

# Mahmood Joorabian

## List of Publications by Year in descending order

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63  
papers

999  
citations

516710

16  
h-index

477307

29  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1024  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Multi-objective energy management of a micro-grid considering uncertainty in wind power forecasting. Energy, 2017, 139, 680-693.	8.8	85
3	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
4	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
5	Optimal power flow under both normal and contingent operation conditions using the hybrid fuzzy particle swarm optimisation and Nelder-Mead algorithm (HFPSO-NM). Applied Soft Computing Journal, 2014, 14, 623-633.	7.2	38
6	Traveling-wave 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
7	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
8	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
9	High dimensional very short-term solar power forecasting based on a data-driven heuristic method. Energy, 2021, 219, 119647.	8.8	35
10	Ultra-high-speed protection of transmission lines using traveling wave theory. Electric Power Systems Research, 2016, 132, 94-103.	3.6	34
11	Smart grid realization with introducing unified power quality conditioner integrated with DC microgrid. Electric Power Systems Research, 2017, 151, 68-85.	3.6	34
12	An efficient hour-ahead electrical load forecasting method based on innovative features. Energy, 2020, 201, 117511.	8.8	30
13	An improved cuckoo search algorithm for power economic load dispatch. International Transactions on Electrical Energy Systems, 2015, 25, 958-975.	1.9	27
14	A D-Q synchronous frame controller for single-phase inverters. , 2011, , .		22
15	Bi-level power management strategy in harmonic-polluted active distribution network including virtual power plants. IET Renewable Power Generation, 2021, 15, 462-476.	3.1	22
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Management and coordination charging of smart park and V2G strategy based on Monte Carlo algorithm. , 2014, , .		17
20	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
21	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
22	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
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	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
25	Optimal Location of STATCOM and SVC Based on Contingency Voltage Stability by Using Continuation Power Flow: Case Studies of Khuzestan Power Networks in Iran. , 2009, , .		12
26	Multilevel cascaded transformerless inverter for connecting distributedâ€generation sources to network. IET Power Electronics, 2014, 7, 1691-1703.	2.1	12
27	A Method for Voltage Regulation in Distribution Network Equipped With OLTC Transformers and DG Units. , 2010, , .		10
28	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
29	Artificial intelligent based fault location technique for EHV series-compensated lines. , 0, , .		9
30	Employing fuzzy logic in damping power system oscillations using SVC. , 2008, , .		9
31	Modeling and control of DSTATCOM using adaptive hysteresis band current controller in three-phase four-wire distribution systems. , 2014, , .		9
32	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
33	Distribution system reconfiguration in presence of Internet of Things. IET Generation, Transmission and Distribution, 2021, 15, 1290-1303.	2.5	8
34	An Algorithm to Design Harmonic Filters Based on Power Factor Correction for HVDC Systems. , 2006, , .		7
35	Voltage Stability Evaluation of The Khuzestan Power System in Iran Using CPF Method and Modal Analysis. , 2010, , .		7
36	Voltage dip mitigation in wind farms by UPQC based on Cuckoo Search Neuro Fuzzy Controller. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
37	A Novel Strategy for Sensorless Control Modification of a Six-phase Induction Generator in Faulted Mode. <i>Electric Power Components and Systems</i> , 2016, 44, 941-953.	1.8	6
38	Location of double-circuit grounded cross-country faults in GUPFC-compensated transmission lines based on current and voltage phasors analysis. <i>Electric Power Systems Research</i> , 2021, 195, 107124.	3.6	6
39	A new adaptive hybrid neural network and fuzzy logic based fault classification approach for transmission lines protection. , 2008, , .		5
40	Flexible-reliable operation of green microgrids including sources and energy storage-based active loads considering ANFIS-based data forecasting method. <i>Electric Power Systems Research</i> , 2022, 210, 108107.	3.6	5
41	Estimation of time to voltage collapse. , 2016, , .		4
42	Machine learning-based very short-term load forecasting in microgrid environment: evaluating the impact of high penetration of PV systems. <i>Electrical Engineering</i> , 2022, 104, 2667-2677.	2.0	4
43	Power quality improvement in three-phase four-wire distribution systems by DSTATCOM and using adaptive hysteresis band current controller. , 2014, , .		3
44	Robust control of a six-phase induction generator under open-phase fault conditions. , 2016, , .		3
45	Estimation of voltage instability inception time by employing kâ€ˆnearest neighbour learning algorithm. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 2907-2918.	2.5	3
46	Transmission Service Cost Calculation with Power Loss and Congestion Considerations. <i>International Journal of Energy Optimization and Engineering</i> , 2012, 1, 39-58.	0.6	3
47	A new adaptive coordination scheme of distance relays in DFIG â€ˆbased wind farm collector lines and transmission line compensated by STATCOM. <i>International Transactions on Electrical Energy Systems</i> , 0, , e13205.	1.9	3
48	Harmonic Components Identification through the Adaline with Fuzzy Learning Parameter. , 2007, , .		2
49	Design and construction of an optimum high power radial flux direct-drive PM generator for wind applications. , 2009, , .		2
50	A new selective harmonic elimination method for wind farm using permanent magnet Synchronous generator, under wind speed change. , 2011, , .		2
51	Active power filter simulation for nonlinear Load Harmonics Effects Reduction. , 2011, , .		2
52	Interâ€ˆcircuit fault location algorithm in generalized unified power flow controllerâ€ˆcompensated doubleâ€ˆcircuit transmission lines based on synchronous current and voltage phasors of line terminals. <i>IET Generation, Transmission and Distribution</i> , 2021, 15, 1841-1857.	2.5	2
53	An algorithm scheme for detecting single-circuit, inter-circuit, and grounded double-circuit cross-country faults in GUPFC-compensated double-circuit transmission lines. <i>Electrical Engineering</i> , 2022, 104, 2021-2044.	2.0	2
54	Artificial neural network based fault locator for EHV transmission system. , 0, , .		1

#	ARTICLE	IF	CITATIONS
55	Evaluation of Secondary Slot Effects on Performance of High-Speed Linear Induction Motors Using a Quasi Three-Dimensional Space Harmonic Method. , 0, , .		1
56	OPTIMIZING TRANSMISSION SERVICE COST OF KHUZESTAN REGIONAL GRID BASED ON NSGA-II ALGORITHM. , 2011, , .		1
57	Maximizing the DC output power using multilevel transformerless inverters with un-equal DC rail voltages. , 2014, , .		1
58	Unit sizing and performance evaluation of a renewable energy based microgrid in Iran. , 2016, , .		1
59	Providing a new method for protecting the loss of excitation of generator in the presence of phase-shifting transformer. International Transactions on Electrical Energy Systems, 2019, 29, e12023.	1.9	1
60	Agent-based situational awareness system for severity in closeness of voltage instability occurrence. IET Generation, Transmission and Distribution, 2020, 14, 5834-5843.	2.5	1
61	A Combined Method for Analysis of High Speed Linear Induction Machines. , 0, , .		0
62	Tracking and finding the direction of switched capacitor banks in distribution system based on modal signal. , 2012, , .		0
63	Adaptive boundary determination for network reduction in long-term voltage stability analyses. IET Generation, Transmission and Distribution, 2020, 14, 1251-1260.	2.5	0