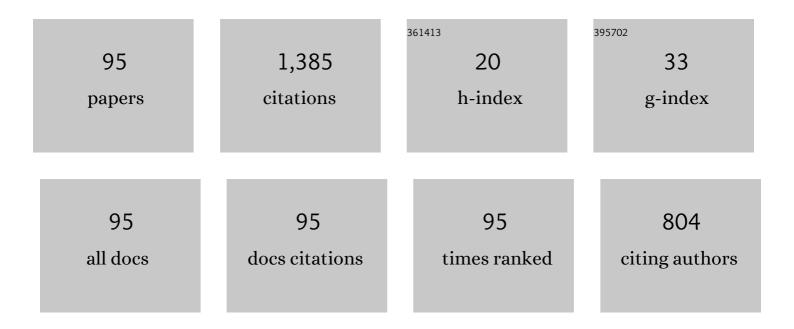
List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6184790/publications.pdf Version: 2024-02-01



DALLI MOAFO

#	Article	IF	CITATIONS
1	Metallic Iron Filters for Universal Access to Safe Drinking Water. Clean - Soil, Air, Water, 2009, 37, 930-937.	1.1	85
2	Chaotic synchronization with experimental application to secure communications. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2266-2276.	3.3	78
3	Three-Dimensional Chaotic Autonomous System with a Circular Equilibrium: Analysis, Circuit Implementation and Its Fractional-Order Form. Circuits, Systems, and Signal Processing, 2016, 35, 1933-1948.	2.0	75
4	Bursting oscillations in electromechanical systems. Mechanics Research Communications, 2011, 38, 537-541.	1.8	72
5	Hartley's oscillator: The simplest chaotic two-component circuit. Chaos, Solitons and Fractals, 2012, 45, 306-313.	5.1	59
6	A chaotic system with an infinite number of equilibrium points located on a line and on a hyperbola and its fractional-order form. Chaos, Solitons and Fractals, 2017, 99, 209-218.	5.1	56
7	Dissipative chaos, Shilnikov chaos and bursting oscillations in a three-dimensional autonomous system: theory and electronic implementation. Nonlinear Dynamics, 2013, 73, 1111-1123.	5.2	55
8	Dynamics, chaos and synchronization of self-sustained electromechanical systems with clamped-free flexible arm. Nonlinear Dynamics, 2008, 53, 201-213.	5.2	47
9	Mixed-mode oscillations in slow-fast delayed optoelectronic systems. Physical Review E, 2015, 91, 012902.	2.1	47
10	Extending Service Life of Household Water Filters by Mixing Metallic Iron with Sand. Clean - Soil, Air, Water, 2010, 38, 951-959.	1.1	45
11	Active control with delay of vibration and chaos in a double-well Duffing oscillator. Chaos, Solitons and Fractals, 2003, 18, 345-353.	5.1	41
12	Chaos in a new bistable rotating electromechanical system. Chaos, Solitons and Fractals, 2016, 93, 48-57.	5.1	33
13	Dynamics of coupled simplest chaotic two-component electronic circuits and its potential application to random bit generation. Chaos, 2013, 23, 043122.	2.5	32
14	Analysis of Phase-Locking in Narrow-Band Optoelectronic Oscillators With Intermediate Frequency. IEEE Journal of Quantum Electronics, 2015, 51, 1-8.	1.9	28
15	Experimental observation of bursting patterns in Van der Pol oscillators. Chaos, Solitons and Fractals, 2017, 94, 95-101.	5.1	28
16	Analysis of a No Equilibrium Linear Resistive-Capacitive-Inductance Shunted Junction Model, Dynamics, Synchronization, and Application to Digital Cryptography in Its Fractional-Order Form. Complexity, 2017, 2017, 1-12.	1.6	26
17	Constructing and analyzing of a unique three-dimensional chaotic autonomous system exhibiting three families of hidden attractors. Mathematics and Computers in Simulation, 2017, 132, 172-182.	4.4	25
18	Theoretical and experimental study of slow-scale Hopf limit-cycles in laser-based wideband optoelectronic oscillators. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2310.	2.1	22

#	Article	IF	CITATIONS
19	The Simplest Laser-Based Optoelectronic Oscillator: An Experimental and Theoretical Study. Journal of Lightwave Technology, 2016, 34, 873-878.	4.6	22
20	Effects of springs on a pendulum electromechanical energy harvester. Theoretical and Applied Mechanics Letters, 2014, 4, 063001.	2.8	20
21	Analysis of an electromechanical energy harvester system with geometric and ferroresonant nonlinearities. Nonlinear Dynamics, 2014, 76, 1561-1568.	5.2	20
22	Subharmonic and bursting oscillations of a ferromagnetic mass fixed on a spring and subjected to an AC electromagnet. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 3082-3091.	3.3	19
23	Semiconductor lasers driven by self-sustained chaotic electronic oscillators and applications to optical chaos cryptography. Chaos, 2012, 22, 033108.	2.5	18
24	Breather and Pulse-Package Dynamics in Multinonlinear Electrooptical Systems With Delayed Feedback. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	18
25	Dynamics of three unidirectionally coupled autonomous Duffing oscillators and application to inchworm piezoelectric motors: Effects of the coupling coefficient and delay. Chaos, 2016, 26, 113108.	2.5	17
26	Dynamics of Optoelectronic Oscillators With Electronic and Laser Nonlinearities. IEEE Journal of Quantum Electronics, 2018, 54, 1-7.	1.9	16
27	Dynamics, Circuitry Implementation and Control of an Autonomous Helmholtz Jerk Oscillator. Journal of Control, Automation and Electrical Systems, 2019, 30, 501-511.	2.0	16
28	Bursting generation mechanism in a three-dimensional autonomous system, chaos control, and synchronization in its fractional-order form. Nonlinear Dynamics, 2014, 76, 1169-1183.	5.2	15
29	Suppression of the noise-induced effects in an electrostatic micro-plate using an adaptive back-stepping sliding mode control. ISA Transactions, 2018, 72, 100-109.	5.7	15
30	Electrical dark compacton generator: Theory and simulations. Physical Review E, 2012, 85, 056606.	2.1	14
31	Bursting oscillations in Colpitts oscillator and application in optoelectronics for the generation of complex optical signals. Optical and Quantum Electronics, 2020, 52, 1.	3.3	14
32	A hybrid numerical method and its application to inviscid compressible flow problems. Computer Physics Communications, 2014, 185, 479-488.	7.5	13
33	Bifurcation structures in three unidirectionally coupled electromechanical systems with no external signal and with regenerative process. Nonlinear Dynamics, 2016, 84, 1961-1972.	5.2	13
34	Coherence and stochastic resonance in a birhythmic van der Pol system. European Physical Journal B, 2017, 90, 1.	1.5	13
35	Disturbance and repair of solitary waves in blood vessels with aneurysm. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 51-60.	3.3	12
36	A novel high-frequency interpretation of a general purpose Op-Amp-based negative resistance for chaotic vibrations in a simple a priori nonchaotic circuit. JVC/Journal of Vibration and Control, 2017, 23, 744-751.	2.6	12

#	Article	IF	CITATIONS
37	Robustness of continuous-variable entanglement via geometrical nonlinearity. Physical Review A, 2014, 90, .	2.5	11
38	Transmission of light through an optical filter of a one-dimensional photonic crystal: application to the solar thermophotovoltaic system. Physica B: Condensed Matter, 2017, 516, 92-99.	2.7	11
39	Quasi-static transient and mixed mode oscillations induced by fractional derivatives effect on the slow flow near folded singularity. Nonlinear Dynamics, 2014, 78, 2717-2729.	5.2	10
40	Dynamics of Wideband Time-Delayed Optoelectronic Oscillators With Nonlinear Filters. IEEE Journal of Quantum Electronics, 2019, 55, 1-6.	1.9	10
41	Theoretical investigation of a semiconductor ring laser driven by Chua's oscillator. Journal of Modern Optics, 2013, 60, 869-879.	1.3	9
42	Modulation of distributed feedback (DFB) laser diode with the autonomous Chua's circuit: Theory and experiment. Optics and Laser Technology, 2018, 100, 145-152.	4.6	9
43	Dynamics of a cantilever arm actuated by a nonlinear electrical circuit. Nonlinear Dynamics, 2011, 63, 807-818.	5.2	8
44	Quantum Associative Memory with Improved Distributed Queries. International Journal of Theoretical Physics, 2013, 52, 1787-1801.	1.2	8
45	Power grid enhanced resilience using proportional and derivative control with delayed feedback. European Physical Journal B, 2017, 90, 1.	1.5	8
46	A normal form method for the determination of oscillations characteristics near the primary Hopf bifurcation in bandpass optoelectronic oscillators: Theory and experiment. Chaos, 2019, 29, 033104.	2.5	8
47	Routes to chaos and characterization of limit-cycle oscillations in wideband time-delayed optoelectronic oscillators with nonlinear filters. Journal of the Optical Society of America B: Optical Physics, 2020, 37, A75.	2.1	8
48	The complete synchronization condition in a network ofÂpiezoelectric micro-beams. Nonlinear Dynamics, 2009, 57, 261-274.	5.2	7
49	Classical and semiclassical studies of nonlinear nano-optomechanical oscillators. European Physical Journal D, 2013, 67, 1.	1.3	7
50	Experimental Assessment of a Smart Sun Tracking System Consumption for the Improvement of a Crystalline Silicon Photovoltaic Module Performance under Variable Weather Conditions. Applied Solar Energy (English Translation of Geliotekhnika), 2019, 55, 385-396.	1.6	7
51	Design, Experimental Implementation and Performance Comparison of Two Solar Tracking Approaches. Applied Solar Energy (English Translation of Geliotekhnika), 2021, 57, 44-58.	1.6	7
52	Dynamics of Solitary Waves Through Taper-Thin Elastic Tube with Localized Deformation. Physica Scripta, 2004, 69, 249-256.	2.5	6
53	Synchronization of simplest two-component Hartley's chaotic circuits: influence of channel. Nonlinear Dynamics, 2013, 74, 1065-1075.	5.2	6
54	Study of a piezoelectric plate based self-sustained electric and electromechanical oscillator. Mechanics Research Communications, 2020, 105, 103504.	1.8	6

#	Article	IF	CITATIONS
55	Dynamics of Time-Delayed Optoelectronic Oscillators With Nonlinear Amplifiers and Its Potential Application to Random Numbers Generation. IEEE Journal of Quantum Electronics, 2021, 57, 1-7.	1.9	6
56	Diverse chimera and symmetry-breaking patterns induced by fractional derivation effect in a network of Stuart-Landau oscillators. Chaos, Solitons and Fractals, 2022, 157, 111945.	5.1	6
57	An extension of AUFSR scheme for the ideal magnetohydrodynamics equations. Computers and Fluids, 2015, 114, 297-313.	2.5	5
58	Edge-emitting semiconductor laser subject to nonsinusoidal excitation from three-dimensional autonomous system: numerical and electronic models analysis. Optical and Quantum Electronics, 2015, 47, 3405-3417.	3.3	5
59	DYNAMICS OF THE TRANSITION TO PATHOGENICITY IN <i>ERWINIA CHRYSANTHEMI</i> . Journal of Biological Systems, 2010, 18, 173-203.	1.4	4
60	Exact solutions for a system of two coupled discrete nonlinear Schrödinger equations with a saturable nonlinearity. Applied Mathematics and Computation, 2013, 219, 5956-5962.	2.2	4
61	Effects of asymmetry, transmission delay and noises on the stability of an elementary electricity network. European Physical Journal B, 2015, 88, 1.	1.5	4
62	Analysis of an electrostatic energy harvester with variable area, permittivity and radius. European Physical Journal B, 2016, 89, 1.	1.5	4
63	Signal bi-amplification in networks of unidirectionally coupled MEMS. European Physical Journal B, 2016, 89, 1.	1.5	4
64	An Electromechanical Pendulum Robot Arm in Action: Dynamics and Control. Shock and Vibration, 2017, 2017, 1-13.	0.6	4
65	Nonlinear analysis of electrostatic micro-electro-mechanical systems resonators subject to delayed proportional–derivative controller. JVC/Journal of Vibration and Control, 2021, 27, 220-233.	2.6	4
66	Experimental direct modulation of a laser diode with a van der Pol circuit and applications. Optical Engineering, 2019, 58, 1.	1.0	4
67	Electronic simulation and microcontroller real implementation of an autonomous chaotic and hyperchaotic system made of a Colpitts-Josephson junction like circuit. Analog Integrated Circuits and Signal Processing, 2022, 110, 395-407.	1.4	4
68	Dynamics of optoelectronic oscillators with band-pass filter and laser nonlinearities: theory and experiment. Optical and Quantum Electronics, 2022, 54, 1.	3.3	4
69	A mathematical model for wave propagation in elastic tubes with inhomogeneities: Application to blood waves propagation. Physica D: Nonlinear Phenomena, 2007, 236, 131-140.	2.8	3
70	Noise induced intercellular propagation of calcium waves. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 2519-2525.	2.6	3
71	Electronic model for VCSELs: Switching mode, control of threshold current and saturation. Optics Communications, 2009, 282, 4390-4396.	2.1	3
72	Experimental Synchronization of Two Van der Pol Oscillators with Nonlinear and Delayed Unidirectional Coupling. International Journal of Nonlinear Sciences and Numerical Simulation, 2017, 18. 515-523.	1.0	3

PAUL WOAFO

#	Article	IF	CITATIONS
73	An inverted pendulum with multibranching view as self-controlled system: Modelling and vibration absorber capacity. JVC/Journal of Vibration and Control, 2020, 26, 1848-1858.	2.6	3
74	Dynamics of solitary waves over an erodible surface. Physica A: Statistical Mechanics and Its Applications, 2005, 345, 9-16.	2.6	2
75	The design of a reflectionless arterial prosthesis. Journal of Biological Physics, 2011, 37, 51-60.	1.5	2
76	Rogue waves in Lugiato-Lefever equation with variable coefficients. Open Physics, 2014, 12, .	1.7	2
77	Role of disorder on the signal amplification in an array of unidirectionally coupled MEMS. European Physical Journal B, 2019, 92, 1.	1.5	2
78	Long-range interaction effects on coupled excitable nodes: traveling waves and chimera state. Heliyon, 2021, 7, e07026.	3.2	2
79	Signal transmission in a chain of unidirectionally coupled self-sustained Van der Pol oscillators: effect of additional nonlinearities and noisy chain units. European Physical Journal Plus, 2022, 137, 1.	2.6	2
80	Numerical Simulation of Topological Solitons Dynamics in Coupled Sine-Gordon Chains and Interaction with Localized Impurities. Journal of the Physical Society of Japan, 1998, 67, 3734-3741.	1.6	1
81	Waves Amplification in Discrete Nonlinear Electrical Lines: Direct Numerical Simulation. Journal of the Physical Society of Japan, 2008, 77, 124006.	1.6	1
82	Variability and trends of local/regional scale surface climate in northern Africa during the twentieth century. Theoretical and Applied Climatology, 2014, 117, 625-641.	2.8	1
83	Response of a resonant tunnelling diode optoelectronic oscillator coupled to a nonâ€linear electrical circuit. IET Optoelectronics, 2016, 10, 205-210.	3.3	1
84	Behavior of a new electronic circuit mimicking the edge-emitting semiconductor laser. Optik, 2016, 127, 3430-3434.	2.9	1
85	Voltages responses and synchronization of an array of Grudzinski and Zebrowski oscillators coupled to an electrical load. Chaos, Solitons and Fractals, 2021, 146, 110848.	5.1	1
86	Microcontroller-based simulation of a nonlinear resistive-capacitive-inductance shunted Josephson junction model and applications in electromechanical engineering. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, .	1.0	1
87	Dynamics of Vertical-Cavity Surface-Emitting lasers under AM and FM current modulations. Physica Scripta, 0, , .	2.5	1
88	Energy Harvesting from a Micro-System with Circular Bistable Potential Due to Magnets. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	1
89	Power emitted by an array of ultra high frequency current modulated semiconductor lasers with global coupling. Optics Communications, 2008, 281, 5377-5381.	2.1	0
90	Analytical, Numerical and Experimental Analysis of an RC Autonomous Circuit With Diodes in		0

Antiparallel. , 2019, , 23-39.

#	Article	IF	CITATIONS
91	Negative and Complex Reluctance in Injective Profile Section. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	Ο
92	Study of the effect of the offset phase in time-delay electro-optical systems. Chaos, 2020, 30, 093130.	2.5	0
93	NUMERICAL SIMULATION OF AN ELECTRODYNAMIC TRANSDUCER CONTROL OF INSULIN PROVISION IN THE BERGMAN'S AND THE CHENG'S MODELS FOR THE DYNAMICS OF THE COUPLE GLUCOSE-INSULIN IN DIABETICS. Journal of Mechanics in Medicine and Biology, 2020, 20, 2050055.	0.7	Ο
94	Adaptive controllers for a piezoelectric actuator without and with discontinuity. International Journal of Mechatronics and Automation, 2017, 6, 29.	0.2	0
95	Secondary frequency control stabilising voltage dynamics. European Journal of Applied Mathematics, 0, , 1-17.	2.9	0