

# Ali Faisal Murtaza

## List of Publications by Year in descending order

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18  
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docs citations

18  
times ranked

341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capacitor charging method for V curve tracer and MPPT in photovoltaic systems. Solar Energy, 2015, 119, 461-473.	6.1	83
2	An analytical approach to study partial shading effects on PV array supported by literature. Renewable and Sustainable Energy Reviews, 2017, 74, 721-732.	16.4	82
3	Comparative analysis of maximum power point tracking techniques for PV applications. , 2013, , .		44
4	A Circuit Analysis-Based Fault Finding Algorithm for Photovoltaic Array Under L/L/G Faults. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3067-3076.	5.4	22
5	Module Level Electronic Circuit Based PV Array for Identification and Reconfiguration of Bypass Modules. IEEE Transactions on Energy Conversion, 2021, 36, 380-389.	5.2	18
6	A Diode-Based Fault Detection, Classification, and Localization Method for Photovoltaic Array. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	18
7	Efficient MPP Tracking of Photovoltaic (PV) Array Through Modified Boost Converter With Simple SMC Voltage Regulator. IEEE Transactions on Sustainable Energy, 2022, 13, 1790-1801.	8.8	18
8	Design and Analysis of a Novel High-Gain DC-DC Boost Converter with Low Component Count. Electronics (Switzerland), 2021, 10, 1761.	3.1	17
9	Fault Detection, Classification and Localization Algorithm for Photovoltaic Array. IEEE Transactions on Energy Conversion, 2021, 36, 2945-2955.	5.2	13
10	A novel sensor-less current technique for photovoltaic system using DC transformer model based model predictive control. International Journal of Electrical Power and Energy Systems, 2020, 122, 106165.	5.5	11
11	Improved Voltage Controlled Three Phase Voltage Source Inverter Using Model Predictive Control for Standalone System. , 2018, , .		10
12	Cabling Constraints in PV Array Architecture: Design, Mathematical Model and Cost Analysis. IEEE Access, 2020, 8, 182742-182754.	4.2	8
13	A Direct PWM Voltage Controller of MPPT & Sizing of DC Loads for Photovoltaic System. IEEE Transactions on Energy Conversion, 2018, 33, 991-1001.	5.2	7
14	Revised Perturb and Observe Approach For Maximum Power Point Tracking Of Photovoltaic Module Using Finite Control Set Model Predictive Control. , 2019, , .		6
15	Transformerless Three Phase Variable Output Voltage DC/AC Standalone Power Converter Using Modified Restrictive Control Set Model Predictive Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3772-3783.	5.4	6
16	A Novel MPPT Technique Based on Mutual Coordination between Two PV Modules/Arrays. Energies, 2021, 14, 6996.	3.1	6
17	Optimization of the perturb and observe maximum power point tracker for a distributed photovoltaic system. , 2013, , .		5
18	Neighboring-Pixel-Based Maximum Power Point Tracking Algorithm for Partially Shaded Photovoltaic (PV) Systems. Electronics (Switzerland), 2022, 11, 359.	3.1	3