Engr Zahid Ullah

List of Publications by Year
in descending order

		687363	794594
64 papers	862 citations	13 h-index	19 g-index
64 all docs	64 docs citations	64 times ranked	872 citing authors

#	Article	IF	Citations
1	Automatic Generation Control in Modern Power Systems with Wind Power and Electric Vehicles. Energies, 2022, 15, 1771.	3.1	14
2	Sensor Fault-Tolerant Control of Microgrid Using Robust Sliding-Mode Observer. Sensors, 2022, 22, 2524.	3.8	3
3	Detection and Prevention of False Data Injection Attacks in the Measurement Infrastructure of Smart Grids. Sustainability, 2022, 14, 6407.	3.2	7
4	Electric vehicles and key adaptation challenges and prospects in Pakistan: A comprehensive review. Journal of Cleaner Production, 2021, 278, 123375.	9.3	41
5	Bi-Directional Mutual Energy Trade between Smart Grid and Energy Districts Using Renewable Energy Credits. Sensors, 2021, 21, 3088.	3.8	7
6	Automatic Generation Control Strategies in Conventional and Modern Power Systems: A Comprehensive Overview. Energies, 2021, 14, 2376.	3.1	46
7	Multi-aging Effects on Vegetable Based Oils for Transformer Insulation in HV Systems. Journal of Electrical Engineering and Technology, 2021, 16, 2709.	2.0	1
8	Assessment of the Performance and Shortcomings of Common Electric Vehicle Battery Technologies. , 2021, , .		4
9	Automatic Generation Control of Multi-Source Interconnected Power System Using FOI-TD Controller. Energies, 2021, 14, 5867.	3.1	33
10	Optimized Economic Load Dispatch with Multiple Fuels and Valve-Point Effects Using Hybrid Geneticâ€"Artificial Fish Swarm Algorithm. Sustainability, 2021, 13, 10609.	3.2	5
11	Statistical Energy Information and Analysis of Pakistan Economic Corridor Based on Strengths, Availabilities, and Future Roadmap. IEEE Access, 2020, 8, 169701-169739.	4.2	10
12	Machine Learning Based Energy Management Model for Smart Grid and Renewable Energy Districts. IEEE Access, 2020, 8, 185059-185078.	4.2	41
13	Load Forecasting Schemes and Demand Response Programs within Smart Grid. , 2020, , .		1
14	Demand-side Management of Residential Service Area Under Price-based Demand Response Program in Smart Grid. , 2020, , .		4
15	Renewable Energy Resources Penetration within Smart Grid: An Overview. , 2020, , .		6
16	Energy Demand Control Under Dynamic Price-based Demand Response Program in Smart Grid. , 2020, , .		7
17	Modified switch type fault current limiter for lowâ€voltage rideâ€through enhancement and reactive power support of DFIGâ€WT under grid faults. IET Renewable Power Generation, 2020, 14, 1481-1490.	3.1	15
18	Load Frequency Control for EVs based Smart Grid System using PID and MPC. , 2020, , .		9

#	Article	IF	Citations
19	Electric Vehicles Interactions for Efficient Energy Performance within Smart Grid. , 2020, , .		0
20	Mutual Interactive Effects of Environment and Consumer Biological Dynamics on Energy Consumption. , 2020, , .		0
21	Super twisting sliding mode control for inner current suppression of Modular Multilevel Converter. , 2020, , .		1
22	Smart grid and energy district mutual interactions with demand response programs. IET Energy Systems Integration, 2020, 2, 1-8.	1.8	27
23	Major Prospects of Wind Energy in Pakistan. , 2020, , .		4
24	Energy Efficiency: Digital Signal Processing Interactions Within Smart Grid. , 2019, , .		3
25	Dielectric and Thermal Performance Up-Gradation of Transformer Oil Using Valuable Nano-Particles. IEEE Access, 2019, 7, 153509-153518.	4.2	20
26	Design of a Self-Sustained Farming System (SFS) for Pakistan. , 2019, , .		1
27	A Bidirectional Interactive Electric Vehicles Operation Modes: Vehicle-to-Grid (V2G) and Grid-to-Vehicle (G2V) Variations Within Smart Grid. , 2019, , .		38
28	Sliding Mode-Based Model Predictive Torque Control of Induction Machine. , 2019, , .		13
29	Adaptive Fuzzy Logic Controller for Indirect Field Oriented Controlled Induction Motor. , 2019, , .		1
30	Design of Adaptive Sliding Mode Controller for Single-Phase Grid-Tied PV System. , 2019, , .		0
31	Design and Investigation of FRT Schemes for Three-Phase Grid-Tied PV System. , 2019, , .		1
32	Smart Grid (SG) and Data Center (DC) Integration: A New Conceptual Framework. , 2019, , .		0
33	An Information-Based Waste Management Approach for Pakistan. , 2019, , .		3
34	Smart Grid Block-Chain (BC) Conceptual Framework: Bi-Directional Models for Renewable Energy District and Utility. , 2019, , .		5
35	Energy Management Models: A Game-Theoretic Optimization Techniques for Energy Management in Smart Grid. , 2019, , .		2
36	Linear and Nonlinear Control Schemes for Smart Grid. , 2019, , .		3

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37	Cloud Computing (CC) Centers-A Fast Processing Engine in Smart Grid. , 2019, , .		3
38	Stochastic Wind Energy Management Model within smart grid framework: A joint Bi-directional Service Level Agreement (SLA) between smart grid and Wind Energy District Prosumers. Renewable Energy, 2019, 134, 1017-1033.	8.9	28
39	Performance evaluation of power transformer under different diagnostic techniques. , 2018, , .		1
40	A survey on electric vehicle transportation within smart grid system. Renewable and Sustainable Energy Reviews, 2018, 81, 1329-1349.	16.4	212
41	A survey on consumers empowerment, communication technologies, and renewable generation penetration within Smart Grid. Renewable and Sustainable Energy Reviews, 2018, 81, 1453-1475.	16.4	127
42	Failure Influence Index for Power Transmission Systems. , 2018, , .		0
43	Enhancing the active and reactive Power quality of Doubly Fed Induction Generator using Adaptive PI Controller. , 2018, , .		0
44	Need for Mutual Services Interaction Between Smart Grid and Cloud Data Centers. , 2018, , .		1
45	Effect of Arm Inductor on Harmonic Reduction in Modular Multilevel Converter. , 2018, , .		5
46	Insulation Characteristic of CCl_2F_2 with mixtures of CO_2/N as a Possible Alternative to SF_6 substitute Gas for High Voltage Equipmentâ€™s. , 2018, , .		0
47	Energy Scenario and Potential of Hydroelectric Power in Pakistan. , 2018, , .		1
48	Fault Tolerance of Data Center under Multi-Correlated Failures. , 2018, , .		0
49	A Novel Design of FRT Strategy and Proportional Resonant Controller for Three Phase Grid connected PV System. , 2018, , .		0
50	A Comparative study of Linear and Nonlinear Control Schemes for AC Induction Machines. , 2018, , .		2
51	Levenberg-Marquardt SMC control of grid-tied Doubly Fed Induction Generator (DFIG) using FRT schemes under symmetrical fault. , 2018, , .		11
52	Design of high frequency (MHz) planar pot-core transformer. , 2018, , .		1
53	Dielectric properties of tetrafluoroethane (R134) gas and its mixtures with N 2 and air as a sustainable alternative to SF 6 in high voltage applications. Electric Power Systems Research, 2018, 163, 532-537.	3.6	21
54	Genetic algorithmâ€based nonâ€linear autoâ€regressive with exogenous inputs neural network shortâ€term and mediumâ€term uncertainty modelling and prediction for electrical load and wind speed. Journal of Engineering, 2018, 2018, 721-729.	1.1	36

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55	Fault-ride-through schemes of grid-interfaced DFIG: A comparative study under symmetrical grid faults. , 2017, , .		3
56	Assessment of hybrid off-grid wind photovoltaic system: A case study of university campus. , 2017, , .		9
57	Decentralized MPC based frequency control for smart grid. , 2017, , .		10
58	Differential geometric control of grid interfaced permanent magnet synchronous generator (PMSG) under symmetrical grid faults. , 2017, , .		2
59	Statistical analysis of environment and climate drifts on energy profile of smart grid consumers. , 2017, , .		1
60	Robust neural network scheme for generator side converter of doubly fed induction generator. , 2017, , .		7
61	Control and identification of dynamic plants using adaptive neuro-fuzzy type-2 strategy. , 2017, , .		3
62	Energy Management Model for Energy District Prosumers and Utility: A Case Study of Texas State. , 2017, , .		1
63	Distributed hybrid control strategy for multiple wind farms under symmetrical and asymmetrical faults. , 2017, , .		1
64	Comparative study of control methods for steam condenser. , 2017, , .		0