

# Hussain M Bassi

## List of Publications by Citations

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21  
papers

146  
citations

7  
h-index

11  
g-index

26  
ext. papers

219  
ext. citations

2.8  
avg, IF

3.39  
L-index

#	Paper	IF	Citations
21	Dual input switched-capacitor-based single-phase hybrid boost multilevel inverter topology with reduced number of components. <i>IET Power Electronics</i> , <b>2020</b> , 13, 881-891	2.2	31
20	Economical-technical-environmental operation of power networks with wind-solar-hydropower generation using analytic hierarchy process and improved grey wolf algorithm. <i>Ain Shams Engineering Journal</i> , <b>2021</b> , 12, 2717-2734	4.4	23
19	Design and Implementation of a Hybrid Single T-Type Double H-Bridge Multilevel Inverter (STDH-MLI) Topology. <i>Energies</i> , <b>2019</b> , 12, 1810	3.1	14
18	A New Hybrid Multilevel Inverter Topology with Reduced Switch Count and dc Voltage Sources. <i>Energies</i> , <b>2019</b> , 12, 977	3.1	10
17	Switched-capacitor multilevel inverter with self-voltage-balancing for high-frequency power distribution system. <i>IET Power Electronics</i> , <b>2020</b> , 13, 1807-1818	2.2	10
16	<b>2010</b> ,		10
15	Predictive Flux Control for Induction Motor Drives With Modified Disturbance Observer for Improved Transient Response. <i>IEEE Access</i> , <b>2020</b> , 8, 112484-112495	3.5	7
14	Impact of Phase Locked Loop with Different Types and Control Dynamics on Resonance of DFIG System. <i>Energies</i> , <b>2020</b> , 13, 1039	3.1	7
13	Asymmetrical Multilevel Inverter Topology with Reduced Number of Components <b>2018</b> ,		6
12	Transient Faults in Wind Energy Conversion Systems: Analysis, Modelling Methodologies and Remedies. <i>Energies</i> , <b>2018</b> , 11, 2249	3.1	6
11	Analysis of LC-LC2 Compensated Inductive Power Transfer for High Efficiency and Load Independent Voltage Gain. <i>Energies</i> , <b>2018</b> , 11, 2883	3.1	4
10	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> , <b>2022</b> , 10, 1057	2.3	4
9	Hardware Approach to Mitigate the Effects of Module Mismatch in a Grid-connected Photovoltaic System: A Review. <i>Energies</i> , <b>2019</b> , 12, 4321	3.1	3
8	Optimal feature selection using modified cuckoo search for classification of power quality disturbances. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 113, 107897	7.5	3
7	A New PWM Technique for Cascade H-Bridge with Reduced Switching Losses <b>2019</b> ,		2
6	Intelligent Machine Learning With Evolutionary Algorithm Based Short Term Load Forecasting in Power Systems. <i>IEEE Access</i> , <b>2021</b> , 9, 100113-100124	3.5	2
5	Space-vector current control of cascaded half-bridge three-phase three-wire voltage source inverter. <i>IET Power Electronics</i> , <b>2021</b> , 14, 201-210	2.2	1

4	Method for harvesting solar energy. <i>Journal of Applied Engineering Science</i> , <b>2021</b> , 19, 504-514	1.2	1
3	Reducing Fault Current by Using FACTS Devices to Improve Electrical Power Flow. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-9	1.1	1
2	Single Diode Solar Cells Improved Model and Exact Current-Voltage Analytical Solution Based on Lambert W Function. <i>Sensors</i> , <b>2022</b> , 22, 4173	3.8	1
1	Addendum: Abubakar, U.; Mekhilef, S.; Mokhlis, H.; Seyedmahmoudian, M.; Horan, B.; Stojcevski, A.; Bassi, H.; Rawa, M.J.H. Transient Faults in Wind Energy Conversion Systems: Analysis, Modelling Methodologies and Remedies. <i>Energies</i> 2018, 11, 2249. <i>Energies</i> , <b>2019</b> , 12, 286	3.1	