

# Ehsan Heydarian-Forushani

## List of Publications by Year in descending order

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43  
papers

1,545  
citations

471371

17  
h-index

526166

27  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1525  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Investigation on the Impacts of Low Probability and High Intensity Events on Wind Power Generator's Market Participation. IEEE Access, 2022, 10, 18093-18104.	2.6	3
2	Detection and Analysis of Partial Discharges in Oil-Immersed Power Transformers Using Low-Cost Acoustic Sensors. Applied Sciences (Switzerland), 2022, 12, 3010.	1.3	19
3	Power Quality Enhancement of the Distribution Network by Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller. IEEE Access, 2022, 10, 50578-50588.	2.6	4
4	Acoustic Based Localization of Partial Discharge Inside Oil-Filled Transformers. IEEE Access, 2022, 10, 55288-55297.	2.6	5
5	An Auction-Based Local Market Clearing for Energy Management in a Virtual Power Plant. IEEE Transactions on Industry Applications, 2022, 58, 5724-5733.	3.3	8
6	Optimal investment and operation of a microgrid to provide electricity and heat. IET Renewable Power Generation, 2021, 15, 2586-2595.	1.7	8
7	A Two-Layer Model for Optimal Charging Scheduling of Electric Vehicle Parking Lots in Distribution Network. , 2021, , .		0
8	A Centralized-Stochastic Solution for Smart Energy Management in a Virtual Power Plant. , 2021, , .		1
9	Investigation of the Impacts of Synchronous Generators' Forced Outage Rates on Reactive Power Market. , 2021, , .		0
10	Quantitative flexibility assessment of a comprehensive set of demand response programs. International Journal of Electrical Power and Energy Systems, 2020, 116, 105562.	3.3	19
11	A comprehensive linear model for demand response optimization problem. Energy, 2020, 209, 118474.	4.5	8
12	Combined Stockwell and Hilbert Transforms Based Technique for the Detection of Islanding Events in Hybrid Power System. , 2020, , .		4
13	An offline algorithm for fuse recloser coordination in distribution networks with photovoltaic resources. International Transactions on Electrical Energy Systems, 2020, 30, e12500.	1.2	7
14	Optimal Power and Heat Scheduling of Microgrids under Renewable Generation Uncertainties. , 2020, , .		3
15	Performance Evaluation of Second Order Generalized Integrator-Quadrature Algorithm for DSTATCOM in Non-ideal Grid. , 2020, , .		0
16	A comprehensive multi-objective design for optimal load restoration. , 2020, , .		0
17	Building Energy Management System: An Overview of Recent Literature Research. , 2019, , .		3
18	A bi-level multi agent based protection scheme for distribution networks with distributed generation. International Journal of Electrical Power and Energy Systems, 2019, 112, 209-220.	3.3	29

#	ARTICLE	IF	CITATIONS
19	Two-stage stochastic model for the price-based domestic energy management problem. International Journal of Electrical Power and Energy Systems, 2019, 112, 404-416.	3.3	41
20	Multi-Objective Model for Allocation of Gas Turbines with the Aim of Black-Start Capability Enhancement in Smart Grids. , 2019, , .		0
21	Stochastic optimal scheduling of distributed energy resources with renewables considering economic and environmental aspects. Renewable Energy, 2018, 116, 272-287.	4.3	198
22	Optimal Operation of Emerging Flexible Resources Considering Sub-Hourly Flexible Ramp Product. IEEE Transactions on Sustainable Energy, 2018, 9, 916-929.	5.9	65
23	Evaluating the Operational Flexibility of Generation Mixture With an Innovative Techno-Economic Measure. IEEE Transactions on Power Systems, 2018, 33, 2205-2218.	4.6	23
24	Challenges and Opportunities of Load Frequency Control in Conventional, Modern and Future Smart Power Systems: A Comprehensive Review. Energies, 2018, 11, 2497.	1.6	240
25	Decentralized Fractional Order Control Scheme for LFC of Deregulated Nonlinear Power Systems in Presence of EVs and RER. , 2018, , .		72
26	Evaluating the benefits of coordinated emerging flexible resources in electricity markets. Applied Energy, 2017, 199, 142-154.	5.1	40
27	Market transactions of PEV parking lots in the presence of wind generation. , 2017, , .		0
28	A bottom-up approach for demand response aggregatorsâ€™ participation in electricity markets. Electric Power Systems Research, 2017, 143, 121-129.	2.1	105
29	Regulatory support of wind power producers against strategic and collusive behavior of conventional thermal units. , 2016, , .		2
30	Simultaneous participation of Demand Response aggregators in ancillary services and Demand Response eXchange markets. , 2016, , .		14
31	Flexible interaction of plug-in electric vehicle parking lots for efficient wind integration. Applied Energy, 2016, 179, 338-349.	5.1	51
32	Optimal trading of plug-in electric vehicle aggregation agents in a market environment for sustainability. Applied Energy, 2016, 162, 601-612.	5.1	81
33	Optimal Behavior of Electric Vehicle Parking Lots as Demand Response Aggregation Agents. IEEE Transactions on Smart Grid, 2016, 7, 2654-2665.	6.2	195
34	Impacts of stochastic demand response resource scheduling on large scale wind power integration. , 2015, , .		1
35	Optimal coordination of Battery Energy Storages and Demand Response Programs with application to wind integration. , 2015, , .		6
36	Flexible security-constrained scheduling of wind power enabling time of use pricing scheme. Energy, 2015, 90, 1887-1900.	4.5	28

#	ARTICLE	IF	CITATIONS
37	Robust scheduling of variable wind generation by coordination of bulk energy storages and demand response. Energy Conversion and Management, 2015, 106, 941-950.	4.4	59
38	Strategic Offering for a Price-Maker Wind Power Producer in Oligopoly Markets Considering Demand Response Exchange. IEEE Transactions on Industrial Informatics, 2015, 11, 1542-1553.	7.2	53
39	Risk-Constrained Offering Strategy of Wind Power Producers Considering Intraday Demand Response Exchange. IEEE Transactions on Sustainable Energy, 2014, 5, 1036-1047.	5.9	91
40	A stochastic framework for the grid integration of wind power using flexible load approach. Energy Conversion and Management, 2014, 88, 985-998.	4.4	48
41	Optimal Participation of DR Aggregators in Day-Ahead Energy and Demand Response Exchange Markets. IFIP Advances in Information and Communication Technology, 2014, , 353-360.	0.5	1
42	Wind-thermal economic and environmental scheduling incorporating Demand Response. , 2013, , .		1
43	Forecasting the PEV owner reaction to the electricity price based on the customer acceptance index. , 2013, , .		7