

Eduardo Emilio Paolini

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

338
citations

933410

10
h-index

888047

17
g-index

40
all docs

40
docs citations

40
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-electron readout noise in a Skipper CCD fabricated on high resistivity silicon. <i>Experimental Astronomy</i> , 2012, 34, 43-64.	3.7	39
2	Charge coupled devices for detection of coherent neutrino-nucleus scattering. <i>Physical Review D</i> , 2015, 91, .	4.7	38
3	Dead-Time Distortion Shaping. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 53-63.	7.9	36
4	Frequency Analysis of PWM Inverters With Dead-Time for Arbitrary Modulating Signals. <i>IEEE Transactions on Power Electronics</i> , 2014, 29, 2850-2860.	7.9	25
5	Simple Real-Time Digital PWM Implementation for Class-D Amplifiers With Distortion-Free Baseband. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 5472-5479.	7.9	16
6	Low threshold acquisition controller for Skipper charge-coupled devices. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2021, 7, .	1.8	15
7	Nonlinear dynamics of internet congestion control: A frequency-domain approach. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 1113-1127.	3.3	14
8	AN EXPERIMENTAL APPLICATION OF THE ANTICONTROL OF HOPF BIFURCATIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001, 11, 1977-1987.	1.7	12
9	STUDY OF DEGENERATE BIFURCATIONS IN MAPS: A FEEDBACK SYSTEMS APPROACH. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 1625-1641.	1.7	11
10	Low Distortion Switching Amplifier With Discrete-Time Click Modulation. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 3511-3518.	7.9	11
11	Controlling an Inverted Pendulum with Bounded Controls. , 2002, , 3-16.		10
12	Alias-Free Digital Click Modulator. <i>IEEE Transactions on Industrial Informatics</i> , 2013, 9, 1074-1083.	11.3	10
13	Real-Time Digital PWM With Zero Baseband Distortion and Low Switching Frequency. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013, 60, 2752-2762.	5.4	10
14	Global Bifurcation Analysis of a Controlled Underactuated Mechanical System. <i>Nonlinear Dynamics</i> , 2005, 40, 205-225.	5.2	8
15	ON THE STUDY OF BIFURCATIONS IN DELAY-DIFFERENTIAL EQUATIONS: A FREQUENCY-DOMAIN APPROACH. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250137.	1.7	8
16	Digital Distortion-Free PWM and Click Modulation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018, 65, 396-400.	3.0	8
17	A low noise digital readout system for scientific charge coupled devices. , 2017, , .		7
18	Design and Evaluation of an All-Digital Programmable Delay Line in 130-nm CMOS. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Optimal Filter Design Considering Charge Transfer Characteristics for CCD Readout. , 2019, , .		5
20	A high-resolution all-digital pulse-width modulator architecture with a tunable delay element in CMOS. International Journal of Circuit Theory and Applications, 2020, 48, 1329-1345.	2.0	5
21	Table-based PWM for all-digital RF transmitters. International Journal of Circuit Theory and Applications, 2019, 47, 320-332.	2.0	4
22	All-Digital High-Resolution PWM With a Wide Duty-Cycle Range. , 2019, , .		4
23	Detailed modeling of the video signal and optimal readout of charge-coupled devices. International Journal of Circuit Theory and Applications, 2020, 48, 1001-1016.	2.0	4
24	Baseband Model for Uniformly Sampled RF-PWM. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2816-2824.	5.4	4
25	Smart Readout of Nondestructive Image Sensors with Single Photon-Electron Sensitivity. Physical Review Letters, 2021, 127, 241101.	7.8	4
26	Modelling an Inertia Wheel Pendulum Benchmark. Mathematical and Computer Modelling of Dynamical Systems, 2005, 11, 255-272.	2.2	3
27	Click modulation: an off-line implementation. , 2008, , .		3
28	Quasi-analytical spectrum of PWM signals with dead-time for multiple sinusoidal input. , 2011, , .		3
29	Mathematical model of point events in CCD images. , 2015, , .		3
30	Interleaved Readout of Charge-Coupled Devices (CCDs) for Correlated Noise Reduction. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7580-7587.	4.7	3
31	Bifurcation Control in Feedback Systems. Lecture Notes in Control and Information Sciences, 0, , 205-228.	1.0	2
32	Elimination of dead-time distortion using time-feedback. , 2017, , .		2
33	FPGA Implementation and Evaluation of a PWM-Based RF Modulator. , 2018, , .		2
34	Implementation of a High-Resolution Symmetric PWM Based on Custom CMOS Delay Lines. , 2019, , .		1
35	Functional verification for FFT cores. , 2014, , .		0
36	Mitigation of pulse-width-modulation distortion using a digital predistorter based on memory polynomials. Signal Processing, 2016, 120, 562-571.	3.7	0

#	ARTICLE	IF	CITATIONS
37	Aspects on the shape dependence with energy of point-like events in high resistivity CCDs. , 2017, , .		0
38	Symbol-Rate Baseband Signal Model for RF Pulse-Width Modulation Transmitters. IEEE Transactions on Vehicular Technology, 2021, 70, 7375-7385.	6.3	0
39	Low Power 18-Bit PWM With 41 ps Resolution in 130-nm CMOS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1597-1601.	3.0	0