

Ameena Al-Sumaiti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9602148/publications.pdf>

Version: 2024-02-01

71
papers

1,457
citations

331670

21
h-index

361022

35
g-index

72
all docs

72
docs citations

72
times ranked

1390
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional Control of Wind-Turbine Based Nano-Grid Connected to Distorted Utility-Grid. IEEE Transactions on Power Systems, 2022, 37, 576-589.	6.5	4
2	Day-ahead offering strategy in the market for concentrating solar power considering thermoelectric decoupling by a compressed air energy storage. Applied Energy, 2022, 305, 117804.	10.1	43
3	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.	4.2	3
4	Optimized Design of Rotor Barriers in PM-Assisted Synchronous Reluctance Machines With Taguchi Method. IEEE Access, 2022, 10, 38165-38173.	4.2	6
5	Cloud Energy Storage Based Embedded Battery Technology Architecture for Residential Users Cost Minimization. IEEE Access, 2022, 10, 43685-43702.	4.2	15
6	Process Optimization of Biodiesel Production Using the Laplacian Harris Hawk Optimization (LHHO) Algorithm. Modelling and Simulation in Engineering, 2022, 2022, 1-13.	0.7	2
7	Artificial intelligence for water-energy nexus demand forecasting: a review. International Journal of Low-Carbon Technologies, 2022, 17, 730-744.	2.6	2
8	Advanced Type-1c FLL for Enhancing Converters Synchronization During Frequency Drift. IEEE Transactions on Power Delivery, 2021, 36, 1063-1078.	4.3	14
9	A Novel Hybrid Optimization Algorithm for Maximum Power Point Tracking of Partially Shaded Photovoltaic Systems. Green Energy and Technology, 2021, , 201-230.	0.6	3
10	Enhanced Performance of Charging Stations via Converter Control Under Unbalanced and Harmonic Distorted Grids. IEEE Transactions on Power Delivery, 2021, 36, 3964-3976.	4.3	15
11	A Secured Social-Economic Framework Based on PEM-Blockchain for Optimal Scheduling of Reconfigurable Interconnected Microgrids. IEEE Access, 2021, 9, 40797-40810.	4.2	30
12	Optimal investment and operation of a microgrid to provide electricity and heat. IET Renewable Power Generation, 2021, 15, 2586-2595.	3.1	8
13	Uncertainty Cost Functions in Climate-Dependent Controllable Loads in Commercial Environments. Energies, 2021, 14, 2885.	3.1	1
14	A Bayesian Approach to the Reliability Analysis of Renewables-Dominated Islanded DC Microgrids. IEEE Transactions on Power Systems, 2021, 36, 4296-4309.	6.5	12
15	Effective Model Predictive Voltage Control for a Sensorless Doubly Fed Induction Generator. Canadian Journal of Electrical and Computer Engineering, 2021, 44, 50-64.	2.0	13
16	A profit-based self-scheduling framework for generation company energy and ancillary service participation in multi-constrained environment with renewable energy penetration. Energy and Environment, 2020, 31, 549-569.	4.6	8
17	A MDP-Based Vulnerability Analysis of Power Networks Considering Network Topology and Transmission Capacity. IEEE Access, 2020, 8, 2032-2041.	4.2	11
18	Optimal power tracking of PMSG based wind energy conversion systems by constrained direct control with fast convergence rates. International Journal of Electrical Power and Energy Systems, 2020, 118, 105807.	5.5	16

#	ARTICLE	IF	CITATIONS
19	Electricity-water usage for sustainable development: An analysis of United Arab Emirates farms. Energy Policy, 2020, 147, 111823.	8.8	5
20	Comprehensive Validation of Transient Stability Calculations in Electric Power Systems and Hardware-Software Tool for Its Implementation. IEEE Access, 2020, 8, 136071-136091.	4.2	13
21	Research, Development and Application of Hybrid Model of Back-to-Back HVDC Link. IEEE Access, 2020, 8, 174860-174870.	4.2	0
22	Towards Energy Management Negotiation Between Distributed AC/DC Networks. IEEE Access, 2020, 8, 215438-215456.	4.2	28
23	Experimental Validation of Low Voltage Ride Through for Laboratory Scale Renewable Energy Conversion Systems Applications. , 2020, , .		0
24	Combined Stockwell and Hilbert Transforms Based Technique for the Detection of Islanding Events in Hybrid Power System. , 2020, , .		4
25	Coalition Formation of Microgrids with Distributed Energy Resources and Energy Storage in Energy Market. Journal of Modern Power Systems and Clean Energy, 2020, 8, 906-918.	5.4	25
26	Data Collection Surveys on the Cornerstones of the Water-Energy Nexus: A Systematic Overview. IEEE Access, 2020, 8, 93011-93027.	4.2	12
27	Low-Capacity Exploitation of Distribution Networks and Its Effect on the Planning of Distribution Networks. Energies, 2020, 13, 1920.	3.1	4
28	Aggregated Demand Response Scheduling in Competitive Market Considering Load behavior through Fuzzy Intelligence. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	10
29	Assessment of Model Predictive Voltage Control for Autonomous Four-Leg Inverter. IEEE Access, 2020, 8, 101163-101180.	4.2	11
30	A Distortion-Based Potential Game for Secondary Voltage Control in Micro-Grids. IEEE Access, 2020, 8, 110611-110622.	4.2	6
31	A National Strategy Proposal for Improved Cooking Stove Adoption in Honduras: Energy Consumption and Cost-Benefit Analysis. Energies, 2020, 13, 921.	3.1	11
32	Further Optimized Scheduling of Micro Grids via Dispatching Virtual Electricity Storage Offered by Deferrable Power-Driven Demands. IEEE Transactions on Power Systems, 2020, 35, 3494-3505.	6.5	32
33	Tree Growth Based Optimization Algorithm for Parameter Extraction of Different Models of Photovoltaic Cells and Modules. IEEE Access, 2020, 8, 119668-119687.	4.2	56
34	Economic Assessment of Distributed Generation Technologies: A Feasibility Study and Comparison with the Literature. Energies, 2020, 13, 2764.	3.1	22
35	Load Curtailment Optimization Using the PSO Algorithm for Enhancing the Reliability of Distribution Networks. Energies, 2020, 13, 3236.	3.1	16
36	Impact of Energy Storage Useful Life on Intelligent Microgrid Scheduling. Energies, 2020, 13, 957.	3.1	12

#	ARTICLE	IF	CITATIONS
37	Optimal Performance of Dynamic Particle Swarm Optimization Based Maximum Power Trackers for Stand-Alone PV System Under Partial Shading Conditions. IEEE Access, 2020, 8, 20770-20785.	4.2	96
38	Optimal Design of an Islanded Microgrid With Load Shifting Mechanism Between Electrical and Thermal Energy Storage Systems. IEEE Transactions on Power Systems, 2020, 35, 2642-2657.	6.5	53
39	A Novel Sensorless Control for Multiphase Induction Motor Drives Based on Singularly Perturbed Sliding Mode Observer-Experimental Validation. Applied Sciences (Switzerland), 2020, 10, 2776.	2.5	9
40	Estimation of an Optimal PV Panel Cleaning Strategy Based on Both Annual Radiation Profile and Module Degradation. IEEE Access, 2020, 8, 63832-63839.	4.2	29
41	Performance Evaluation of Second Order Generalized Integrator-Quadrature Algorithm for DSTATCOM in Non-ideal Grid. , 2020, , .		0
42	A comprehensive multi-objective design for optimal load restoration. , 2020, , .		0
43	Cascading Failure Analysis Based Early Design for a Complex Engineering System. , 2019, , .		1
44	Impact of Load Profile on Dynamic Interactions Between Energy Markets: A Case Study of Power Exchange and Demand Response Exchange. IEEE Transactions on Industrial Informatics, 2019, 15, 5855-5866.	11.3	15
45	Dynamic behavior of multi-carrier energy market in view of investment incentives. Electrical Engineering, 2019, 101, 1033-1051.	2.0	9
46	An Intelligent Secured Framework for Cyberattack Detection in Electric Vehicles™ CAN Bus Using Machine Learning. IEEE Access, 2019, 7, 127580-127592.	4.2	95
47	The Impact of Demand Response Programs on Reducing the Emissions and Cost of A Neighborhood Home Microgrid. Applied Sciences (Switzerland), 2019, 9, 2097.	2.5	8
48	Building Energy Management System: An Overview of Recent Literature Research. , 2019, , .		3
49	A Guided Procedure for Governance Institutions to Regulate Funding Requirements of Solar PV Projects. IEEE Access, 2019, 7, 54203-54217.	4.2	22
50	A Reliability-Oriented Fuzzy Stochastic Framework in Automated Distribution Grids to Allocate \$mu\$ -PMUs. IEEE Access, 2019, 7, 33393-33404.	4.2	28
51	Dynamic Carbon-Constrained EPEC Model for Strategic Generation Investment Incentives with the Aim of Reducing CO2 Emissions. Energies, 2019, 12, 4813.	3.1	10
52	A Framework for Determining a Prediction-Of-Use Tariff Aimed at Coordinating Aggregators of Plug-In Electric Vehicles. Energies, 2019, 12, 4487.	3.1	7
53	Mathematical Models for Optimization of Grid-Integrated Energy Storage Systems: A Review. , 2019, , .		10
54	Stochastic PV model for power system planning applications. IET Renewable Power Generation, 2019, 13, 3168-3179.	3.1	34

#	ARTICLE	IF	CITATIONS
55	An Improved Binary Grey Wolf Optimizer (IBGWO) for Unit Commitment Problem in Thermal Generation. , 2019, , .		2
56	Cost-Effective Predictive Flux Control for a Sensorless Doubly Fed Induction Generator. IEEE Access, 2019, 7, 172606-172627.	4.2	14
57	Enabling electricity access: revisiting load models for ACâ€‘grid operation â€‘Part I. IET Generation, Transmission and Distribution, 2019, 13, 2563-2571.	2.5	22
58	Enabling electricity access: a comprehensive energy efficient approach mitigating climate/weather variability â€‘ Part II. IET Generation, Transmission and Distribution, 2019, 13, 2572-2583.	2.5	18
59	Micro Waterâ€‘Energy Nexus: Optimal Demand-Side Management and Quasi-Convex Hull Relaxation. IEEE Transactions on Control of Network Systems, 2019, 6, 1313-1322.	3.7	64
60	A Predictive KH-Based Model to Enhance the Performance of Industrial Electric Arc Furnaces. IEEE Transactions on Industrial Electronics, 2019, 66, 7976-7985.	7.9	8
61	A Control Strategy for Voltage Unbalance Mitigation in an Islanded Microgrid Considering Demand Side Management Capability. IEEE Transactions on Smart Grid, 2019, 10, 2558-2568.	9.0	65
62	Modeling and Co-Optimization of a Micro Water-Energy Nexus for Smart Communities. , 2018, , .		24
63	Short Term Electricity Procurement of Large Consumers Considering Tidal Power and Electricity Price Uncertainties. , 2018, , .		2
64	Smart Energy Optimization Using Heuristic Algorithm in Smart Grid with Integration of Solar Energy Sources. Energies, 2018, 11, 3494.	3.1	49
65	A Centralized Smart Decision-Making Hierarchical Interactive Architecture for Multiple Home Microgrids in Retail Electricity Market. Energies, 2018, 11, 3144.	3.1	34
66	Heuristic search algorithms for optimal locations and sizing of distributed generators in the grid: A brief recent review. , 2018, , .		20
67	Conservation Voltage Reduction for Autonomous Microgrids Based on Vâ€‘I Droop Characteristics. IEEE Transactions on Sustainable Energy, 2017, 8, 1076-1085.	8.8	46
68	Enabling electricity access in developing countries: A probabilistic weather driven house based approach. Applied Energy, 2017, 191, 531-548.	10.1	22
69	Smart Home Activities: A Literature Review. Electric Power Components and Systems, 2014, 42, 294-305.	1.8	137
70	Residential Load Management Under Stochastic Weather Condition in Developing Countries. Electric Power Components and Systems, 2014, 42, 1452-1473.	1.8	16
71	The role of regulation in the economic evaluation of renewable energy investments in developing countries. , 2013, , .		10