

Tingcun Wei

List of Publications by Year in descending order

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28
papers

107
citations

1684188

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h-index

1588992

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all docs

28
docs citations

28
times ranked

114
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital V^{2} Controller IC Using Delta Operator and Improved Average Predictive Control for DC-DC Converters With Fast Transient Response. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3219-3229.	5.4	4
2	High Time-Resolution Readout Integrated Circuit Using DLL for Portable Cosmic Ray Muon Detection. IEEE Transactions on Nuclear Science, 2021, 68, 2268-2278.	2.0	1
3	Digital Current-Mode Controller Using Delta Operator and Advance Sampling Predictive Control for High-Frequency DC-DC Switching Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6272-6281.	5.4	7
4	Advanced Readout Electronics System for Portable Cosmic Ray Muon Detection. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	1
5	A Reinforcement Learning-based Online-training AI Controller for DC-DC Switching Converters. , 2021, , .		3
6	Design of a high precision delay locked loop for the readout chip of cosmic ray muon detector. , 2019, , .		0
7	A high performance discriminator designed for readout circuit chip of a cosmic ray muon detector. , 2019, , .		0
8	Design of a Readout Circuit Chip for a Cosmic Ray Muon Detector with Multi-Angular Acceptance. , 2019, , .		0
9	A Digital Controller IC for High-Frequency DC-DC Switching Converters. , 2019, , .		4
10	Alternating Resistive Impedance Matching for an Impact-Type Microwind Piezoelectric Energy Harvester. IEEE Transactions on Industrial Electronics, 2018, 65, 7374-7382.	7.9	36
11	Digital controller based on delta operator for high-frequency DC-DC switching converters. IET Power Electronics, 2018, 11, 1224-1230.	2.1	12
12	Circuit design for an impact-type piezoelectric system for micro-wind energy harvesting. , 2017, , .		4
13	Battery-free power management circuit for impact-type micro wind piezoelectric energy harvester. , 2017, , .		1
14	Design of a Touch Controller for Multi-Touch Screen System with Touch Prediction and Window Sensing (TPWS) Strategy. Journal of Display Technology, 2016, , 1-1.	1.2	0
15	A Touch Prediction and Window Sensing Strategy for Low-Power and Low-Cost Capacitive Multitouch Screen Systems. Journal of Display Technology, 2016, 12, 646-657.	1.2	6
16	A reference voltage programmable 6-bit differential delay-line ADC for digitally controlled DC-DC switching converters. , 2015, , .		1
17	Digital proportional derivative control with steady-state error elimination for DC-DC switching converter. , 2015, , .		1
18	Design of a 12-bit 1 MS/s SAR-ADC for front-end readout of 32-channel CZT detector imaging system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 786, 155-163.	1.6	12

#	ARTICLE	IF	CITATIONS
19	A new differential measurement scheme for projected-capacitive touch controller. , 2014, , .		1
20	Cycle-borrow digital valley current control of buck DC-DC converter. , 2014, , .		1
21	Design of a 10-bit 50MSPS pipeline ADC for CMOS image sensor. , 2014, , .		0
22	Advances in front-end readout ASIC design for PET imaging. , 2012, , .		1
23	A Touch Sensor Controller IC Adopting Differential Measurement for Projected Capacitive Touch Panel Systems. , 2012, , .		3
24	Digital proportional plus derivative controller for switching dc-dc converters. , 2010, , .		1
25	A low-jitter multiphase digital delay-locked loop for nuclear instruments and biomedical imaging applications. , 2010, , .		1
26	Algorithm to realize zero steady-state error for voltage controlled switching dc-dc converters. , 2010, , .		0
27	Loop model and quasi limit cycle for digitally controlled switching dc-dc converters. , 2010, , .		1
28	A 12-bit 2.5MS/s multi-channel ramp Analog-to-Digital Converter for Imaging detectors. , 2009, , .		5