

Vun Jack Chin

List of Publications by Year in descending order

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docs citations

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3783
citing authors

#	ARTICLE	IF	CITATIONS
1	A Simple Yet Fully Adaptive PSO Algorithm for Global Peak Tracking of Photovoltaic Array Under Partial Shading Conditions. IEEE Transactions on Industrial Electronics, 2022, 69, 5922-5930.	7.9	18
2	An Improved Approach to Enhance Training Performance of ANN and the Prediction of PV Power for Any Time-Span without the Presence of Real-Time Weather Data. Sustainability, 2021, 13, 11893.	3.2	5
3	A fast and accurate generalized analytical approach for PV arrays modeling under partial shading conditions. Solar Energy, 2020, 208, 753-765.	6.1	31
4	Methodology to Determine Photovoltaic Inverter Conversion Efficiency for the Equatorial Region. Applied Sciences (Switzerland), 2020, 10, 201.	2.5	2
5	Recent developments of MPPT techniques for PV systems under partial shading conditions: a critical review and performance evaluation. IET Renewable Power Generation, 2020, 14, 3401-3417.	3.1	46
6	Analysis and experimental validation of partial shading mitigation in photovoltaic system using integrated dc-dc converter with maximum power point tracker. IET Renewable Power Generation, 2019, 13, 2356-2366.	3.1	12
7	Performance evaluation of dc power optimizer (DCPO) for photovoltaic (PV) system during partial shading. Renewable Energy, 2019, 139, 1336-1354.	8.9	33
8	Coyote optimization algorithm for the parameter extraction of photovoltaic cells. Solar Energy, 2019, 194, 656-670.	6.1	87
9	Optimized sizing of photovoltaic grid-connected electric vehicle charging system using particle swarm optimization. International Journal of Energy Research, 2019, 43, 500-522.	4.5	69
10	A New Three-point-based Approach for the Parameter Extraction of Photovoltaic Cells. Applied Energy, 2019, 237, 519-533.	10.1	74
11	A rule-based energy management scheme for uninterrupted electric vehicles charging at constant price using photovoltaic-grid system. Renewable Energy, 2018, 125, 384-400.	8.9	96
12	A High-Gain, High-Efficiency Nonisolated Bidirectional DC-DC Converter With Sustained ZVS Operation. IEEE Transactions on Industrial Electronics, 2018, 65, 7829-7840.	7.9	37
13	An Enhanced Adaptive P&O MPPT for Fast and Efficient Tracking Under Varying Environmental Conditions. IEEE Transactions on Sustainable Energy, 2018, 9, 1487-1496.	8.8	279
14	Modifications to Accelerate the Iterative Algorithm for the Two-diode Model of PV Module. , 2018, , .		5
15	A Rule-based Power Management Controller using Stateflow for Grid-Connected PV-Battery Energy System supplying Household load. , 2018, , .		8
16	Production of liquid biofuels (biodiesel and bioethanol) from brown marine macroalgae Padina tetrastromatica. Energy Conversion and Management, 2017, 135, 351-361.	9.2	74
17	An Accurate and Fast Computational Algorithm for the Two-diode Model of PV Module Based on a Hybrid Method. IEEE Transactions on Industrial Electronics, 2017, 64, 6212-6222.	7.9	70
18	Integrated photovoltaic-grid dc fast charging system for electric vehicle: A review of the architecture and control. Renewable and Sustainable Energy Reviews, 2017, 69, 1243-1257.	16.4	117

#	ARTICLE	IF	CITATIONS
19	Performance degradation of photovoltaic power system: Review on mitigation methods. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 876-891.	16.4	133
20	Charging of Electric Vehicle with Constant Price Using Photovoltaic Based Grid-connected System. , 2016, , .		10
21	A high gain soft switching non-isolated bidirectional DC-DC converter. , 2016, , .		6
22	Electric Vehicle Charging Using Photovoltaic based Microgrid for Remote Islands. <i>Energy Procedia</i> , 2016, 103, 213-218.	1.8	37
23	A critical review of electric vehicle charging using solar photovoltaic. <i>International Journal of Energy Research</i> , 2016, 40, 439-461.	4.5	83
24	Electric vehicles charging using photovoltaic: Status and technological review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 34-47.	16.4	189
25	Cell modelling and model parameters estimation techniques for photovoltaic simulator application: A review. <i>Applied Energy</i> , 2015, 154, 500-519.	10.1	494
26	An accurate two diode model computation for CIS thin film PV module using the hybrid approach. , 2015, , .		8
27	A modified differential evolution based maximum power point tracker for photovoltaic system under partial shading condition. <i>Energy and Buildings</i> , 2015, 103, 175-184.	6.7	54
28	A critical evaluation on maximum power point tracking methods for partial shading in PV systems. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 47, 933-953.	16.4	150
29	Design and implementation of 15-level cascaded multi-level voltage source inverter with harmonics elimination pulse-width modulation using differential evolution method. <i>IET Power Electronics</i> , 2015, 8, 1740-1748.	2.1	53
30	Application of differential evolution for cascaded multilevel VSI with harmonics elimination PWM switching. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 64, 447-456.	5.5	39
31	Design and implementation of a high-frequency LC-based half-bridge resonant converter for dielectric barrier discharge ozone generator. <i>IET Power Electronics</i> , 2014, 7, 2403-2411.	2.1	15
32	A Maximum Power Point Tracking (MPPT) for PV system using Cuckoo Search with partial shading capability. <i>Applied Energy</i> , 2014, 119, 118-130.	10.1	471
33	A Simple Energy Recovery Scheme to Harvest the Energy from Shaded Photovoltaic Modules During Partial Shading. <i>IEEE Transactions on Power Electronics</i> , 2014, 29, 6458-6471.	7.9	77
34	A review of maximum power point tracking techniques of PV system for uniform insolation and partial shading condition. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 19, 475-488.	16.4	488
35	The application of soft computing methods for MPPT of PV system: A technological and status review. <i>Applied Energy</i> , 2013, 107, 135-148.	10.1	320
36	Design and implementation of a low cost, high yield dielectric barrier discharge ozone generator based on the single switch resonant converter. <i>IET Power Electronics</i> , 2013, 6, 1583-1591.	2.1	11

#	ARTICLE	IF	CITATIONS
37	Parameter extraction of solar photovoltaic modules using penalty-based differential evolution. Applied Energy, 2012, 99, 297-308.	10.1	302
38	Simple, fast and accurate two-diode model for photovoltaic modules. Solar Energy Materials and Solar Cells, 2011, 95, 586-594.	6.2	535
39	Modeling and simulation of photovoltaic (PV) system during partial shading based on a two-diode model. Simulation Modelling Practice and Theory, 2011, 19, 1613-1626.	3.8	252
40	Analysis and design of a high efficiency bidirectional DC-DC converter for battery and ultracapacitor applications. Simulation Modelling Practice and Theory, 2011, 19, 1651-1667.	3.8	35
41	A critical evaluation of EA computational methods for Photovoltaic cell parameter extraction based on two diode model. Solar Energy, 2011, 85, 1768-1779.	6.1	176
42	A comprehensive MATLAB Simulink PV system simulator with partial shading capability based on two-diode model. Solar Energy, 2011, 85, 2217-2227.	6.1	325