Prasanth Ram J

List of Publications by Year
in descending order

34 papers	2,157 citations	448610 19 h-index	536525 29 g-index
35 all docs	35 docs citations	35 times ranked	1663 citing authors

#	Article	IF	Citations
1	Parameter Estimation of Organic Photovoltaic Cells – A Three-Diode Approach Using Wind-Driven Optimization Algorithm. IEEE Journal of Photovoltaics, 2022, 12, 327-336.	1.5	7
2	A New Minimal Relocation Framework for Shade Mitigation in Photovoltaic Installations Using Flower Pollination Algorithm. IEEE Journal of Photovoltaics, 2022, 12, 888-897.	1.5	4
3	A simple, reliable and adaptive approach to estimate photovoltaic parameters using spotted hyena optimization: A framework intelligent to predict photovoltaic parameters for any meteorological change. Solar Energy, 2022, 236, 480-498.	2.9	9
4	Application of Two-Phase Simplex Method (TPSM) for an Efficient Home Energy Management System to Reduce Peak Demand and Consumer Consumption Cost. IEEE Access, 2021, 9, 63591-63601.	2.6	20
5	A new shade dispersion technique compatible for symmetrical and unsymmetrical photovoltaic (PV) arrays. Energy, 2021, 225, 120241.	4.5	22
6	Detection and Identification of Global Maximum Power Point Operation in Solar PV Applications Using a Hybrid ELPSO-P&O Tracking Technique. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1361-1374.	3.7	62
7	An Accurate, Shade Detection-Based Hybrid Maximum Power Point Tracking Approach for PV Systems. IEEE Transactions on Power Electronics, 2020, 35, 6594-6608.	5.4	57
8	Performance enhancement of solar PV systems applying P&O assisted Flower Pollination Algorithm (FPA). Solar Energy, 2020, 199, 214-229.	2.9	41
9	Investigation of Bacterial Foraging Algorithm Applied for PV Parameter Estimation, Selective Harmonic Elimination in Inverters and Optimal Power Flow for Stability. Modeling and Optimization in Science and Technologies, 2020, , 135-167.	0.7	4
10	Flower Pollination Based Solar PV Parameter Extraction for Double Diode Model. Lecture Notes in Electrical Engineering, 2020, , 303-312.	0.3	3
11	A New Array Reconfiguration Scheme for Solar PV Systems Under Partial Shading Conditions. Lecture Notes in Electrical Engineering, 2020, , 387-396.	0.3	4
12	Extended analysis on Line-Line and Line-Ground faults in PV arrays and a compatibility study on latest NEC protection standards. Energy Conversion and Management, 2019, 196, 988-1001.	4.4	22
13	Comment on "Important notes on parameter estimation of solar photovoltaic cell" by Gnetchejo et al. [Energy Conversion and Management, https://doi.org/10.1016/j.enconman.2019.111870]. Energy Conversion and Management, 2019, 201, 112131.	4.4	1
14	Reply on "Reply to comment on Important notes on parameter estimation of solar photovoltaic cell" by Gnetchejo et al. [Energy Conversion and Management, https://doi.org/10.1016/j.enconman.2019.111870]. Energy Conversion and Management, 2019, 201, 112234.	4.4	1
15	Enhanced power production in PV arrays using a new skyscraper puzzle based one-time reconfiguration procedure under partial shade conditions (PSCs). Solar Energy, 2019, 194, 209-224.	2.9	109
16	Particle Swarm Optimization Based Solar PV Array Reconfiguration of the Maximum Power Extraction Under Partial Shading Conditions. IEEE Transactions on Sustainable Energy, 2018, 9, 74-85.	5.9	259
17	Analysis on solar PV emulators: A review. Renewable and Sustainable Energy Reviews, 2018, 81, 149-160.	8.2	126
18	An Internet of Things to Maximum Power Point Tracking Approach of Solar PV Array. Lecture Notes in Electrical Engineering, 2018, , 401-409.	0.3	4

#	Article	IF	Citations
19	Green Algae, Sunflower Seed and Reduced Graphene Oxide in Organic Photovoltaic Cell. , 2018, , .		1
20	Design and testing of two phase array reconfiguration procedure for maximizing power in solar PV systems under partial shade conditions (PSC). Energy Conversion and Management, 2018, 178, 92-110.	4.4	67
21	A simple, sensorless and fixed reconfiguration scheme for maximum power enhancement in PV systems. Energy Conversion and Management, 2018, 172, 402-417.	4.4	87
22	A new hybrid bee pollinator flower pollination algorithm for solar PV parameter estimation. Energy Conversion and Management, 2017, 135, 463-476.	4.4	213
23	Design and overview of maximum power point tracking techniques in wind and solar photovoltaic systems: A review. Renewable and Sustainable Energy Reviews, 2017, 73, 1138-1159.	8.2	101
24	A new robust, mutated and fast tracking LPSO method for solar PV maximum power point tracking under partial shaded conditions. Applied Energy, 2017, 201, 45-59.	5.1	60
25	A Novel Flower Pollination Based Global Maximum Power Point Method for Solar Maximum Power Point Tracking. IEEE Transactions on Power Electronics, 2017, 32, 8486-8499.	5.4	179
26	EL-PSO based MPPT for Solar PV under Partial Shaded Condition. Energy Procedia, 2017, 117, 1047-1053.	1.8	47
27	Modellingof Organic Photovoltaic Cells Based on an Improved Reverse Double Diode Model. Energy Procedia, 2017, 117, 1054-1061.	1.8	7
28	Dynamic Performance Enhancement of Three-Phase PV Grid-Connected Systems Using Constant PowerGeneration (CPG). Advances in Intelligent Systems and Computing, 2017, , 187-198.	0.5	0
29	A comprehensive review on solar PV maximum power point tracking techniques. Renewable and Sustainable Energy Reviews, 2017, 67, 826-847.	8.2	374
30	A new global maximum power point tracking technique for solar photovoltaic (PV) system under partial shading conditions (PSC). Energy, 2017, 118, 512-525.	4.5	86
31	Design of controllers for energy management system. , 2017, , .		1
32	FPA based approach for solar maximum power point tracking. , 2016, , .		9
33	Solar PV parameter extraction using FPA. , 2016, , .		3
34	Parameter extraction of two diode solar PV model using Fireworks algorithm. Solar Energy, 2016, 140, 265-276.	2.9	167