Engr Zahid Ullah

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	A survey on electric vehicle transportation within smart grid system. Renewable and Sustainable Energy Reviews, 2018, 81, 1329-1349.	16.4	212
2	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
3	Automatic Generation Control Strategies in Conventional and Modern Power Systems: A Comprehensive Overview. Energies, 2021, 14, 2376.	3.1	46
4	Machine Learning Based Energy Management Model for Smart Grid and Renewable Energy Districts. IEEE Access, 2020, 8, 185059-185078.	4.2	41
5	Electric vehicles and key adaptation challenges and prospects in Pakistan: A comprehensive review. Journal of Cleaner Production, 2021, 278, 123375.	9.3	41
6	A Bidirectional Interactive Electric Vehicles Operation Modes: Vehicle-to-Grid (V2G) and Grid-to-Vehicle (G2V) Variations Within Smart Grid. , 2019, , .		38
7	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
8	Automatic Generation Control of Multi-Source Interconnected Power System Using FOI-TD Controller. Energies, 2021, 14, 5867.	3.1	33
9	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
10	Smart grid and energy district mutual interactions with demand response programs. IET Energy Systems Integration, 2020, 2, 1-8.	1.8	27
11	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
12	Dielectric and Thermal Performance Up-Gradation of Transformer Oil Using Valuable Nano-Particles. IEEE Access, 2019, 7, 153509-153518.	4.2	20
13	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
14	Automatic Generation Control in Modern Power Systems with Wind Power and Electric Vehicles. Energies, 2022, 15, 1771.	3.1	14
15	Sliding Mode-Based Model Predictive Torque Control of Induction Machine. , 2019, , .		13
16	Levenberg-Marquardt SMC control of grid-tied Doubly Fed Induction Generator (DFIG) using FRT schemes under symmetrical fault. , 2018, , .		11
17	Decentralized MPC based frequency control for smart grid. , 2017, , .		10
18	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

#	Article	IF	Citations
19	Assessment of hybrid off-grid wind photovoltaic system: A case study of university campus. , 2017, , .		9
20	Load Frequency Control for EVs based Smart Grid System using PID and MPC. , 2020, , .		9
21	Robust neural network scheme for generator side converter of doubly fed induction generator. , 2017, , .		7
22	Energy Demand Control Under Dynamic Price-based Demand Response Program in Smart Grid. , 2020, , .		7
23	Bi-Directional Mutual Energy Trade between Smart Grid and Energy Districts Using Renewable Energy Credits. Sensors, 2021, 21, 3088.	3.8	7
24	Detection and Prevention of False Data Injection Attacks in the Measurement Infrastructure of Smart Grids. Sustainability, 2022, 14, 6407.	3.2	7
25	Renewable Energy Resources Penetration within Smart Grid: An Overview. , 2020, , .		6
26	Effect of Arm Inductor on Harmonic Reduction in Modular Multilevel Converter. , 2018, , .		5
27	Smart Grid Block-Chain (BC) Conceptual Framework: Bi-Directional Models for Renewable Energy District and Utility. , 2019, , .		5
28	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
29	Demand-side Management of Residential Service Area Under Price-based Demand Response Program in Smart Grid. , 2020, , .		4
30	Major Prospects of Wind Energy in Pakistan. , 2020, , .		4
31	Assessment of the Performance and Shortcomings of Common Electric Vehicle Battery Technologies. , 2021, , .		4
32	Fault-ride-through schemes of grid-interfaced DFIG: A comparative study under symmetrical grid faults. , 2017, , .		3
33	Control and identification of dynamic plants using adaptive neuro-fuzzy type-2 strategy. , 2017, , .		3
34	Energy Efficiency: Digital Signal Processing Interactions Within Smart Grid. , 2019, , .		3
35	An Information-Based Waste Management Approach for Pakistan. , 2019, , .		3
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	Sensor Fault-Tolerant Control of Microgrid Using Robust Sliding-Mode Observer. Sensors, 2022, 22, 2524.	3.8	3
39	Differential geometric control of grid interfaced permanent magnet synchronous generator (PMSG) under symmetrical grid faults. , 2017, , .		2
40	A Comparative study of Linear and Nonlinear Control Schemes for AC Induction Machines. , 2018, , .		2
41	Energy Management Models: A Game-Theoretic Optimization Techniques for Energy Management in Smart Grid. , 2019, , .		2
42	Statistical analysis of environment and climate drifts on energy profile of smart grid consumers. , 2017, , .		1
43	Energy Management Model for Energy District Prosumers and Utility: A Case Study of Texas State. , 2017, , .		1
44	Distributed hybrid control strategy for multiple wind farms under symmetrical and asymmetrical faults. , 2017, , .		1
45	Performance evaluation of power transformer under different diagnostic techniques. , 2018, , .		1
46	Need for Mutual Services Interaction Between Smart Grid and Cloud Data Centers. , 2018, , .		1
47	Energy Scenario and Potential of Hydroelectric Power in Pakistan. , 2018, , .		1
48	Design of high frequency (MHz) planar pot-core transformer. , 2018, , .		1
49	Design of a Self-Sustained Farming System (SFS) for Pakistan. , 2019, , .		1
50	Adaptive Fuzzy Logic Controller for Indirect Field Oriented Controlled Induction Motor. , 2019, , .		1
51	Design and Investigation of FRT Schemes for Three-Phase Grid-Tied PV System. , 2019, , .		1
52	Load Forecasting Schemes and Demand Response Programs within Smart Grid. , 2020, , .		1
53	Super twisting sliding mode control for inner current suppression of Modular Multilevel Converter. , 2020, , .		1
54	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

#	Article	IF	Citations
55	Comparative study of control methods for steam condenser. , 2017, , .		0
56	Failure Influence Index for Power Transmission Systems. , 2018, , .		0
57	Enhancing the active and reactive Power quality of Doubly Fed Induction Generator using Adaptive PI Controller. , 2018, , .		0
58	Insulation Characteristic of CCl₂F₂ with mixtures of CO₂/N as a Possible Alternative to SF₆ substitute Gas for High Voltage Equipmentâ€™s. , 2018, , .		0
59	Fault Tolerance of Data Center under Multi-Correlated Failures. , 2018, , .		0
60	A Novel Design of FRT Strategy and Proportional Resonant Controller for Three Phase Grid connected PV System. , 2018, , .		0
61	Design of Adaptive Sliding Mode Controller for Single-Phase Grid-Tied PV System. , 2019, , .		0
62	Smart Grid (SG) and Data Center (DC) Integration: A New Conceptual Framework. , 2019, , .		0
63	Electric Vehicles Interactions for Efficient Energy Performance within Smart Grid. , 2020, , .		0
64	Mutual Interactive Effects of Environment and Consumer Biological Dynamics on Energy Consumption. , 2020, , .		0