

Sumukh Surya

List of Publications by Year in descending order

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17
papers

146
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1478505

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all docs

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docs citations

18
times ranked

38
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Review on Smart Techniques for Estimation of State of Health for Battery Management System Application. <i>Energies</i> , 2021, 14, 4617.	3.1	21
2	Core Temperature Estimation for a Lithium ion 18650 Cell. <i>Energies</i> , 2021, 14, 87.	3.1	21
3	Generalized Circuit Averaging Technique for Two-Switch PWM DC-DC Converters in CCM. <i>Electronics (Switzerland)</i> , 2021, 10, 392.	3.1	13
4	Mathematical Modeling of Power Electronic Converters. <i>SN Computer Science</i> , 2021, 2, 1.	3.6	11
5	Cuk Converter as an Efficient Driver for LED. , 2019, , .		9
6	Development of thermal model for estimation of core temperature of batteries. <i>International Journal of Emerging Electric Power Systems</i> , 2020, 21, .	0.8	9
7	Comparative study of P, PI, PD and PID controllers for operation of a pressure regulating valve in a blow-down wind tunnel. , 2019, , .		8
8	Effect of Fast Discharge of a Battery on its Core Temperature. , 2020, , .		7
9	Novel Technique for Estimation of Cell Parameters Using MATLAB/Simulink. <i>Electronics (Switzerland)</i> , 2022, 11, 117.	3.1	7
10	Mathematical Modeling of DC-DC Converters and Li Ion Battery Using MATLAB/Simulink. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2021, , 104-143.	1.0	6
11	Modeling of Average Current in Ideal and Non-Ideal Boost and Synchronous Boost Converters. <i>Energies</i> , 2021, 14, 5158.	3.1	6
12	Smart Core and Surface Temperature Estimation Techniques for Health-Conscious Lithium-Ion Battery Management Systems: A Model-to-Model Comparison. <i>Energies</i> , 2022, 15, 623.	3.1	6
13	Technological Perspective of Cyber Secure Smart Inverters Used in Power Distribution System: State of the Art Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8780.	2.5	5
14	Modeling of Average Current in Non-Ideal Buck and Synchronous Buck Converters for Low Power Application. <i>Electronics (Switzerland)</i> , 2021, 10, 2672.	3.1	4
15	Nonlinear damping model for supersonic air-intake buzz. <i>Aerospace Science and Technology</i> , 2022, 126, 107567.	4.8	4
16	A Comprehensive Study on DC-DC and DC-AC Converters in Electric and Hybrid Electric Vehicles. <i>EAI/Springer Innovations in Communication and Computing</i> , 2022, , 59-81.	1.1	3
17	Energy Storage Devices and Front-End Converter Topologies for Electric Vehicle Applications. <i>EAI/Springer Innovations in Communication and Computing</i> , 2022, , 119-135.	1.1	2