

Ionut Vernica

List of Publications by Year in descending order

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14
papers

187
citations

2258059

3
h-index

2550090

3
g-index

14
all docs

14
docs citations

14
times ranked

153
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability of Power Electronic Systems for EV/HEV Applications. Proceedings of the IEEE, 2021, 109, 1060-1076.	21.3	80
2	Optimal Derating Strategy of Power Electronics Converter for Maximum Wind Energy Production with Lifetime Information of Power Devices. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 267-276.	5.4	29
3	Effect of Asymmetric Layout of IGBT Modules on Reliability of Motor Drive Inverters. IEEE Transactions on Power Electronics, 2019, 34, 1765-1772.	7.9	20
4	Design for reliability and robustness tool platform for power electronic systems " Study case on motor drive applications. , 2018, , .		18
5	Impact of Long-Term Mission Profile Sampling Rate on the Reliability Evaluation of Power Electronics in Photovoltaic Applications. , 2018, , .		9
6	Advanced derating strategy for extended lifetime of power electronics in wind power applications. , 2016, , .		8
7	A Mission-Profile-Based Tool for the Reliability Evaluation of Power Semiconductor Devices in Hybrid Electric Vehicles. , 2020, , .		7
8	Modelling and improvement of thermal cycling in power electronics for motor drive applications. , 2016, , .		4
9	Modelling and design of active thermal controls for power electronics of motor drive applications. , 2017, , .		3
10	Uncertainties in the Lifetime Prediction of IGBTs for a Motor Drive Application. , 2018, , .		3
11	Effect of asymmetric layout of IGBT modules on reliability of power inverters in motor drive system. , 2018, , .		3
12	Advanced design tools for the lifetime of power electronics - study case on motor drive application. , 2016, , .		2
13	Asymmetric Pulse Width Modulation for Improving the Reliability of Motor Drive Inverters. , 2018, , .		1
14	Loss and Thermal Modeling of Metal Oxide Varistors (MOV) Under Standard Current Surge Mission Profile. , 2019, , .		0