

Mahdi Pourakbari Kasmaei

List of Publications by Year in descending order

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1,554
citations

257450
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all docs

73
docs citations

73
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	A Prediction Model For Lightning-Induced Overvoltages Over Lossy Ground Using Gaussian Process Regression. IEEE Transactions on Power Delivery, 2022, 37, 2757-2765.	4.3	6
2	A medium-term hybrid IGDT-Robust optimization model for optimal self scheduling of multi-carrier energy systems. Energy, 2022, 238, 121661.	8.8	26
3	An Approach to Divide Wind Power Capacity Between Day-Ahead Energy and Intraday Reserve Power Markets. IEEE Systems Journal, 2022, 16, 1123-1134.	4.6	4
4	Optimal Bilevel Operation-Planning Framework of Distributed Generation Hosting Capacity Considering Rival DISCO and EV Aggregator. IEEE Systems Journal, 2022, 16, 5023-5034.	4.6	11
5	A max–min robust optimization model for multi-carrier energy systems integrated with power to gas storage system. Journal of Energy Storage, 2022, 48, 103933.	8.1	26
6	Convex Formulation for Optimal Active and Reactive Power Dispatch. IEEE Latin America Transactions, 2022, 20, 787-798.	1.6	4
7	A taxonomy of machine learning applications for virtual power plants and home/building energy management systems. Automation in Construction, 2022, 136, 104174.	9.8	31
8	The role of EV based peer-to-peer transactive energy hubs in distribution network optimization. Applied Energy, 2022, 319, 119267.	10.1	9
9	Strategic Biddings of a Consumer demand in both DA and Balancing Markets in Response to Renewable Energy Integration. Electric Power Systems Research, 2022, 210, 108132.	3.6	4
10	Bidding a Battery on Electricity Markets and Minimizing Battery Aging Costs: A Reinforcement Learning Approach. Energies, 2022, 15, 4960.	3.1	2
11	Bonus-Based Demand Response Using Stackelberg Game Approach for Residential End-Users Equipped With HVAC System. IEEE Transactions on Sustainable Energy, 2021, 12, 234-249.	8.8	33
12	A risk-based optimal self-scheduling of smart energy hub in the day-ahead and regulation markets. Journal of Cleaner Production, 2021, 279, 123631.	9.3	50
13	A novel hybrid self-adaptive heuristic algorithm to handle single- and multi-objective optimal power flow problems. International Journal of Electrical Power and Energy Systems, 2021, 125, 106492.	5.5	86
14	Load Factor Assessment of the Electric Grid by the Optimal Scheduling of Electrical Equipment- A MIQCP Model. IEEE Open Access Journal of Power and Energy, 2021, 8, 433-447.	3.4	3
15	Optimizing Power and Heat Sector Coupling for the Implementation of Carbon-Free Communities. Energies, 2021, 14, 1911.	3.1	8
16	Comparison of Economical and Technical Photovoltaic Hosting Capacity Limits in Distribution Networks. Energies, 2021, 14, 2405.	3.1	13
17	Intelligent Energy Management in a Prosumer Community Considering the Load Factor Enhancement. Energies, 2021, 14, 3624.	3.1	11
18	State-of-the-Art of Optimal Active and Reactive Power Flow: A Comprehensive Review from Various Standpoints. Processes, 2021, 9, 1319.	2.8	33

#	ARTICLE	IF	CITATIONS
19	Analysis of the Precision of a Second-Order Conic Model to Solve the Optimal Power Dispatch Problem in Electric Power Systems. Journal of Control, Automation and Electrical Systems, 2021, 32, 1356-1364.	2.0	2
20	A hybrid decentralized stochastic-robust model for optimal coordination of electric vehicle aggregator and energy hub entities. Applied Energy, 2021, 304, 117708.	10.1	37
21	Multi-Alternative Operation-Planning Problem of Wind Farms Participating in Gas and Electricity Markets. IEEE Access, 2021, 9, 166825-166837.	4.2	3
22	Risk Analysis of Wind Farm Paired with Assets in Electricity and Gas Markets. , 2021, , .		2
23	Transmission expansion planning integrated with wind farms: A review, comparative study, and a novel profound search approach. International Journal of Electrical Power and Energy Systems, 2020, 115, 105460.	5.5	58
24	Carbon Footprint Management: A Pathway Toward Smart Emission Abatement. IEEE Transactions on Industrial Informatics, 2020, 16, 935-948.	11.3	39
25	Trilateral Planning Model for Integrated Community Energy Systems and PV-Based Prosumersâ€”A Bilevel Stochastic Programming Approach. IEEE Transactions on Power Systems, 2020, 35, 346-361.	6.5	55
26	Enhancing the Protective Performance of Surge Arresters against Indirect Lightning Strikes via an Inductor-Based Filter. Energies, 2020, 13, 4754.	3.1	3
27	Evaluation of Filtered Spark Gap on the Lightning Protection of Distribution Transformers: Experimental and Simulation Study. Energies, 2020, 13, 3799.	3.1	6
28	Optimized Protection of Pole-Mounted Distribution Transformers against Direct Lightning Strikes. Energies, 2020, 13, 4372.	3.1	3
29	Minimizing Wind Power Curtailment and Carbon Emissions by Power to Heat Sector Couplingâ€”A Stackelberg Game Approach. IEEE Access, 2020, 8, 211892-211911.	4.2	15
30	Optimal Adjustment of Double Exponential Model Parameters to Reproduce the Laboratory Volt-Time Curve of Lightning Impulse. , 2020, , .		0
31	A Mixed Integer Conic Model for Distribution Expansion Planning: Matheuristic Approach. IEEE Transactions on Smart Grid, 2020, 11, 3932-3943.	9.0	26
32	An economic-environmental asset planning in electric distribution networks considering carbon emission trading and demand response. Electric Power Systems Research, 2020, 181, 106202.	3.6	38
33	A Game Theory Approach for Maximum Utilization of Wind Power by DR in Residential Consumers. , 2020, , .		0
34	Increasing Distributed Generation Hosting Capacity in Distribution Networks: A CO ₂ Emission Analysis. , 2020, , .		2
35	Efficient Automation of an HEV Heterogeneous Fleet Using a Two-Stage Methodology. IEEE Transactions on Vehicular Technology, 2019, 68, 9494-9506.	6.3	14
36	Optimal power flow problem considering multiple-fuel options and disjoint operating zones: A solver-friendly MINLP model. International Journal of Electrical Power and Energy Systems, 2019, 113, 45-55.	5.5	38

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37	A Demand-Side Management-Based Model for G&T&P Problem Considering FSC Allocation. IEEE Systems Journal, 2019, 13, 3242-3253.	4.6	11
38	Uncertainty-Based Models for Optimal Management of Energy Hubs Considering Demand Response. Energies, 2019, 12, 1413.	3.1	35
39	An efficient particle swarm optimization algorithm to solve optimal power flow problem integrated with FACTS devices. Applied Soft Computing Journal, 2019, 80, 243-262.	7.2	128
40	Environmentally constrained reliability-based generation maintenance scheduling considering demand-side management. IET Generation, Transmission and Distribution, 2019, 13, 1153-1163.	2.5	21
41	Optimal location-allocation of storage devices and renewable-based DG in distribution systems. Electric Power Systems Research, 2019, 172, 11-21.	3.6	96
42	Optimal Selection of Navigation Modes of HEVs Considering CO ₂ Emissions Reduction. IEEE Transactions on Vehicular Technology, 2019, 68, 2196-2206.	6.3	14
43	A novel energy scheduling framework for reliable and economic operation of islanded and grid-connected microgrids. Electric Power Systems Research, 2019, 171, 85-96.	3.6	48
44	Robust Short-Term Electrical Distribution Network Planning Considering Simultaneous Allocation of Renewable Energy Sources and Energy Storage Systems. , 2019, , 145-175.		1
45	Voltage-dependent load model-based short-term distribution network planning considering carbon tax surplus. IET Generation, Transmission and Distribution, 2019, 13, 3760-3770.	2.5	15
46	An Incentive Based Demand Response by HVAC Systems in Residential Houses. , 2019, , .		9
47	A stochastic mixed-integer convex programming model for long-term distribution system expansion planning considering greenhouse gas emission mitigation. International Journal of Electrical Power and Energy Systems, 2019, 108, 86-95.	5.5	64
48	Adaptive Robust Short-Term Planning of Electrical Distribution Systems Considering Siting and Sizing of Renewable Energy Based DG Units. IEEE Transactions on Sustainable Energy, 2019, 10, 158-169.	8.8	60
49	A stochastic mixed-integer conic programming model for distribution system expansion planning considering wind generation. Energy Systems, 2018, 9, 551-571.	3.0	22
50	Optimal Delivery Scheduling and Charging of EVs in the Navigation of a City Map. IEEE Transactions on Smart Grid, 2018, 9, 4815-4827.	9.0	47
51	Optimal siting and sizing of renewable energy sources, storage devices, and reactive support devices to obtain a sustainable electrical distribution systems. Energy Systems, 2018, 9, 529-550.	3.0	45
52	Logically constrained optimal power flow: Solver-based mixed-integer nonlinear programming model. International Journal of Electrical Power and Energy Systems, 2018, 97, 240-249.	5.5	35
53	Evaluation of the Performance of HEV Technologies using a MILP Model to Minimize Pollutants Emissions. , 2018, , .		1
54	Matching of Local Load with On-Site PV Production in a Grid-Connected Residential Building. Energies, 2018, 11, 2409.	3.1	19

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55	A demand power factor-based approach for finding the maximum loading point. Electric Power Systems Research, 2017, 151, 283-295.	3.6	5
56	Dynamic Market-Based Generation-Transmission Expansion Planning Considering Fixed Series Compensation Allocation. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2017, 41, 305-317.	2.3	9
57	A Branch and Bound algorithm to solve nonconvex MINLP problems via novel division strategy: An electric power system case study. , 2017, , .		0
58	Environmentally committed short-term planning of electrical distribution systems considering renewable based DG siting and sizing. , 2017, , .		8
59	Carbon footprint allocation among consumers and transmission losses. , 2017, , .		2
60	An unambiguous distance-based MIQP model to solve economic dispatch problems with disjoint operating zones. , 2016, , .		0
61	An Unambiguous Distance-Based MIQP Model to Solve Economic Dispatch Problems with Disjoint Operating Zones. IEEE Transactions on Power Systems, 2016, 31, 825-826.	6.5	18
62	Multi-area environmentally constrained active-reactive optimal power flow: a short-term tie line planning study. IET Generation, Transmission and Distribution, 2016, 10, 299-309.	2.5	19
63	An unequivocal normalization-based paradigm to solve dynamic economic and emission active-reactive OPF (optimal power flow). Energy, 2014, 73, 554-566.	8.8	20
64	A modified Branch and Bound algorithm to solve the transmission expansion planning problem. , 2013, , .		5
65	Congestion effects on regional & system emission and consumers allocated cost. , 2013, , .		0
66	A novel straightforward compromising method for dynamic economic and emission dispatch considering valve-point effect. , 2013, , .		2
67	Transmission expansion planning via a constructive heuristic algorithm in restructured electricity industry. , 2013, , .		8
68	An effortless hybrid method to solve economic load dispatch problem in power systems. Energy Conversion and Management, 2011, 52, 2854-2860.	9.2	35
69	An unproblematic method to solve economic and emission dispatch. , 2011, , .		6
70	An implementation of harmony search algorithm to unit commitment problem. Electrical Engineering, 2010, 92, 215-225.	2.0	40
71	A novel method to attain a compromised low emission and cost for generation scheduling. , 2010, , .		0
72	A NEW HYBRID HEURISTIC TECHNIQUE FOR UNIT COMMITMENT CONSIDERING SPINNING RESERVE PROBABILITY. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
73	A Novel Unit Commitment Technique Considering Prohibited Operating Zones. Journal of Applied Sciences, 2009, 9, 2962-2968.	0.3	5