

Karthik Kandasamy

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Stacked Low-Inertia Converter or Solid-State Transformer: Modeling and Model Predictive Priority-Shifting Control for Voltage Balance. IEEE Transactions on Power Electronics, 2021, 36, 8934-8952.	7.9	23
2	SiC-Based 5-kV Universal Modular Soft-Switching Solid-State Transformer (M-S4T) for Medium-Voltage DC Microgrids and Distribution Grids. IEEE Transactions on Power Electronics, 2021, 36, 11326-11343.	7.9	49
3	Loss-of-life investigation of EV batteries used as smart energy storage for commercial building-based solar photovoltaic systems. IET Electrical Systems in Transportation, 2017, 7, 223-229.	2.4	18
4	Low-voltage ride-through capability of photovoltaic grid-connected neutral-point-clamped inverters with active/reactive power injection. IET Renewable Power Generation, 2017, 11, 1182-1190.	3.1	47
5	Online computation of IGBT on-state resistance for off-shelf three-phase two-level power converter systems. Microelectronics Reliability, 2016, 64, 379-386.	1.7	16
6	Inductively coupled modular battery system for electric vehicles. IET Power Electronics, 2016, 9, 600-609.	2.1	19
7	Inter-module state-of-charge balancing and fault-tolerant operation of cascaded H-bridge converter using multi-dimensional modulation for electric vehicle application. IET Power Electronics, 2015, 8, 1912-1919.	2.1	40
8	Double star chopper cell converter for battery electric vehicles with inter-module SoC balancing and fault tolerant control. , 2014, , .		5
9	Contactless and replaceable modularized battery energy storage system for electric vehicles. , 2013, , .		1
10	Cascaded sliding mode control for global stability of three phase AC/DC PWM rectifier with rapidly varying power electronic loads. , 2013, , .		7
11	Inter-module SoC balancing control for CHB based BESS using multi-dimensional modulation. , 2013, , .		9