

Thamer Alquthami

List of Publications by Year in descending order

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papers

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26
all docs

26
docs citations

26
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Fault Diagnosing Methods in Power Transmission Systems. Applied Sciences (Switzerland), 2020, 10, 1312.	1.3	58
2	Optimal sizing of smart hybrid renewable energy system using different optimization algorithms. Energy Reports, 2022, 8, 4935-4956.	2.5	54
3	An Optimal Scheduling and Distributed Pricing Mechanism for Multi-Region Electric Vehicle Charging in Smart Grid. IEEE Access, 2020, 8, 40298-40312.	2.6	44
4	Optimal Coordination of Standard and Non-Standard Direction Overcurrent Relays Using an Improved Moth-Flame Optimization. IEEE Access, 2020, 8, 87378-87392.	2.6	37
5	Dynamic Pricing Mechanism With the Integration of Renewable Energy Source in Smart Grid. IEEE Access, 2020, 8, 16876-16892.	2.6	34
6	Short-term optimal scheduling of hydro-thermal power plants using artificial bee colony algorithm. Energy Reports, 2020, 6, 984-992.	2.5	29
7	Smart House Management and Control Without Customer Inconvenience. IEEE Transactions on Smart Grid, 2018, 9, 2553-2562.	6.2	27
8	A Performance Comparison of Machine Learning Algorithms for Load Forecasting in Smart Grid. IEEE Access, 2022, 10, 48419-48433.	2.6	27
9	Three-Dimensional UAV Routing With Deconfliction. IEEE Access, 2018, 6, 21536-21551.	2.6	23
10	Soiling of Photovoltaic Modules: Comparing between Two Distinct Locations within the Framework of Developing the Photovoltaic Soiling Index (PVS _I). Sustainability, 2019, 11, 4697.	1.6	22
11	Fuzzy-Based Approach Using IoT Devices for Smart Home to Assist Blind People for Navigation. Sensors, 2020, 20, 3674.	2.1	21
12	Novel hybrid improved bat algorithm and fuzzy system based MPPT for photovoltaic under variable atmospheric conditions. Sustainable Energy Technologies and Assessments, 2022, 52, 102156.	1.7	19
13	Optimal Design of Automatic Generation Control Based on Simulated Annealing in Interconnected Two-Area Power System Using Hybrid PID-Fuzzy Control. Energies, 2022, 15, 1540.	1.6	18
14	Multi-Objective Optimal Power Flow With Integration of Renewable Energy Sources Using Fuzzy Membership Function. IEEE Access, 2020, 8, 143185-143200.	2.6	17
15	Investigating the Impact of Electric Vehicles Demand on the Distribution Network. Energies, 2022, 15, 1180.	1.6	15
16	A Novel Load Scheduling Mechanism Using Artificial Neural Network Based Customer Profiles in Smart Grid. Energies, 2020, 13, 1062.	1.6	14
17	A Residential Load Scheduling with the Integration of On-Site PV and Energy Storage Systems in Micro-Grid. Sustainability, 2020, 12, 184.	1.6	14
18	Mitigation of voltage rise due to high solar PV penetration in Saudi distribution network. Electrical Engineering, 2020, 102, 881-890.	1.2	14

#	ARTICLE	IF	CITATIONS
19	Day ahead load forecasting for IESCO using Artificial Neural Network and Bagged Regression Tree. , 2018, , .		12
20	(DA-DOPF): A Day-Ahead Dynamic Optimal Power Flow With Renewable Energy Integration in Smart Grids. Frontiers in Energy Research, 2021, 9, .	1.2	7
21	A Three-Stage Algorithm Based on a Semi-Implicit Approach for Solving the Power-Flow in Realistic Large-Scale ill-Conditioned Systems. IEEE Access, 2020, 8, 35299-35307.	2.6	6
22	An Incentive Based Dynamic Pricing in Smart Grid: A Customerâ€™s Perspective. Sustainability, 2021, 13, 6066.	1.6	6
23	Analytics framework for optimal smart meters data processing. Electrical Engineering, 2020, 102, 1241-1251.	1.2	5
24	RES Based Islanded DC Microgrid with Enhanced Electrical Network Islanding Detection. Energies, 2021, 14, 8432.	1.6	4
25	Importance of Smart Meters Data Processing â€™ Case of Saudi Arabia. , 2019, , .		1
26	A Joint Optimization Model for Energy and Reserve Capacity Scheduling With the Integration of Variable Energy Resources. IEEE Access, 2021, 9, 75252-75264.	2.6	0