speed Linear Induction Motors Using a Quasi Three-Dimensional Space Harmonic Method. , 0, , .		1
62	A Combined Method for Analysis of High Speed Linear Induction Machines. , 0, , .		0
63	A new adaptive coordination scheme of distance relays in DFIG â€•based wind farm collector lines and transmission line compensated by STATCOM. International Transactions on Electrical Energy Systems, 0, , e13205.	1.9	3