

Doron

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

771
citations

623188

14
h-index

552369

26
g-index

47
all docs

47
docs citations

47
times ranked

685
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Maximum Power Point Tracking Employing Sliding Mode Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 724-732. | 3.5 | 114 |
| 2 | Analysis of Dual-Carrier Modulator for Bidirectional Noninverting Buck-Boost Converter. IEEE Transactions on Power Electronics, 2015, 30, 840-848. | 5.4 | 73 |
| 3 | A Modified MPPT Scheme for Accelerated Convergence. IEEE Transactions on Energy Conversion, 2008, 23, 1105-1107. | 3.7 | 67 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | The Mathematical Foundation of Distributed Interleaved Systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 610-619. | 0.1 | 31 |
| 11 | 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 |
| 12 | Uncertainty and Disturbance Estimator-Based Controllers Design Under Finite Control Bandwidth Constraint. IEEE Transactions on Industrial Electronics, 2018, 65, 1439-1449. | 5.2 | 27 |
| 13 | 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 |
| 14 | A resonant LED driver with capacitive power transfer. , 2014, , . | | 18 |
| 15 | Robust output voltage control of multimode non-inverting DC-DC converter. International Journal of Control, 2017, 90, 110-120. | 1.2 | 16 |
| 16 | Analysis of bi-directional buck-boost converter for energy storage applications. , 2013, , . | | 14 |
| 17 | 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 |
| 18 | A Matrix-Like Topology for High-Voltage Generation. IEEE Transactions on Plasma Science, 2015, 43, 3681-3687. | 0.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | 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 |
| 20 | Ceramic capacitor controlled resonant LLC converters. , 2018, , . | | 11 |
| 21 | 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 |
| 22 | A flexible and wearable energy harvester with an efficient and fast-converging analog MPPT. , 2016, , . | | 9 |
| 23 | A reconfigurable 16-channel HV stimulator ASIC for Spinal Cord Stimulation systems. , 2012, , . | | 7 |
| 24 | Load line emulation based maximum power point tracking. Power Electronics Specialist Conference (PESC), IEEE, 2008, , . | 0.0 | 5 |
| 25 | A one-time implantable wireless power bidirectional transmission spinal cord stimulation system. , 2010, , . | | 5 |
| 26 | Statistical analysis of power systems and application to load forecasting. , 2014, , . | | 4 |
| 27 | A high voltage split source voltage multiplier with increased output voltage. , 2015, , . | | 4 |
| 28 | Effect of the capacitance distribution on the output impedance of the Half-Wave Cockcroft-Walton voltage multiplier. , 2016, , . | | 4 |
| 29 | 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 |
| 30 | Short Survey of Architectures of Photovoltaic Arrays for Solar Power Generation Systems. Energies, 2021, 14, 4917. | 1.6 | 4 |
| 31 | Dynamic analysis of photovoltaic system with MPP locus emulation. , 2010, , . | | 3 |
| 32 | DCM Boost PFC for High Brightness LED Driver Applications. Energies, 2021, 14, 5486. | 1.6 | 3 |
| 33 | Multiplication based synthesis of grid tied inverters. , 2008, , . | | 2 |
| 34 | ± 10.5 V 16-channel programmable pulse generator using high-voltage BCD CMOS process. Electronics Letters, 2014, 50, 1797-1799. | 0.5 | 2 |
| 35 | Implementation of a high voltage power supply with the MATLAB/Simulink embedded coder. , 2014, , . | | 2 |
| 36 | Maximum Electrical Power Extraction from Sources by Load Matching. Energies, 2021, 14, 8025. | 1.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | An ultrasonic, electrically isolated channel, over PCB. IEEE Applied Power Electronics Conference and Exposition, 2007, , . | 0.0 | 1 |
| 38 | Isolated feedback coupling by means of an acoustic channel. Power Electronics Specialist Conference (PESC), IEEE, 2008, , . | 0.0 | 1 |
| 39 | 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 |
| 40 | Ultrasonic coupling of electrically isolated circuits using piezoelectric devices. , 2006, , . | | 0 |
| 41 | On the maximum power of systems consisting of multiple sources. , 2008, , . | | 0 |
| 42 | Energy-saving in constant speed running motors by means of adaptive sinusoidal voltage. , 2011, , . | | 0 |
| 43 | Fault diagnostic method of photovoltaic modules on mobile device. , 2014, , . | | 0 |
| 44 | Accelerated photovoltaic maximum power point tracking for partial shading conditions. , 2014, , . | | 0 |
| 45 | Robust UDE controller for energy storage application. , 2015, , . | | 0 |
| 46 | Advanced algorithms for operational benefits in future smart grids. , 2016, , . | | 0 |