

Furkan Ahmad

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,456
citations

567281

15
h-index

752698

20
g-index

32
all docs

32
docs citations

32
times ranked

1064
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Review of Wireless Charging Technologies for Electric Vehicles. IEEE Transactions on Transportation Electrification, 2018, 4, 38-63.	7.8	580
2	System Design and Realization of a Solar-Powered Electric Vehicle Charging Station. IEEE Systems Journal, 2020, 14, 2748-2758.	4.6	117
3	Battery swapping station for electric vehicles: opportunities and challenges. IET Smart Grid, 2020, 3, 280-286.	2.2	114
4	Fast EV charging station integration with grid ensuring optimal and quality power exchange. Engineering Science and Technology, an International Journal, 2019, 22, 143-152.	3.2	101
5	A Review of the Electric Vehicle Charging Techniques, Standards, Progression and Evolution of EV Technologies in Germany. Smart Science, 2018, 6, 36-53.	3.2	91
6	An enhanced approach to optimally place the solar powered electric vehicle charging station in distribution network. Journal of Energy Storage, 2021, 42, 103090.	8.1	61
7	A Cost-Efficient Energy Management System for Battery Swapping Station. IEEE Systems Journal, 2019, 13, 4355-4364.	4.6	56
8	Low cost residential microgrid system based home to grid (H2G) back up power management. Sustainable Cities and Society, 2018, 36, 204-214.	10.4	40
9	Feasibility study, design and implementation of smart polygeneration microgrid at AMU. Sustainable Cities and Society, 2017, 35, 309-322.	10.4	38
10	IoT Enabled Monitoring of an Optimized Electric Vehicle's Battery System. Mobile Networks and Applications, 2018, 23, 994-1005.	3.3	30
11	A Comprehensive Review of Fast Charging Infrastructure for Electric Vehicles. Smart Science, 0, , 1-15.	3.2	28
12	Optimal Sizing and Analysis of Solar PV, Wind, and Energy Storage Hybrid System for Campus Microgrid. Smart Science, 2018, 6, 150-157.	3.2	25
13	Assessment of power exchange based electricity market in India. Energy Strategy Reviews, 2019, 23, 163-177.	7.3	21
14	Magnetic Analysis of Copper Coil Power Pad with Ferrite Core for Wireless Charging Application. Transactions on Electrical and Electronic Materials, 2019, 20, 165-173.	1.9	21
15	Congestion management in Indian Power Transmission System. International Journal of Engineering and Technology, 2017, 9, 26-31.	0.1	19
16	Design and techno-economic analysis of plug-in electric vehicle-integrated solar PV charging system for India. IET Smart Grid, 2019, 2, 224-232.	2.2	18
17	A Comprehensive Review on Level 2 Charging System for Electric Vehicles. Smart Science, 0, , 1-23.	3.2	15
18	Reliable Residential Backup Power Control System Through Home to Plug-In Electric Vehicle (H2V). Technology and Economics of Smart Grids and Sustainable Energy, 2018, 3, 1.	2.6	13

#	ARTICLE	IF	CITATIONS
19	Optimal placement of electric, hybrid and plug-in hybrid electric vehicles (xEVs) in Indian power market. , 2017, , .		10
20	Fuzzy Control Assisted Vehicle-to-Home (V2H) Energy Management System. Smart Science, 2018, 6, 173-187.	3.2	9
21	A state of the Art review on Wireless Power Transfer a step towards sustainable mobility. , 2017, , .		8
22	A <scp>stateâ€ofâ€theâ€art</scp> review on the impact of fast <scp>EV</scp> charging on the utility sector. Energy Storage, 2022, 4, e300.	4.3	8
23	Towards minimizing delay and energy consumption in vehicular fog computing (VFC). Journal of Intelligent and Fuzzy Systems, 2020, 38, 6549-6560.	1.4	7
24	Reliable and Economy Modes of Operation for Electric Vehicle-to-Home (V2H) System. , 2018, , .		6
25	Adaptive Neuro-Fuzzy Inference System (ANFIS) for Optimization of Solar Based Electric Vehicle-to-Home (V2H) Fuzzy Inference System (FIS) Controller. , 2019, , .		6
26	A comprehensive review of standards and best practices for utility grid integration with electric vehicle charging stations. Wiley Interdisciplinary Reviews: Energy and Environment, 2022, 11, e424.	4.1	6
27	Recent Development in Level 2 Charging System for xEV: A Review. , 2018, , .		5
28	Automation of the grid: Indian initiatives. , 2017, , .		1
29	A Review on Sustainable xEV charging System in Sun Rich Nations. , 2018, , .		1
30	Feasibility Analysis of Open Vehicle Grid Integration Platform (OVGIP) for Indian Scenario. , 2022, , .		1
31	Battery Swapping Station. Advances in Mechatronics and Mechanical Engineering, 2022, , 195-207.	1.0	0
32	Feasibility Analysis of Human to Nanogrid (H2N) Model for Backup Power System. , 2020, , .		0