

Doron

List of Publications by Year in descending order

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46
papers

771
citations

623188

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47
all docs

47
docs citations

47
times ranked

685
citing authors

#	ARTICLE	IF	CITATIONS
1	Short Survey of Architectures of Photovoltaic Arrays for Solar Power Generation Systems. Energies, 2021, 14, 4917.	1.6	4
2	DCM Boost PFC for High Brightness LED Driver Applications. Energies, 2021, 14, 5486.	1.6	3
3	Maximum Electrical Power Extraction from Sources by Load Matching. Energies, 2021, 14, 8025.	1.6	2
4	A Lock Detector Loop for Low-power PLL-Based Clock and Data Recovery Circuits. Circuits, Systems, and Signal Processing, 2018, 37, 1692-1703.	1.2	4
5	Uncertainty and Disturbance Estimator-Based Controllers Design Under Finite Control Bandwidth Constraint. IEEE Transactions on Industrial Electronics, 2018, 65, 1439-1449.	5.2	27
6	Ceramic capacitor controlled resonant LLC converters. , 2018, , .		11
7	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
8	Robust output voltage control of multimode non-inverting DC-DC converter. International Journal of Control, 2017, 90, 110-120.	1.2	16
9	Advanced algorithms for operational benefits in future smart grids. , 2016, , .		0
10	A flexible and wearable energy harvester with an efficient and fast-converging analog MPPT. , 2016, , .		9
11	A 1-MHz 5-kV Power Supply Applying SiC Diodes and GaN HEMT Cascode MOSFETs in Soft Switching. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 1474-1482.	3.7	10
12	Effect of the capacitance distribution on the output impedance of the Half-Wave Cockcroft-Walton voltage multiplier. , 2016, , .		4
13	Robust UDE controller for energy storage application. , 2015, , .		0
14	A high voltage split source voltage multiplier with increased output voltage. , 2015, , .		4
15	A Matrix-Like Topology for High-Voltage Generation. IEEE Transactions on Plasma Science, 2015, 43, 3681-3687.	0.6	12
16	Analysis of Dual-Carrier Modulator for Bidirectional Noninverting Buck-Boost Converter. IEEE Transactions on Power Electronics, 2015, 30, 840-848.	5.4	73
17	Statistical analysis of power systems and application to load forecasting. , 2014, , .		4
18	± 10.5 V 16-channel programmable pulse generator using high-voltage BCD CMOS process. Electronics Letters, 2014, 50, 1797-1799.	0.5	2

#	ARTICLE	IF	CITATIONS
19	Implementation of a high voltage power supply with the MATLAB/Simulink embedded coder. , 2014, , .		2
20	The Driving Conditions for Obtaining Subnanosecond High-Voltage Pulses From a Silicon-Avalanche-Shaper Diode. IEEE Transactions on Plasma Science, 2014, 42, 4015-4019.	0.6	21
21	Fault diagnostic method of photovoltaic modules on mobile device. , 2014, , .		0
22	Simultaneous backward data transmission and power harvesting in an ultrasonic transcutaneous energy transfer link employing acoustically dependent electric impedance modulation. Ultrasonics, 2014, 54, 1929-1937.	2.1	56
23	Accelerated photovoltaic maximum power point tracking for partial shading conditions. , 2014, , .		0
24	A resonant LED driver with capacitive power transfer. , 2014, , .		18
25	Efficiency Study of a 2.2 kV, 1 ns, 1 MHz Pulsed Power Generator Based on a Drift-Step-Recovery Diode. IEEE Transactions on Plasma Science, 2013, 41, 3138-3142.	0.6	32
26	Maximum Power Point Tracking Employing Sliding Mode Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 724-732.	3.5	114
27	Analysis of bi-directional buck-boost converter for energy storage applications. , 2013, , .		14
28	One More Tool for Understanding Resonance and the Way for a New Definition. Journal of Engineering (United States), 2013, 2013, 1-16.	0.5	1
29	A reconfigurable 16-channel HV stimulator ASIC for Spinal Cord Stimulation systems. , 2012, , .		7
30	Energy-saving in constant speed running motors by means of adaptive sinusoidal voltage. , 2011, , .		0
31	A Power Management Strategy for Minimization of Energy Storage Reservoirs in Wireless Systems With Energy Harvesting. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 633-643.	3.5	36
32	Dynamic analysis of photovoltaic system with MPP locus emulation. , 2010, , .		3
33	A one-time implantable wireless power bidirectional transmission spinal cord stimulation system. , 2010, , .		5
34	On the Maximum Efficiency of Systems Containing Multiple Sources. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2232-2241.	3.5	12
35	Optimal Power Management in Fueled Systems With Finite Storage Capacity. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2221-2231.	3.5	35
36	Self-Sampled All-MOS ASK Demodulator for Lower ISM Band Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 265-269.	2.2	40

#	ARTICLE	IF	CITATIONS
37	A Low-Jitter 1.8-kV 100-ps Rise-Time 50-kHz Repetition-Rate Pulsed-Power Generator. IEEE Transactions on Plasma Science, 2009, 37, 1855-1862.	0.6	41
38	A Modified MPPT Scheme for Accelerated Convergence. IEEE Transactions on Energy Conversion, 2008, 23, 1105-1107.	3.7	67
39	Multiplication based synthesis of grid tied inverters. , 2008, , .		2
40	On the maximum power of systems consisting of multiple sources. , 2008, , .		0
41	Isolated feedback coupling by means of an acoustic channel. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	1
42	Load line emulation based maximum power point tracking. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	5
43	The Mathematical Foundation of Distributed Interleaved Systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 610-619.	0.1	31
44	An ultrasonic, electrically isolated channel, over PCB. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	1
45	Ultrasonic coupling of electrically isolated circuits using piezoelectric devices. , 2006, , .		0
46	Gyrator Realization Based on a Capacitive Switched Cell. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 1418-1422.	2.3	28