Tanveer Ahmad

List of Publications by Year
in descending order

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41 papers	2,948 citations	230014 27 h-index	340414 39 g-index
41 all docs	41 docs citations	41 times ranked	2260 citing authors

#	Article	IF	Citations
1	The Electromagnetic Losses Analysis of Inverter-Fed Induction Motor Accounting for Interbar Current and Rotor Slip Frequency. IEEE Transactions on Transportation Electrification, 2022, 8, 1155-1167.	5.3	4
2	A data-driven deep sequence-to-sequence long-short memory method along with a gated recurrent neural network for wind power forecasting. Energy, 2022, 239, 122109.	4.5	58
3	Key technologies for smart energy systems: Recent developments, challenges, and research opportunities in the context of carbon neutrality. Journal of Cleaner Production, 2022, 331, 129809.	4.6	52
4	Energetics Systems and artificial intelligence: Applications of industry 4.0. Energy Reports, 2022, 8, 334-361.	2.5	81
5	Data engineering for digital twining and optimization of naturally ventilated solar faÃ§ade with phase changing material under global projection scenarios. Renewable Energy, 2022, 187, 1184-1203.	4.3	26
6	Design parametric analysis of low-energy residential buildings on the way to a defined cost-optimal capacity point. AEJ - Alexandria Engineering Journal, 2022, 61, 8297-8297.	3.4	0
7	A comprehensive overview of modeling approaches and optimal control strategies for cyber-physical resilience in power systems. Renewable Energy, 2022, 189, 1383-1406.	4.3	27
8	Data-driven probabilistic machine learning in sustainable smart energy/smart energy systems: Key developments, challenges, and future research opportunities in the context of smart grid paradigm. Renewable and Sustainable Energy Reviews, 2022, 160, 112128.	8.2	123
9	Artificial intelligence in sustainable energy industry: Status Quo, challenges and opportunities. Journal of Cleaner Production, 2021, 289, 125834.	4.6	288
10	Using the internet of things in smart energy systems and networks. Sustainable Cities and Society, 2021, 68, 102783.	5.1	88
11	Demand Response for Industrial Micro-Grid Considering Photovoltaic Power Uncertainty and Battery Operational Cost. IEEE Transactions on Smart Grid, 2021, 12, 3043-3055.	6.2	63
12	Methodological framework for short-and medium-term energy, solar and wind power forecasting with stochastic-based machine learning approach to monetary and energy policy applications. Energy, 2021, 231, 120911.	4.5	45
13	Renewable energy integration/techno-economic feasibility analysis, cost/benefit impact on islanded and grid-connected operations: A case study. Renewable Energy, 2021, 180, 83-108.	4.3	18
14	Forecasting high penetration of solar and wind power in the smart grid environment using robust ensemble learning approach for large-dimensional data. Sustainable Cities and Society, 2021, 75, 103269.	5.1	18
15	A review on machine learning forecasting growth trends and their real-time applications in different energy systems. Sustainable Cities and Society, 2020, 54, 102010.	5.1	94
16	Novel deep supervised ML models with feature selection approach for large-scale utilities and buildings short and medium-term load requirement forecasts. Energy, 2020, 209, 118477.	4.5	25
17	A critical review of comparative global historical energy consumption and future demand: The story told so far. Energy Reports, 2020, 6, 1973-1991.	2.5	441
18	Efficient Energy Planning With Decomposition-Based Evolutionary Neural Networks. IEEE Access, 2020, 8, 134880-134897.	2.6	10

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19	Experimental study on the final jump phase in long air gap discharges. Journal of Electrostatics, 2020, 106, 103473.	1.0	7
20	Electrification design for modern housing scheme projects. Electricity Journal, 2020, 33, 106767.	1.3	1
21	Smart energy forecasting strategy with four machine learning models for climate-sensitive and non-climate sensitive conditions. Energy, 2020, 198, 117283.	4.5	27
22	A review on renewable energy and electricity requirement forecasting models for smart grid and buildings. Sustainable Cities and Society, 2020, 55, 102052.	5.1	246
23	Novel Deep Regression and Stump Tree-Based Ensemble Models for Real-Time Load Demand Planning and Management. IEEE Access, 2020, 8, 48030-48048.	2.6	12
24	A novel energy demand prediction strategy for residential buildings based on ensemble learning. Energy Procedia, 2019, 158, 3411-3416.	1.8	36
25	Short-Term Energy Prediction for District-Level Load Management Using Machine Learning Based Approaches. Energy Procedia, 2019, 158, 3331-3338.	1.8	14
26	An expert rule-based fault diagnosis strategy for variable refrigerant flow air conditioning systems. Applied Thermal Engineering, 2019, 149, 1223-1235.	3.0	55
27	Modal decomposition based ensemble learning for ground source heat pump systems load forecasting. Energy and Buildings, 2019, 194, 62-74.	3.1	36
28	Deep learning for multi-scale smart energy forecasting. Energy, 2019, 175, 98-112.	4.5	54
29	Effective bulk energy consumption control and management for power utilities using artificial intelligence techniques under conventional and renewable energy resources. International Journal of Electrical Power and Energy Systems, 2019, 109, 242-258.	3.3	41
30	An Experimental Study on the Positive Streamer Leader Propagation under Switching Impulse Voltages in a 10m Rod-Plane Air Gap. , 2019, , .		0
31	Nonlinear autoregressive and random forest approaches to forecasting electricity load for utility energy management systems. Sustainable Cities and Society, 2019, 45, 460-473.	5.1	102
32	Deployment of data-mining short and medium-term horizon cooling load forecasting models for building energy optimization and management. International Journal of Refrigeration, 2019, 98, 399-409.	1.8	32
33	Short and medium-term forecasting of cooling and heating load demand in building environment with data-mining based approaches. Energy and Buildings, 2018, 166, 460-476.	3.1	96
34	Water source heat pump energy demand prognosticate using disparate data-mining based approaches. Energy, 2018, 152, 788-803.	4.5	21
35	A comprehensive overview on the data driven and large scale based approaches for forecasting of building energy demand: A review. Energy and Buildings, 2018, 165, 301-320.	3.1	212
36	Utility companies strategy for short-term energy demand forecasting using machine learning based models. Sustainable Cities and Society, 2018, 39, 401-417.	5.1	58

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37	Review of various modeling techniques for the detection of electricity theft in smart grid environment. Renewable and Sustainable Energy Reviews, 2018, 82, 2916-2933.	8.2	83
38	Deep learning-based fault diagnosis of variable refrigerant flow air-conditioning system for building energy saving. Applied Energy, 2018, 225, 732-745.	5.1	127
39	Potential of three variant machine-learning models for forecasting district level medium-term and long-term energy demand in smart grid environment. Energy, 2018, 160, 1008-1020.	4.5	67
40	Supervised based machine learning models for short, medium and long-term energy prediction in distinct building environment. Energy, 2018, 158, 17-32.	4.5	92
41	Non-technical loss analysis and prevention using smart meters. Renewable and Sustainable Energy Reviews, 2017, 72, 573-589.	8.2	68