Ilan Aharon

List of Publications by Year
in descending order

17 papers	861 citations	840585 11 h-index	1058333 14 g-index
17 all docs	17 docs citations	17 times ranked	797 citing authors

#	Article	IF	Citations
1	Sizing Procedure for System Hybridization Based on Experimental Source Modeling for Electric Vehicles. Energies, 2021, 14, 5275.	1.6	5
2	Sizing Procedure for System Hybridization Based on Experimental Source Modeling in Grid Application. Energies, 2021, 14, 4685.	1.6	2
3	Design Considerations for GaN Based Converters. , 2019, , .		1
4	Uncertainty and Disturbance Estimator-Based Controllers Design Under Finite Control Bandwidth Constraint. IEEE Transactions on Industrial Electronics, 2018, 65, 1439-1449.	5.2	27
5	Phase Margin Oriented Design and Analysis of UDE-Based Controllers Under Actuator Constraints. IEEE Transactions on Industrial Electronics, 2018, 65, 8133-8141.	5.2	12
6	Robust output voltage control of multimode non-inverting DC–DC converter. International Journal of Control, 2017, 90, 110-120.	1.2	16
7	Multimode power processing interface for fuel cell range extender in battery powered vehicle. Applied Energy, 2017, 204, 572-581.	5.1	11
8	Robust UDE controller for energy storage application. , 2015, , .		0
9	Analysis of Dual-Carrier Modulator for Bidirectional Noninverting Buck–Boost Converter. IEEE Transactions on Power Electronics, 2015, 30, 840-848.	5.4	73
10	Interfacing renewable energy sources for maximum power transfer—Part I: Statics. Renewable and Sustainable Energy Reviews, 2014, 31, 501-508.	8.2	23
11	Performance and Limitations of a Constant Power-Fed Supercapacitor. IEEE Transactions on Energy Conversion, 2014, 29, 445-452.	3.7	40
12	Supercapacitor Sizing Based on Desired Power and Energy Performance. IEEE Transactions on Power Electronics, 2014, 29, 5399-5405.	5.4	63
13	Performance assessment of a power loaded supercapacitor based on manufacturer data. Energy Conversion and Management, 2013, 76, 137-144.	4.4	24
14	Analysis of bi-directional buck-boost converter for energy storage applications. , 2013, , .		14
15	Topological Overview of Powertrains for Battery-Powered Vehicles With Range Extenders. IEEE Transactions on Power Electronics, 2011, 26, 868-876.	5.4	215
16	A frequency domain approach to analyzing passive battery–ultracapacitor hybrids supplying periodic pulsed current loads. Energy Conversion and Management, 2011, 52, 3433-3438.	4.4	34
17	Battery–ultracapacitor hybrids for pulsed current loads: A review. Renewable and Sustainable Energy Reviews, 2011, 15, 981-992.	8.2	301