Kok Soon Tey

List of Publications by Year
in descending order

51 papers	4,050 citations	304602 22 h-index	302012 39 g-index
52 all docs	52 docs citations	52 times ranked	2871 citing authors

#	Article	IF	Citations
1	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
2	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
3	Hybrid Metaheuristics for QoS-Aware Service Composition: A Systematic Mapping Study. IEEE Access, 2022, 10, 12678-12701.	2.6	6
4	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
5	Model‐based state of X estimation of lithium‐ion battery for electric vehicle applications. International Journal of Energy Research, 2022, 46, 10704-10723.	2.2	26
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	Modular Voltage Equalizer Topology with Reduced Number of Switch Count for Enhancing the Energy Yield During Partial Shading Conditions For PV System. , 2021, , .		3
14	Lithium-ion Battery Model Parameter Identification Using Modified Adaptive Forgetting Factor-Based Recursive Least Square Algorithm. , 2021, , .		4
15	Lithium-ion Battery State of Energy Estimation Using Deep Neural Network and Support Vector Regression. , 2021, , .		4
16	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
17	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
18	Economic and Environmental Analysis of a Solar-Powered EV Charging System in India—A Case Study. Lecture Notes in Electrical Engineering, 2021, , 301-315.	0.3	1

#	Article	IF	Citations
19	Comparative Analysis of Conventional And Modified Perturb And Observe MPPT Controllers Under Partial Shading Conditions. , 2021, , .		2
20	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
21	Advancement of lithium-ion battery cells voltage equalization techniques: A review. Renewable and Sustainable Energy Reviews, 2020, 134, 110227.	8.2	86
22	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
23	Route Optimization by using Dijkstra's Algorithm for the Waste Management System. , 2020, , .		2
24	Design and Implementation of Lithium-Ion Battery Based Smart Solar Powered Street Light System. , 2020, , .		2
25	Combined SOC and SOE Estimation of Lithium-ion battery for Electric Vehicle Applications. , 2020, , .		6
26	Battery State of Charge Estimation Using Adaptive Extended Kalman Filter for Electric Vehicle application. , 2020, , .		2
27	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
28	An Interoperable Component-Based Architecture for Data-Driven IoT System. Sensors, 2019, 19, 4354.	2.1	9
29	Lyapunov model predictive control to optimise computational burden, reference tracking and THD of three‐phase four‐leg inverter. IET Power Electronics, 2019, 12, 1061-1070.	1.5	7
30	Short-term PV power forecasting using hybrid GASVM technique. Renewable Energy, 2019, 140, 367-379.	4.3	195
31	A Star-Structured LC Resonant Switched Capacitor Equalizer for Lithium-ion Battery Strings. , 2019, , .		0
32	Maximum Power Flow Management for Stand-alone PV Based Battery Charging System. , 2019, , .		3
33	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
34	Forecasting of photovoltaic power generation and model optimization: A review. Renewable and Sustainable Energy Reviews, 2018, 81, 912-928.	8.2	680
35	Implementation of BAT Algorithm as Maximum Power Point Tracking Technique for Photovoltaic System Under Partial Shading Conditions. , 2018, , .		16
36	Short-Term Forecasting of the Output Power of a Building-Integrated Photovoltaic System Using a Metaheuristic Approach. Energies, 2018, 11, 1260.	1.6	50

#	Article	IF	Citations
37	Maximum Power Point Tracking for Photovoltaic Systems under Partial Shading Conditions Using Bat Algorithm. Sustainability, 2018, 10, 1347.	1.6	65
38	Performance Evaluation of Maximum Power Point Tracking Approaches and Photovoltaic Systems. Energies, 2018, 11, 365.	1.6	101
39	Lyapunov law based model predictive control scheme for grid connected three phase three level neutral point clamped inverter. , 2017, , .		2
40	SVR-Based Model to Forecast PV Power Generation under Different Weather Conditions. Energies, 2017, 10, 876.	1.6	87
41	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
42	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
43	A reduced leakage current transformerless photovoltaic inverter. Renewable Energy, 2016, 86, 1103-1112.	4.3	30
44	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
45	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
46	A Differential Evolution Based MPPT Method for Photovoltaic Modules under Partial Shading Conditions. International Journal of Photoenergy, 2014, 2014, 1-10.	1.4	61
47	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
48	Modified incremental conductance MPPT algorithm to mitigate inaccurate responses under fast-changing solar irradiation level. Solar Energy, 2014, 101, 333-342.	2.9	347
49	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
50	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
51	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