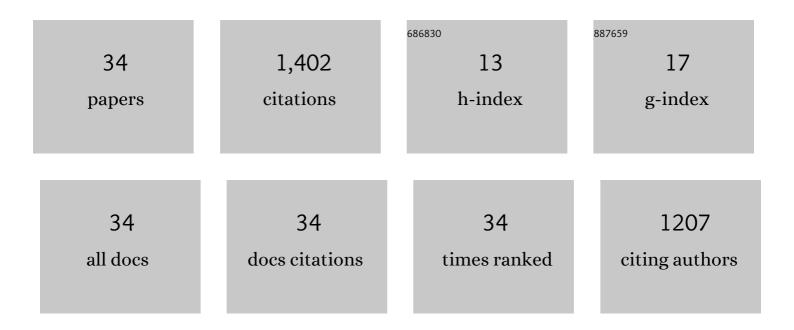
Miguel RodrÃ-guez

List of Publications by Year in descending order

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MICHEL RODRÃCHEZ

#	Article	IF	CITATIONS
1	Architectures and Control of Submodule Integrated DC–DC Converters for Photovoltaic Applications. IEEE Transactions on Power Electronics, 2013, 28, 2980-2997.	5.4	271
2	An Insight into the Switching Process of Power MOSFETs: An Improved Analytical Losses Model. IEEE Transactions on Power Electronics, 2010, 25, 1626-1640.	5.4	151
3	Performance of Power-Limited Differential Power Processing Architectures in Mismatched PV Systems. IEEE Transactions on Power Electronics, 2015, 30, 618-631.	5.4	146
4	High-Frequency PWM Buck Converters Using GaN-on-SiC HEMTs. IEEE Transactions on Power Electronics, 2014, 29, 2462-2473.	5.4	145
5	Very High Frequency PWM Buck Converters Using Monolithic GaN Half-Bridge Power Stages With Integrated Gate Drivers. IEEE Transactions on Power Electronics, 2016, 31, 7926-7942.	5.4	90
6	A Multiple-Input Digitally Controlled Buck Converter for Envelope Tracking Applications in Radiofrequency Power Amplifiers. IEEE Transactions on Power Electronics, 2010, 25, 369-381.	5.4	75
7	Comparison of virtual oscillator and droop control. , 2017, , .		63
8	Smart DC Power Management System Based on Software-Configurable Power Modules. IEEE Transactions on Power Electronics, 2013, 28, 1571-1586.	5.4	62
9	A Linear Assisted DC/DC Converter for Envelope Tracking and Envelope Elimination and Restoration Applications. IEEE Transactions on Power Electronics, 2012, 27, 3302-3309.	5.4	51
10	Average Inductor Current Sensor for Digitally Controlled Switched-Mode Power Supplies. IEEE Transactions on Power Electronics, 2012, 27, 3795-3806.	5.4	42
11	100 MHz, 20 V, 90% efficient synchronous buck converter with integrated gate driver. , 2014, , .		41
12	Simplified Voltage-Sag Filler for Line-Interactive Uninterruptible Power Supplies. IEEE Transactions on Industrial Electronics, 2008, 55, 3005-3011.	5.2	37
13	Simple Digital Pulse Width Modulator Under 100Âps Resolution Using General-Purpose FPGAs. IEEE Transactions on Power Electronics, 2013, 28, 4466-4472.	5.4	29
14	High-frequency integrated gate drivers for half-bridge GaN power stage. , 2014, , .		24
15	A high-efficiency bidirectional buck-boost DC-DC converter. , 2012, , .		23
16	Resonant Pulse-Shaping Power Supply for Radar Transmitters. IEEE Transactions on Power Electronics, 2014, 29, 707-718.	5.4	20
17	Architecture and control of PV modules with submodule integrated converters. , 2012, , .		16
18	A Switching-Mode Power Supply Design Tool to Improve Learning in a Power Electronics Course. IEEE Transactions on Education, 2011, 54, 104-113.	2.0	14

IF # ARTICLE CITATIONS Self-Driven Synchronous Rectification System With Input Voltage Tracking for Converters With a Symmetrically Driven Transformer. IEEE Transactions on Industrial Electronics, 2009, 56, 1440-1445. Modeling and digital control of LCLC resonant inverter with varying load., 2011,,. 20 13 Efficient and Linear Amplification of Spectrally Confined Pulsed AM Radar Signals. IEEE Microwave and Wireless Components Letters, 2012, 22, 279-281. Mismatch-Error Shaping-Based Digital Multiphase Modulator. IEEE Transactions on Power 22 5.4 11 Electronics, 2012, 27, 2055-2066. Monolithic very high frequency GaN switched-mode power converters., 2015,,. 24 High frequency synchronous Buck converter using GaN-on-SiC HEMTs., 2013, , . 7 Enhancements of the multiple input buck converter used for Envelope Tracking applications by improved output filter design and multiphase operation., 2012,,. Simulation and characterization of GaN HEMT in high-frequency switched-mode power converters., 26 5 2012,,. Bristol Ridge: A 28-nm \$imes\$ 86 Performance-Enhanced Microprocessor Through System Power 3.5 Management. IEEE Journal of Solid-State Circuits, 2017, 52, 89-97. 28 Decentralized interleaving of paralleled dc-dc buck converters., 2017,,. 5 Average current-mode control of Boost converters with bidirectional power transfer capabilities., 2012,,. Resonant pulse-shaping power supply for radar transmitters., 2012,,. 30 3 RFPA supply modulator using wide-bandwidth linear amplifier with a GaN HEMT output stage., 2013, , . Using Adaptive Off-time Synchronous Rectification to improve efficiency in low output voltage 32 2 converters. , 2010, , . Mismatch-error noise-shaping based digital multiphase modulator., 2010, , . Enhancing the bandwidth of the Multiple Input Buck Converter by means of filter design., 2012,,. 34 0

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