

# Mohamad Esmail Hamedani Golshan

## List of Publications by Year in descending order

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53  
papers

1,882  
citations

304743

22  
h-index

254184

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g-index

53  
all docs

53  
docs citations

53  
times ranked

1909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordinated Participation of Electric Vehicles and Generating Units in Primary Frequency Control in the Presence of Renewables. IEEE Transactions on Transportation Electrification, 2023, 9, 130-141.	7.8	5
2	Secured Zone 3 Operation Against Fault Induced Delayed Voltage Recovery Event. IEEE Transactions on Power Delivery, 2022, 37, 507-516.	4.3	2
3	Non-cooperative Operation of Transmission and Distribution Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 153-162.	11.3	12
4	A PMU-Based Method for On-Line Thevenin Equivalent Estimation. IEEE Transactions on Power Systems, 2022, 37, 2796-2807.	6.5	5
5	A novel method for online voltage stability assessment based on PMU measurements and Thevenin equivalent. IET Generation, Transmission and Distribution, 2022, 16, 1780-1794.	2.5	8
6	A Comprehensive and Efficient Decentralized Framework for Coordinated Multiperiod Economic Dispatch of Transmission and Distribution Systems. IEEE Systems Journal, 2021, 15, 2583-2594.	4.6	25
7	Modified WLS three-phase state estimation formulation for fault analysis considering measurement and parameter errors. Electric Power Systems Research, 2021, 190, 106854.	3.6	4
8	Coordinated voltage control scheme for transmission system considering objectives and constraints of network and control devices. Electric Power Systems Research, 2021, 192, 106908.	3.6	5
9	Adaptive Switch Matrix for PV Module Connections to Avoid Permanent Cross-Tied Link in PV Array System Under Non-Uniform Irradiations. IEEE Access, 2021, 9, 45978-45992.	4.2	13
10	Real Time Demand Response Modeling for Residential Consumers in Smart Grid Considering Renewable Energy With Deep Learning Approach. IEEE Access, 2021, 9, 56551-56562.	4.2	17
11	Combined Firm and Renewable Distributed Generation and Reactive Power Planning. IEEE Access, 2021, 9, 133735-133745.	4.2	13
12	Frequency response models and control in smart power systems with high penetration of renewable energy sources. Computers and Electrical Engineering, 2021, 96, 107477.	4.8	5
13	Wide-area Transmission System Fault Analysis Based on Three-Phase State Estimation with Considering Measurement Errors. Power Systems, 2021, , 449-479.	0.5	0
14	Novel pilot protection scheme for line-commutated converter high voltage direct current transmission lines based on behaviour of characteristic harmonic impedances. IET Generation, Transmission and Distribution, 2021, 15, 264-278.	2.5	5
15	Analysis of Optimal Machine Learning Approach for Battery Life Estimation of Li-Ion Cell. IEEE Access, 2021, 9, 159616-159626.	4.2	17
16	Transmission line fault location based on three-phase state estimation framework considering measurement chain error model. Electric Power Systems Research, 2020, 178, 106048.	3.6	20
17	Deterministic Dynamic State Estimation-Based Optimal LFC for Interconnected Power Systems Using Unknown Input Observer. IEEE Transactions on Smart Grid, 2020, 11, 1582-1592.	9.0	92
18	An Overview of UFLS in Conventional, Modern, and Future Smart Power Systems: Challenges and Opportunities. Electric Power Systems Research, 2020, 179, 106054.	3.6	31

#	ARTICLE	IF	CITATIONS
19	A monitoring and modifying scheme for Zone 3 of critical distance relays in view of voltage stability. Electric Power Systems Research, 2020, 183, 106273.	3.6	3
20	Fast and systematic approach for adjusting ROCOF relay used in islanding detection of SDG. IET Generation, Transmission and Distribution, 2020, 14, 275-283.	2.5	6
21	A novel hybrid islanding detection method using dynamic characteristics of synchronous generator and signal processing technique. Electric Power Systems Research, 2019, 175, 105911.	3.6	63
22	A Novel Improved Hilbert-Huang Transform Technique for Implementation of Power System Local Oscillation Monitoring. , 2019, , .		3
23	A Decentralized Functional Observer Based Optimal LFC Considering Unknown Inputs, Uncertainties, and Cyber-Attacks. IEEE Transactions on Power Systems, 2019, 34, 4408-4417.	6.5	84
24	WAMS-Based Online Disturbance Estimation in Interconnected Power Systems Using Disturbance Observer. Applied Sciences (Switzerland), 2019, 9, 990.	2.5	37
25	Reducing the Effect of Participation of Loads in Primary Frequency Control on the Device Life-Time and Customer Convenience. , 2019, , .		1
26	Voltage Quality Improvement in Low Voltage Distribution Networks Using Reactive Power Capability of Single-Phase PV Inverters. IEEE Transactions on Smart Grid, 2019, 10, 5057-5065.	9.0	118
27	Frequency control using loads and generators capacity in power systems with a high penetration of renewables. Electric Power Systems Research, 2019, 166, 43-51.	3.6	34
28	A Consensus-Based Cooperative Control of PEV Battery and PV Active Power Curtailment for Voltage Regulation in Distribution Networks. IEEE Transactions on Smart Grid, 2019, 10, 670-680.	9.0	152
29	Index-based voltage dip consideration in optimal planning of SDGs by applying a modified Monte Carlo simulation method. International Transactions on Electrical Energy Systems, 2018, 28, e2478.	1.9	7
30	Monte Carlo based approach to consider the cost of voltage dip and long duration interruption in optimal planning of SDGs. IET Generation, Transmission and Distribution, 2018, 12, 1856-1865.	2.5	12
31	Low voltage ride through of a droop based three phase four wire grid connected microgrid. IET Generation, Transmission and Distribution, 2018, 12, 1906-1914.	2.5	60
32	Distributed Control of Battery Energy Storage Systems for Voltage Regulation in Distribution Networks With High PV Penetration. IEEE Transactions on Smart Grid, 2018, 9, 3582-3593.	9.0	263
33	Determining optimal virtual inertia and frequency control parameters to preserve the frequency stability in islanded microgrids with high penetration of renewables. Electric Power Systems Research, 2018, 154, 13-22.	3.6	130
34	Synchronous DG Planning to Help High Voltage Systems. IEEE Transactions on Power Systems, 2018, 33, 2440-2451.	6.5	4
35	Optimal Operation of Emerging Flexible Resources Considering Sub-Hourly Flexible Ramp Product. IEEE Transactions on Sustainable Energy, 2018, 9, 916-929.	8.8	65
36	Evaluating the Operational Flexibility of Generation Mixture With an Innovative Techno-Economic Measure. IEEE Transactions on Power Systems, 2018, 33, 2205-2218.	6.5	23

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37	Determining minimum number and optimal placement of PMUs for fault observability in one-terminal algorithms. IET Generation, Transmission and Distribution, 2018, 12, 5789-5797.	2.5	14
38	Wind Driven Optimization Algorithm Application to Load Frequency Control in Interconnected Power Systems Considering GRC and GDB Nonlinearities. Electric Power Components and Systems, 2018, 46, 1223-1238.	1.8	86
39	Synchronous DG Planning for Simultaneous Improvement of Technical, Overcurrent, and Timely Anti-Islanding Protection Indices of the Network to Preserve Protection Coordination. IEEE Transactions on Power Delivery, 2017, 32, 474-483.	4.3	26
40	Stochastic scenario-based generation scheduling in industrial microgrids. International Transactions on Electrical Energy Systems, 2017, 27, e2404.	1.9	17
41	Expected security constrained reactive power planning. IET Generation, Transmission and Distribution, 2016, 10, 2306-2315.	2.5	6
42	Transient Monitoring Function-Based Fault Detection for Inverter-Interfaced Microgrids. IEEE Transactions on Smart Grid, 2016, , 1-1.	9.0	57
43	A combined method to efficiently adjust frequency-based anti-islanding relays of synchronous distributed generation. International Transactions on Electrical Energy Systems, 2015, 25, 3042-3059.	1.9	14
44	Unit commitment in industrial microgrids with plug-in electric vehicles and photovoltaic generation. International Transactions on Electrical Energy Systems, 2015, 25, 1349-1365.	1.9	9
45	Profit-based unit commitment with security constraints and fair allocation of cost saving in industrial microgrids. IET Science, Measurement and Technology, 2013, 7, 315-325.	1.6	27
46	Coordination of Generation Scheduling with PEVs Charging in Industrial Microgrids. IEEE Transactions on Power Systems, 2013, 28, 3451-3461.	6.5	152
47	Availability, Reliability, and Component Importance Evaluation of Various Repairable Substation Automation Systems. IEEE Transactions on Power Delivery, 2012, 27, 1358-1367.	4.3	24
48	Transformer Differential Protection Using Geometrical Structure Analysis of Waveforms. Electric Power Components and Systems, 2011, 39, 204-224.	1.8	7
49	A frequency curves analysis-based method for transformers differential protection. European Transactions on Electrical Power, 2011, 21, 987-996.	1.0	2
50	Updating stochastic models of arc furnace reactive power by genetic algorithm. , 2010, , .		7
51	Compensating capacitor design for improving angle stability of DGs in a micro-grid using trajectory sensitivities approach. , 2010, , .		1
52	Optimal allocation of distributed generation and reactive sources considering tap positions of voltage regulators as control variables. European Transactions on Electrical Power, 2007, 17, 219-239.	1.0	56
53	Detecting secondary arc extinction time by analyzing low frequency components of faulted phase voltage or sound phase current waveforms. Electrical Engineering, 2006, 88, 141-148.	2.0	33