

# 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 state-of-the-art review on the impact of fast EV charging on the utility sector. Energy Storage, 2022, 4, e300.	4.3	8
2	Battery Swapping Station. Advances in Mechatronics and Mechanical Engineering, 2022, , 195-207.	1.0	0
3	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
4	Feasibility Analysis of Open Vehicle Grid Integration Platform (OVGIP) for Indian Scenario. , 2022, , .		1
5	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
6	System Design and Realization of a Solar-Powered Electric Vehicle Charging Station. IEEE Systems Journal, 2020, 14, 2748-2758.	4.6	117
7	Battery swapping station for electric vehicles: opportunities and challenges. IET Smart Grid, 2020, 3, 280-286.	2.2	114
8	Towards minimizing delay and energy consumption in vehicular fog computing (VFC). Journal of Intelligent and Fuzzy Systems, 2020, 38, 6549-6560.	1.4	7
9	Feasibility Analysis of Human to Nanogrid (H2N) Model for Backup Power System. , 2020, , .		0
10	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
11	Adaptive Neuro-Fuzzy Inference System (ANFIS) for Optimization of Solar Based Electric Vehicle-to-Home (V2H) Fuzzy Inference System (FIS) Controller. , 2019, , .		6
12	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
13	Assessment of power exchange based electricity market in India. Energy Strategy Reviews, 2019, 23, 163-177.	7.3	21
14	A Cost-Efficient Energy Management System for Battery Swapping Station. IEEE Systems Journal, 2019, 13, 4355-4364.	4.6	56
15	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
16	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
17	Fuzzy Control Assisted Vehicle-to-Home (V2H) Energy Management System. Smart Science, 2018, 6, 173-187.	3.2	9
18	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

#	ARTICLE	IF	CITATIONS
19	IoT Enabled Monitoring of an Optimized Electric Vehicle's Battery System. Mobile Networks and Applications, 2018, 23, 994-1005.	3.3	30
20	A Comprehensive Review of Wireless Charging Technologies for Electric Vehicles. IEEE Transactions on Transportation Electrification, 2018, 4, 38-63.	7.8	580
21	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
22	A Review on Sustainable xEV charging System in Sun Rich Nations. , 2018, , .		1
23	Recent Development in Level 2 Charging System for xEV: A Review. , 2018, , .		5
24	Reliable and Economy Modes of Operation for Electric Vehicle-to-Home (V2H) System. , 2018, , .		6
25	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
26	Feasibility study, design and implementation of smart polygeneration microgrid at AMU. Sustainable Cities and Society, 2017, 35, 309-322.	10.4	38
27	Automation of the grid: Indian initiatives. , 2017, , .		1
28	Optimal placement of electric, hybrid and plug-in hybrid electric vehicles (xEVs) in Indian power market. , 2017, , .		10
29	A state of the Art review on Wireless Power Transfer a step towards sustainable mobility. , 2017, , .		8
30	Congestion management in Indian Power Transmission System. International Journal of Engineering and Technology, 2017, 9, 26-31.	0.1	19
31	A Comprehensive Review of Fast Charging Infrastructure for Electric Vehicles. Smart Science, 0, , 1-15.	3.2	28
32	A Comprehensive Review on Level 2 Charging System for Electric Vehicles. Smart Science, 0, , 1-23.	3.2	15