Kok Soon Tey

List of Publications by Year
in descending order

51 papers	4,050 citations	304368 22 h-index	301761 39 g-index
52 all docs	52 docs citations	52 times ranked	2871 citing authors

#	Article	IF	Citations
1	Forecasting of photovoltaic power generation and model optimization: A review. Renewable and Sustainable Energy Reviews, 2018, 81, 912-928.	8.2	680
2	Modified Incremental Conductance Algorithm for Photovoltaic System Under Partial Shading Conditions and Load Variation. IEEE Transactions on Industrial Electronics, 2014, 61, 5384-5392.	5.2	389
3	Overview of model-based online state-of-charge estimation using Kalman filter family for lithium-ion batteries. Renewable and Sustainable Energy Reviews, 2019, 113, 109233.	8.2	382
4	Modified incremental conductance MPPT algorithm to mitigate inaccurate responses under fast-changing solar irradiation level. Solar Energy, 2014, 101, 333-342.	2.9	347
5	State of the art artificial intelligence-based MPPT techniques for mitigating partial shading effects on PV systems â€“ A review. Renewable and Sustainable Energy Reviews, 2016, 64, 435-455.	8.2	267
6	Simulation and Hardware Implementation of New Maximum Power Point Tracking Technique for Partially Shaded PV System Using Hybrid DEPSO Method. IEEE Transactions on Sustainable Energy, 2015, 6, 850-862.	5.9	258
7	Improved Differential Evolution-Based MPPT Algorithm Using SEPIC for PV Systems Under Partial Shading Conditions and Load Variation. IEEE Transactions on Industrial Informatics, 2018, 14, 4322-4333.	7.2	222
8	Short-term PV power forecasting using hybrid GASVM technique. Renewable Energy, 2019, 140, 367-379.	4.3	195
9	A Fast-Converging MPPT Technique for Photovoltaic System Under Fast-Varying Solar Irradiation and Load Resistance. IEEE Transactions on Industrial Informatics, 2015, 11, 176-186.	7.2	182
10	Combined State of Charge and State of Energy Estimation of Lithium-Ion Battery Using Dual Forgetting Factor-Based Adaptive Extended Kalman Filter for Electric Vehicle Applications. IEEE Transactions on Vehicular Technology, 2021, 70, 1200-1215.	3.9	128
11	Maximum Power Point Tracking Using Modified Butterfly Optimization Algorithm for Partial Shading, Uniform Shading, and Fast Varying Load Conditions. IEEE Transactions on Power Electronics, 2021, 36, 5569-5581.	5.4	115
12	Performance Evaluation of Maximum Power Point Tracking Approaches and Photovoltaic Systems. Energies, 2018, 11, 365.	1.6	101
13	SVR-Based Model to Forecast PV Power Generation under Different Weather Conditions. Energies, 2017, 10, 876.	1.6	87
14	Advancement of lithium-ion battery cells voltage equalization techniques: A review. Renewable and Sustainable Energy Reviews, 2020, 134, 110227.	8.2	86
15	Maximum Power Point Tracking for Photovoltaic Systems under Partial Shading Conditions Using Bat Algorithm. Sustainability, 2018, 10, 1347.	1.6	65
16	A Differential Evolution Based MPPT Method for Photovoltaic Modules under Partial Shading Conditions. International Journal of Photoenergy, 2014, 2014, 1-10.	1.4	61
17	Short-Term Forecasting of the Output Power of a Building-Integrated Photovoltaic System Using a Metaheuristic Approach. Energies, 2018, 11, 1260.	1.6	50
18	New ARMO-based MPPT Technique to Minimize Tracking Time and Fluctuation at Output of PV Systems under Rapidly Changing Shading Conditions. IEEE Transactions on Industrial Informatics, 2024, , 1-1.	7.2	46

#	Article	IF	Citations
19	A New Coil Structure of Dual Transmitters and Dual Receivers With Integrated Decoupling Coils for Increasing Power Transfer and Misalignment Tolerance of Wireless EV Charging System. IEEE Transactions on Industrial Electronics, 2022, 69, 7869-7878.	5.2	43
20	Improved-Team-Game-Optimization-Algorithm-Based Solar MPPT With Fast Convergence Speed and Fast Response to Load Variations. IEEE Transactions on Industrial Electronics, 2021, 68, 7093-7103.	5.2	42
21	Simple and low cost incremental conductance maximum power point tracking using buck-boost converter. Journal of Renewable and Sustainable Energy, 2013, 5, .	0.8	41
22	Lithium-Ion Battery State of Charge (SoC) Estimation with Non-Electrical parameter using Uniform Fiber Bragg Grating (FBG). Journal of Energy Storage, 2021, 40, 102704.	3.9	36
23	A reduced leakage current transformerless photovoltaic inverter. Renewable Energy, 2016, 86, 1103-1112.	4.3	30
24	Modelâ€based state of X estimation of lithiumâ€ion battery for electric vehicle applications. International Journal of Energy Research, 2022, 46, 10704-10723.	2.2	26
25	Improved Social Ski Driver-Based MPPT for Partial Shading Conditions Hybridized With Constant Voltage Method for Fast Response to Load Variations. IEEE Transactions on Sustainable Energy, 2021, 12, 2255-2267.	5.9	21
26	A Single Phase Doubly Grounded Semi-Z-Source Inverter for Photovoltaic (PV) Systems with Maximum Power Point Tracking (MPPT). Energies, 2014, 7, 3618-3641.	1.6	18
27	Implementation of BAT Algorithm as Maximum Power Point Tracking Technique for Photovoltaic System Under Partial Shading Conditions. , 2018, , .		16
28	Advancement of voltage equalizer topologies for serially connected solar modules as partial shading mitigation technique: A comprehensive review. Journal of Cleaner Production, 2021, 285, 124824.	4.6	13
29	Improved Proportional-Integral Coordinated MPPT Controller with Fast Tracking Speed for Grid-Tied PV Systems under Partially Shaded Conditions. Sustainability, 2021, 13, 830.	1.6	12
30	Performances of the adaptive conventional maximum power point tracking algorithms for solar photovoltaic system. Sustainable Energy Technologies and Assessments, 2022, 53, 102390.	1.7	10
31	An Interoperable Component-Based Architecture for Data-Driven IoT System. Sensors, 2019, 19, 4354.	2.1	9
32	Near State Vector Selection-Based Model Predictive Control with Common Mode Voltage Mitigation for a Three-Phase Four-Leg Inverter. Energies, 2017, 10, 2129.	1.6	7
33	Lyapunov model predictive control to optimise computational burden, reference tracking and THD of threeâ€phase fourâ€leg inverter. IET Power Electronics, 2019, 12, 1061-1070.	1.5	7
34	Optimized Support Vector Regression-Based Model for Solar Power Generation Forecasting on the Basis of Online Weather Reports. IEEE Access, 2022, 10, 15594-15604.	2.6	7
35	Extendable Voltage Equalizer Topology With Reduced Switch Count and MPPT With Partial Shading Detection Capability for Long Serially Connected PV Modules. IEEE Transactions on Industry Applications, 2022, 58, 6459-6470.	3.3	7
36	Hybrid Metaheuristics for QoS-Aware Service Composition: A Systematic Mapping Study. IEEE Access, 2022, 10, 12678-12701.	2.6	6

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37	Combined SOC and SOE Estimation of Lithium-ion battery for Electric Vehicle Applications. , 2020, , .		6
38	Performance Evaluation and Validation of QCM (Query Control Mechanism) for QoS-Enabled Layered-Based Clustering for Reactive Flooding in the Internet of Things. Sensors, 2020, 20, 283.	2.1	4
39	Lithium-ion Battery Model Parameter Identification Using Modified Adaptive Forgetting Factor-Based Recursive Least Square Algorithm. , 2021, , .		4
40	Lithium-ion Battery State of Energy Estimation Using Deep Neural Network and Support Vector Regression. , 2021, , .		4
41	Modular Voltage Equalizer Topology with Reduced Number of Switch Count for Enhancing the Energy Yield During Partial Shading Conditions For PV System. , 2021, , .		3
42	Maximum Power Flow Management for Stand-alone PV Based Battery Charging System. , 2019, , .		3
43	Lyapunov law based model predictive control scheme for grid connected three phase three level neutral point clamped inverter. , 2017, , .		2
44	A Sustainable Distributed Building Integrated Photo-Voltaic System Architecture with a Single Radial Movement Optimization Based MPPT Controller. Sustainability, 2020, 12, 6687.	1.6	2
45	Route Optimization by using Dijkstra's Algorithm for the Waste Management System. , 2020, , .		2
46	Design and Implementation of Lithium-Ion Battery Based Smart Solar Powered Street Light System. , 2020, , .		2
47	Battery State of Charge Estimation Using Adaptive Extended Kalman Filter for Electric Vehicle application. , 2020, , .		2
48	Comparative Analysis of Conventional And Modified Perturb And Observe MPPT Controllers Under Partial Shading Conditions. , 2021, , .		2
49	Economic and Environmental Analysis of a Solar-Powered EV Charging System in Indiaâ€"A Case Study. Lecture Notes in Electrical Engineering, 2021, , 301-315.	0.3	1
50	Maximum Power Point Tracking With Improved Incremental Conductance Method for Fast Changing Solar Irradiation Level. IOP Conference Series: Earth and Environmental Science, 2013, 16, 012017.	0.2	0
51	A Star-Structured LC Resonant Switched Capacitor Equalizer for Lithium-ion Battery Strings. , 2019, , .		0