

Sumukh Surya

List of Publications by Year in descending order

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