

Orla Feely

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56
papers

447
citations

13
h-index

18
g-index

74
ext. papers

546
ext. citations

2.5
avg, IF

3.52
L-index

#	Paper	IF	Citations
56	NONLINEAR DYNAMICS OF A CLASS OF ANALOG-TO-DIGITAL CONVERTERS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1992 , 02, 325-340	2	39
55	A tutorial introduction to non-linear dynamics and chaos and their application to sigma-delta modulators. <i>International Journal of Circuit Theory and Applications</i> , 1997 , 25, 347-367	2	33
54	Steady-State Oscillations in Resonant Electrostatic Vibration Energy Harvesters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 875-884	3.9	24
53	Capacitive Energy Conversion With Circuits Implementing a Rectangular Charge-Voltage Cycle-Part 1: Analysis of the Electrical Domain. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 2652-2663	3.9	21
52	Limit Cycles in a MEMS Oscillator. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008 , 55, 882-886	3.5	21
51	Delta-Sigma Control of Dielectric Charge for Contactless Capacitive MEMS. <i>Journal of Microelectromechanical Systems</i> , 2014 , 23, 829-841	2.5	19
50	Dielectric Charge Control in Electrostatic MEMS Positioners/Varactors. <i>Journal of Microelectromechanical Systems</i> , 2012 , 21, 559-573	2.5	17
49	Statistical Analysis of First-Order Bang-Bang Phase-Locked Loops Using Sign-Dependent Random-Walk Theory. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2010 , 57, 2367-2380	3.9	17
48	Nonlinear dynamics of discrete-time circuits: A survey. <i>International Journal of Circuit Theory and Applications</i> , 2007 , 35, 515-531	2	17
47	Design-Oriented Analysis of Quantization-Induced Limit Cycles in a Multiple-Sampled Digitally Controlled Buck Converter. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 1192-1205	3.9	15
46	Control of MEMS Vibration Modes With Pulsed Digital Oscillators: Part I: Theory. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2010 , 57, 1865-1878	3.9	14
45	. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2010 , 57, 941-945	3.5	13
44	Modelling the dynamics of log-domain circuits. <i>International Journal of Circuit Theory and Applications</i> , 2007 , 35, 33-70	2	13
43	Capacitive Energy Conversion With Circuits Implementing a Rectangular Charge-Voltage Cycle Part 2: Electromechanical and Nonlinear Analysis. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 2664-2673	3.9	12
42	NONLINEAR DYNAMICS OF BANDPASS SIGMA-DELTA MODULATION [AN INVESTIGATION BY MEANS OF THE CRITICAL LINES TOOL]. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000 , 10, 307-323	2	10
41	Real-time characterization of dielectric charging in contactless capacitive MEMS. <i>Analog Integrated Circuits and Signal Processing</i> , 2015 , 82, 559-569	1.2	9
40	Dynamics of charge-pump phase-locked loops. <i>International Journal of Circuit Theory and Applications</i> , 2013 , 41, 1109-1135	2	9

39	Pulsed Digital Oscillators for Electrostatic MEMS. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2012 , 59, 2835-2845	3.9	8
38	Control of MEMS Vibration Modes With Pulsed Digital Oscillators Part II: Simulation and Experimental Results. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2010 , 57, 1879-1890	3.9	8
37	Lowpass sigma-delta modulation: an analysis by means of the critical lines tool. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001 , 47, 5343-5355	1.3	8
36	Control of limit cycle oscillations in a multiple-sampled digitally controlled buck converter. <i>International Journal of Circuit Theory and Applications</i> , 2015 , 43, 691-708	2	7
35	Electrostatic Vibration Energy Harvesters with Linear and Nonlinear Resonators. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1430030	2	7
34	A KICKED OSCILLATOR AS A MODEL OF A PULSED MEMS SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009 , 19, 187-202	2	6
33	Investigation of First-Order Digital Bang-Bang Phase-Locked Loops with Reference Clock Jitter 2008 ,		6
32	Generation of a Clocking Signal in Synchronized All-Digital PLL Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 809-813	3.5	5
31	. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2011 , 58, 331-335	3.5	5
30	Multilevel and non-ideal quantization in $\Sigma\Delta$ modulation. <i>International Journal of Circuit Theory and Applications</i> , 1993 , 21, 61-83	2	5
29	Bifurcations and chaos in electrostatic vibration energy harvesters 2012 ,		4
28	Tools for Analytical and Numerical Analysis of Electrostatic Vibration Energy Harvesters: Application to a Continuous Mode Conditioning Circuit. <i>Journal of Physics: Conference Series</i> , 2013 , 476, 012076	0.3	4
27	2011 ,		4
26	Analysis of limit cycles in a PI digitally controlled buck converter 2012 ,		4
25	Combined effect of loop delay and reference clock jitter in first-order digital bang-bang phase-locked loops 2009 ,		4
24	Limit cycle behavior in a class-AB second-order square root domain filter 2008 ,		4
23	Limit cycles in Digital Bang-Bang PLLs 2007 ,		4
22	DYNAMICS OF PHASE-LOCKED LOOP WITH FM INPUT AND LOW MODULATING FREQUENCY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 1633-1642	2	4

21	Combined mechanical and circuit nonlinearities in electrostatic vibration energy harvesters 2013 ,		3
20	Modelling of a charge control method for capacitive MEMS 2013 ,		3
19	Design and test of resonators using PiezoMUMPS technology 2014 ,		3
18	A wideband 2-DOF resonator for electromagnetic energy harvesting systems 2014 ,		3
17	Dynamics of the MEMS pulsed digital oscillator with multiple delays in the feedback loop 2009 ,		3
16	Discontinuous piecewise-linear discrete-time dynamics [maps with gaps in electronic systems. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2011 , 30, 1296-1306	0.7	3
15	§SigmaDelta§ Effects and Charge Locking in Capacitive MEMS Under Dielectric Charge Control. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 206-210	3.5	2
14	Memristor circuit investigation through a new tutorial toolbox 2013 ,		2
13	Modelling and analysis of vibration energy harvesters with charge pump conditioning circuits 2014 ,		2
12	Limit cycle behavior in a class-AB second-order square root domain filter. <i>Analog Integrated Circuits and Signal Processing</i> , 2011 , 68, 175-181	1.2	2
11	A BIBO stability theorem for a two-dimensional feedback discrete system with discontinuities. <i>Journal of the Franklin Institute</i> , 1998 , 335, 533-537	4	2
10	Nonlinear dynamics and chaos in Sigma-Delta modulation. <i>Journal of the Franklin Institute</i> , 1994 , 331, 903-936	4	2
9	Discrete-time modelling and experimental validation of an All-Digital PLL for clock-generating networks 2016 ,		1
8	Sliding in a piecewise-smooth dynamical system with a hold-on effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 3085-3092	2.3	1
7	Understanding complexity in multiphysics systems-on-a-chip: Modern approaches for design 2015 ,		1
6	Sigma - Delta inspired control technique for the improvement of MEMS reliability 2014 ,		1
5	On the Chaotic Behavior of a Third-Order Log-Domain Filter. <i>Nonlinear Dynamics</i> , 2006 , 44, 45-54	5	0
4	Analysis and Modelling of Nonlinearities in Vibration Energy Harvesters 2016 , 279-320		

3 CHUA'S LAGRANGIAN CIRCUIT ELEMENTS **2013**, 36-40

2 MODE-LOCKING IN QUASIPERIODICALLY FORCED SYSTEMS WITH VERY SMALL DRIVING FREQUENCY. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2004**, 14, 1643-1654 2

1 Period Doubling Bifurcations in a Multiple-Sampled Digitally Controlled Buck Converter. *IEICE Proceeding Series*, **2014**, 1, 703-706