

Kary Kt Thanapalan

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

275
citations

1478505

6
h-index

996975

15
g-index

33
all docs

33
docs citations

33
times ranked

299
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Hybrid Maximum Power Point Tracking Method for a Photovoltaic System. IEEE Transactions on Energy Conversion, 2013, 28, 353-360.	5.2	93
2	Power management control for off-grid solar hydrogen production and utilisation system. International Journal of Hydrogen Energy, 2013, 38, 4334-4341.	7.1	29
3	Comparative analysis of failure detection methods of composites materials™ systems. Systems Science and Control Engineering, 2017, 5, 168-177.	3.1	29
4	Nonlinear controller design for a helicopter with an external slung load system. Systems Science and Control Engineering, 2017, 5, 97-107.	3.1	17
5	Fault Tolerant Controller Design to Ensure Operational Safety in Satellite Formation Flying. , 2006, , .		12
6	A Comparison of Energy Management System for a DC Microgrid. Applied Sciences (Switzerland), 2020, 10, 1071.	2.5	11
7	Design and implementation of renewable hydrogen fuel cell vehicles. Renewable Energy and Power Quality Journal, 0, , 272-277.	0.2	10
8	Control-oriented PEM fuel cell system modeling and repetitive controller design. , 2011, , .		8
9	Failure Detection of Composites with Control System Corrective Response in Drone System Applications. Computers, 2018, 7, 23.	3.3	7
10	Agent Based Controller for Satellite Formation Flying. , 2005, , .		6
11	Stability Analysis of a Helicopter with an External Slung Load System. Journal of Control Science and Engineering, 2016, 2016, 1-14.	1.0	6
12	Renewable hydrogen hybrid electric vehicles and optimal energy recovery systems. , 2012, , .		4
13	Techniques for monitoring and predicting the OCV for VRLA battery systems. , 2015, , .		4
14	Energy management effects of integrating regenerative braking into a Renewable Hydrogen Vehicle. , 2012, , .		3
15	Design and implementation of an open circuit voltage prediction mechanism for lithium-ion battery systems. Systems Science and Control Engineering, 2014, 2, 707-717.	3.1	3
16	Review and analysis of failure detection methods of composites materials systems. , 2016, , .		3
17	An advanced prediction mechanism to analyse pore geometry shapes and identification of blocking effect in VRLA battery system. International Journal of Automation and Computing, 2017, 14, 21-32.	4.5	3
18	Optimal energy storage evaluation of a solar powered sustainable energy system. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	Capture and Storage of PV-Energy for Domestic Consumption. , 2018, , .		3
20	Optimization Strategies for Combined Heat and Power Range Extended Electric Vehicles. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 2014, , 315-320.	0.1	3
21	Using Low-Grade Heat for Solvent Extraction based Efficient Water Desalination. Computer Aided Chemical Engineering, 2011, , 1703-1707.	0.5	2
22	Design and implementation of on-board hydrogen production and storage system for hydrogen fuel cell vehicles. , 2011, , .		2
23	Enhanced OCV prediction mechanism for a stand-alone PV-lithium ion renewable energy system. Systems Science and Control Engineering, 2015, 3, 524-534.	3.1	2
24	Operational Safety Analysis and Controller Design of a Dual Drones System. , 2017, , .		2
25	Damage Detection and Critical Failure Prevention of Composites. , 2017, , .		2
26	Modelling and Simulation Study of a Helicopter with an External Slung Load System. I-manager's Journal on Instrumentation and Control Engineering, 2013, 1, 9-17.	0.6	2
27	Fuzzy logic control for solar powered hydrogen production, storage and utilisation system. , 2012, , .		1
28	Design and implementation of OCV prediction mechanism for PV-lithium ion battery system. , 2014, , .		1
29	Fracture Toughness Prediction of Composite Materials. , 2019, , .		1
30	Review and Analysis of Helicopter Control Methods. I-manager's Journal on Instrumentation and Control Engineering, 2015, 3, 1-10.	0.6	1
31	Failure detection of composite materials in sport applications. , 2020, , .		1
32	Development of an Advanced Solar Tracking Energy System. Springer Proceedings in Energy, 2021, , 77-82.	0.3	0