

# Thamer Alquthami

## List of Publications by Year in descending order

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26  
papers

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citations

623188

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h-index

676716

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g-index

26  
all docs

26  
docs citations

26  
times ranked

498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the Impact of Electric Vehicles Demand on the Distribution Network. <i>Energies</i> , 2022, 15, 1180.	1.6	15
2	Optimal Design of Automatic Generation Control Based on Simulated Annealing in Interconnected Two-Area Power System Using Hybrid PID-Fuzzy Control. <i>Energies</i> , 2022, 15, 1540.	1.6	18
3	Novel hybrid improved bat algorithm and fuzzy system based MPPT for photovoltaic under variable atmospheric conditions. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102156.	1.7	19
4	Optimal sizing of smart hybrid renewable energy system using different optimization algorithms. <i>Energy Reports</i> , 2022, 8, 4935-4956.	2.5	54
5	A Performance Comparison of Machine Learning Algorithms for Load Forecasting in Smart Grid. <i>IEEE Access</i> , 2022, 10, 48419-48433.	2.6	27
6	A Joint Optimization Model for Energy and Reserve Capacity Scheduling With the Integration of Variable Energy Resources. <i>IEEE Access</i> , 2021, 9, 75252-75264.	2.6	0
7	An Incentive Based Dynamic Pricing in Smart Grid: A Customer's Perspective. <i>Sustainability</i> , 2021, 13, 6066.	1.6	6
8	(DA-DOPF): A Day-Ahead Dynamic Optimal Power Flow With Renewable Energy Integration in Smart Grids. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	7
9	RES Based Islanded DC Microgrid with Enhanced Electrical Network Islanding Detection. <i>Energies</i> , 2021, 14, 8432.	1.6	4
10	Fuzzy-Based Approach Using IoT Devices for Smart Home to Assist Blind People for Navigation. <i>Sensors</i> , 2020, 20, 3674.	2.1	21
11	Multi-Objective Optimal Power Flow With Integration of Renewable Energy Sources Using Fuzzy Membership Function. <i>IEEE Access</i> , 2020, 8, 143185-143200.	2.6	17
12	Optimal Coordination of Standard and Non-Standard Direction Overcurrent Relays Using an Improved Moth-Flame Optimization. <i>IEEE Access</i> , 2020, 8, 87378-87392.	2.6	37
13	A Novel Load Scheduling Mechanism Using Artificial Neural Network Based Customer Profiles in Smart Grid. <i>Energies</i> , 2020, 13, 1062.	1.6	14
14	An Optimal Scheduling and Distributed Pricing Mechanism for Multi-Region Electric Vehicle Charging in Smart Grid. <i>IEEE Access</i> , 2020, 8, 40298-40312.	2.6	44
15	A Three-Stage Algorithm Based on a Semi-Implicit Approach for Solving the Power-Flow in Realistic Large-Scale ill-Conditioned Systems. <i>IEEE Access</i> , 2020, 8, 35299-35307.	2.6	6
16	Analytics framework for optimal smart meters data processing. <i>Electrical Engineering</i> , 2020, 102, 1241-1251.	1.2	5
17	Dynamic Pricing Mechanism With the Integration of Renewable Energy Source in Smart Grid. <i>IEEE Access</i> , 2020, 8, 16876-16892.	2.6	34
18	A Residential Load Scheduling with the Integration of On-Site PV and Energy Storage Systems in Micro-Grid. <i>Sustainability</i> , 2020, 12, 184.	1.6	14

#	ARTICLE	IF	CITATIONS
19	Mitigation of voltage rise due to high solar PV penetration in Saudi distribution network. Electrical Engineering, 2020, 102, 881-890.	1.2	14
20	Short-term optimal scheduling of hydro-thermal power plants using artificial bee colony algorithm. Energy Reports, 2020, 6, 984-992.	2.5	29
21	A Review of Fault Diagnosing Methods in Power Transmission Systems. Applied Sciences (Switzerland), 2020, 10, 1312.	1.3	58
22	Soiling of Photovoltaic Modules: Comparing between Two Distinct Locations within the Framework of Developing the Photovoltaic Soiling Index (PVSII). Sustainability, 2019, 11, 4697.	1.6	22
23	Importance of Smart Meters Data Processing “ Case of Saudi Arabia. , 2019, , .		1
24	Smart House Management and Control Without Customer Inconvenience. IEEE Transactions on Smart Grid, 2018, 9, 2553-2562.	6.2	27
25	Three-Dimensional UAV Routing With Deconfliction. IEEE Access, 2018, 6, 21536-21551.	2.6	23
26	Day ahead load forecasting for IESCO using Artificial Neural Network and Bagged Regression Tree. , 2018, , .		12