

Ehsan Heydarian-Forushani

List of Publications by Year in descending order

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43
papers

1,545
citations

471371

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526166

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44
docs citations

44
times ranked

1525
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges and Opportunities of Load Frequency Control in Conventional, Modern and Future Smart Power Systems: A Comprehensive Review. <i>Energies</i> , 2018, 11, 2497.	1.6	240
2	Stochastic optimal scheduling of distributed energy resources with renewables considering economic and environmental aspects. <i>Renewable Energy</i> , 2018, 116, 272-287.	4.3	198
3	Optimal Behavior of Electric Vehicle Parking Lots as Demand Response Aggregation Agents. <i>IEEE Transactions on Smart Grid</i> , 2016, 7, 2654-2665.	6.2	195
4	A bottom-up approach for demand response aggregatorsâ€™ participation in electricity markets. <i>Electric Power Systems Research</i> , 2017, 143, 121-129.	2.1	105
5	Risk-Constrained Offering Strategy of Wind Power Producers Considering Intraday Demand Response Exchange. <i>IEEE Transactions on Sustainable Energy</i> , 2014, 5, 1036-1047.	5.9	91
6	Optimal trading of plug-in electric vehicle aggregation agents in a market environment for sustainability. <i>Applied Energy</i> , 2016, 162, 601-612.	5.1	81
7	Decentralized Fractional Order Control Scheme for LFC of Deregulated Nonlinear Power Systems in Presence of EVs and RER. , 2018, , .		72
8	Optimal Operation of Emerging Flexible Resources Considering Sub-Hourly Flexible Ramp Product. <i>IEEE Transactions on Sustainable Energy</i> , 2018, 9, 916-929.	5.9	65
9	Robust scheduling of variable wind generation by coordination of bulk energy storages and demand response. <i>Energy Conversion and Management</i> , 2015, 106, 941-950.	4.4	59
10	Strategic Offering for a Price-Maker Wind Power Producer in Oligopoly Markets Considering Demand Response Exchange. <i>IEEE Transactions on Industrial Informatics</i> , 2015, 11, 1542-1553.	7.2	53
11	Flexible interaction of plug-in electric vehicle parking lots for efficient wind integration. <i>Applied Energy</i> , 2016, 179, 338-349.	5.1	51
12	A stochastic framework for the grid integration of wind power using flexible load approach. <i>Energy Conversion and Management</i> , 2014, 88, 985-998.	4.4	48
13	Two-stage stochastic model for the price-based domestic energy management problem. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 112, 404-416.	3.3	41
14	Evaluating the benefits of coordinated emerging flexible resources in electricity markets. <i>Applied Energy</i> , 2017, 199, 142-154.	5.1	40
15	A bi-level multi agent based protection scheme for distribution networks with distributed generation. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 112, 209-220.	3.3	29
16	Flexible security-constrained scheduling of wind power enabling time of use pricing scheme. <i>Energy</i> , 2015, 90, 1887-1900.	4.5	28
17	Evaluating the Operational Flexibility of Generation Mixture With an Innovative Techno-Economic Measure. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 2205-2218.	4.6	23
18	Quantitative flexibility assessment of a comprehensive set of demand response programs. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 116, 105562.	3.3	19

#	ARTICLE	IF	CITATIONS
19	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
20	Simultaneous participation of Demand Response aggregators in ancillary services and Demand Response eXchange markets. , 2016, , .		14
21	A comprehensive linear model for demand response optimization problem. Energy, 2020, 209, 118474.	4.5	8
22	Optimal investment and operation of a microgrid to provide electricity and heat. IET Renewable Power Generation, 2021, 15, 2586-2595.	1.7	8
23	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
24	Forecasting the PEV owner reaction to the electricity price based on the customer acceptance index. , 2013, , .		7
25	An off-line algorithm for fuseâ€recloser coordination in distribution networks with photovoltaic resources. International Transactions on Electrical Energy Systems, 2020, 30, e12500.	1.2	7
26	Optimal coordination of Battery Energy Storages and Demand Response Programs with application to wind integration. , 2015, , .		6
27	Acoustic Based Localization of Partial Discharge Inside Oil-Filled Transformers. IEEE Access, 2022, 10, 55288-55297.	2.6	5
28	Combined Stockwell and Hilbert Transforms Based Technique for the Detection of Islanding Events in Hybrid Power System. , 2020, , .		4
29	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
30	Building Energy Management System: An Overview of Recent Literature Research. , 2019, , .		3
31	Optimal Power and Heat Scheduling of Microgrids under Renewable Generation Uncertainties. , 2020, , .		3
32	An Investigation on the Impacts of Low Probability and High Intensity Events on Wind Power Generatorâ€™s Market Participation. IEEE Access, 2022, 10, 18093-18104.	2.6	3
33	Regulatory support of wind power producers against strategic and collusive behavior of conventional thermal units. , 2016, , .		2
34	Wind-thermal economic and environmental scheduling incorporating Demand Response. , 2013, , .		1
35	Impacts of stochastic demand response resource scheduling on large scale wind power integration. , 2015, , .		1
36	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

#	ARTICLE	IF	CITATIONS
37	A Centralized-Stochastic Solution for Smart Energy Management in a Virtual Power Plant. , 2021, , .		1
38	Market transactions of PEV parking lots in the presence of wind generation. , 2017, , .		0
39	Multi-Objective Model for Allocation of Gas Turbines with the Aim of Black-Start Capability Enhancement in Smart Grids. , 2019, , .		0
40	A Two-Layer Model for Optimal Charging Scheduling of Electric Vehicle Parking Lots in Distribution Network. , 2021, , .		0
41	Investigation of the Impacts of Synchronous Generatorsâ€™ Forced Outage Rates on Reactive Power Market. , 2021, , .		0
42	Performance Evaluation of Second Order Generalized Integrator-Quadrature Algorithm for DSTATCOM in Non-ideal Grid. , 2020, , .		0
43	A comprehensive multi-objective design for optimal load restoration. , 2020, , .		0