

# Hatem Faiz Sindi

## List of Publications by Year in descending order

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41  
papers

564  
citations

623734

14  
h-index

677142

22  
g-index

41  
all docs

41  
docs citations

41  
times ranked

512  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Training and Testing Process on Machine Learning in Biomedical Datasets. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-17.	1.1	67
2	A novel hybrid deep learning approach including combination of 1D power signals and 2D signal images for power quality disturbance classification. <i>Expert Systems With Applications</i> , 2021, 174, 114785.	7.6	46
3	A detailed hydrothermal investigation of a helical micro double-tube heat exchanger for a wide range of helix pitch length. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101413.	5.7	39
4	In vitro antioxidant activity of <i>Ficus carica</i> L. latex from 18 different cultivars. <i>Scientific Reports</i> , 2020, 10, 10852.	3.3	38
5	Simulation of melting and solidification of graphene nanoparticles-PCM inside a dual tube heat exchanger with extended surface. <i>Journal of Energy Storage</i> , 2021, 44, 103265.	8.1	30
6	Modeling and Fault Categorization in Thin-Film and Crystalline PV Arrays Through Multilayer Neural Network Algorithm. <i>IEEE Access</i> , 2020, 8, 102235-102255.	4.2	29
7	Optoelectronic properties of electron beam-deposited NiOx thin films for solar cell application. <i>Results in Physics</i> , 2020, 17, 103122.	4.1	26
8	Random fully connected layered 1D CNN for solving the Z-bus loss allocation problem. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 171, 108794.	5.0	26
9	Effect of zinc doping on the optoelectronic properties of cadmium sulphide (CdS) thin films deposited by chemical bath deposition by utilising an alternative sulphur precursor. <i>Optik</i> , 2020, 218, 165197.	2.9	21
10	Fuzzy Logic-Based Direct Load Control Scheme for Air Conditioning Load to Reduce Energy Consumption. <i>IEEE Access</i> , 2020, 8, 117413-117427.	4.2	18
11	Annual performance analysis of small scale industrial waste heat assisted solar tower power plant and application of nanofluid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 124, 216-227.	5.3	18
12	An adaptive deep learning framework to classify unknown composite power quality event using known single power quality events. <i>Expert Systems With Applications</i> , 2021, 178, 115023.	7.6	18
13	Organosoluble Starch-Cellulose Binary Polymer Blend as a Quasi-Solid Electrolyte in a Dye-Sensitized Solar Cell. <i>Polymers</i> , 2020, 12, 516.	4.5	16
14	Energy Scenario in South Asia: Analytical Assessment and Policy Implications. <i>IEEE Access</i> , 2020, 8, 156190-156207.	4.2	15
15	A Recent Analytical Approach for Analysis of Sub-Synchronous Resonance in Doubly-Fed Induction Generator-Based Wind Farm. <i>IEEE Access</i> , 2021, 9, 68888-68897.	4.2	15
16	Optimal Sizing and Scheduling of Mobile Energy Storage Toward High Penetration Levels of Renewable Energy and Fast Charging Stations. <i>IEEE Transactions on Energy Conversion</i> , 2022, 37, 1075-1086.	5.2	15
17	Estimation of Parameters of Different Equivalent Circuit Models of Solar Cells and Various Photovoltaic Modules Using Hybrid Variants of Honey Badger Algorithm and Artificial Gorilla Troops Optimizer. <i>Mathematics</i> , 2022, 10, 1057.	2.2	14
18	Penetration of Electric Vehicles in Gulf Region and its Influence on Energy and Economy. <i>IEEE Access</i> , 2021, 9, 89412-89431.	4.2	12

#	ARTICLE	IF	CITATIONS
19	Current-voltage curves of planar heterojunction perovskite solar cells â€“ Novel expressions based on Lambert W function and Special Trans Function Theory. Journal of Advanced Research, 2023, 44, 91-108.	9.5	12
20	Single Diode Solar Cellsâ€™ Improved Model and Exact Currentâ€™Voltage Analytical Solution Based on Lambertâ€™s W Function. Sensors, 2022, 22, 4173.	3.8	12
21	The effects of incident solar radiation on the collector efficiency using coolant hybrid nanofluid via simulation of solar tower system with the parallel heat exchangers. Journal of the Taiwan Institute of Chemical Engineers, 2021, 124, 106-115.	5.3	11
22	A healthcare evaluation system based on automated weighted indicators with cross-indicators based learning approach in terms of energy management and cybersecurity. International Journal of Medical Informatics, 2020, 144, 104300.	3.3	9
23	Numerical investigation of molten salt/SiO <sub>2</sub> nano-fluid in the solar power plant cycle and examining different arrangements of shell and tube heat exchangers and plate heat exchangers in these cycles. Journal of the Taiwan Institute of Chemical Engineers, 2021, 124, 1-8.	5.3	8
24	Hardware Approach to Mitigate the Effects of Module Mismatch in a Grid-connected Photovoltaic System: A Review. Energies, 2019, 12, 4321.	3.1	7
25	Optimal Allocation of Distributed Generation Considering Protection. Energies, 2020, 13, 2402.	3.1	6
26	Implementation of Smart Grid Technologies in Pakistan under CPEC Project: Technical and Policy Implications. IEEE Access, 2021, 9, 61594-61610.	4.2	6
27	A Novel Tilt and Acceleration Measurement System Based on Hall-Effect Sensors Using Neural Networks. Mathematical Problems in Engineering, 2022, 2022, 1-13.	1.1	6
28	Unified Reliability Index Development for Utility Performance Assessment. Intelligent Industrial Systems, 2016, 2, 149-161.	1.0	5
29	Electric Transportation in Pakistan Under CPEC Project: Technical Framework and Policy Implications. IEEE Access, 2020, 8, 162394-162420.	4.2	5
30	Reliability Assessment under High Penetration of EVs including V2G Strategy. Energies, 2022, 15, 1585.	3.1	5
31	Distributed generation long-term planning in smart distribution systems considering daily optimal operation. , 2015, , .		2
32	Power sharing control and wind power curtailing for offshore multi-terminal VSC-HVDC transmission. , 2016, , .		2
33	Strategic analysis of potential conflicts in the smart grid paradigm and their effects on the planning procedures of smart distribution systems. , 2015, , .		1
34	Smart distribution systems stakeholders analysis and the effects on long-term planning. , 2017, , .		1
35	A Subspace Identification Technique for Real-Time Stability Assessment of Droop Based Microgrids. IEEE Transactions on Power Systems, 2022, 37, 2731-2743.	6.5	1
36	Goal Programming and Mathematical Modelling for Developing a Capacity Planning Decision Support System-Based Framework in Higher Education Institutions. Applied Sciences (Switzerland), 2022, 12, 1702.	2.5	1

#	ARTICLE	IF	CITATIONS
37	Estimation of Solar Radiation on a PV Panel Surface with an Optimal Tilt Angle Using Electric Charged Particles Optimization. Electronics (Switzerland), 2022, 11, 2056.	3.1	1
38	Distributed generation long-term planning in smart distribution systems considering daily optimal operation. International Journal of Process Systems Engineering, 2016, 4, 19.	0.2	0
39	Realization of market clearance alternatives in AC/DC hybrid microgrids. , 2016, , .		0
40	Distributed generation long-term planning for voltage profile enhancements using optimal hourly operation conditions. , 2016, , .		0
41	Enhancement of the Triboelectrification Using Artificial Surface Charges. IEEE Access, 2020, 8, 222556-222561.	4.2	0