

# Rider Jaimes-Reategui

## List of Publications by Year in descending order

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58  
papers

1,218  
citations

430874

18  
h-index

395702

33  
g-index

59  
all docs

59  
docs citations

59  
times ranked

822  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rogue Waves in a Multistable System. Physical Review Letters, 2011, 107, 274101.	7.8	196
2	Explosive First-Order Transition to Synchrony in Networked Chaotic Oscillators. Physical Review Letters, 2012, 108, 168702.	7.8	154
3	Synchronization of Chaotic Systems with Coexisting Attractors. Physical Review Letters, 2006, 96, 244102.	7.8	89
4	Critical slowing down and noise-induced intermittency in bistable perception: bifurcation analysis. Biological Cybernetics, 2014, 108, 397-404.	1.3	74
5	Dynamics of an erbium-doped fiber laser with pump modulation: theory and experiment. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2107.	2.1	69
6	Multistate intermittency and extreme pulses in a fiber laser. Physical Review E, 2012, 86, 056219.	2.1	39
7	Synchronization of coupled bistable chaotic systems: experimental study. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 459-473.	3.4	38
8	Secure chaotic communication based on extreme multistability. Journal of the Franklin Institute, 2021, 358, 2561-2575.	3.4	37
9	Asymmetry in electrical coupling between neurons alters multistable firing behavior. Chaos, 2018, 28, 033605.	2.5	33
10	Generalized synchronization in relay systems with instantaneous coupling. Physical Review E, 2013, 88, 052908.	2.1	31
11	Novel communication scheme based on chaotic Rössler circuits. Journal of Physics: Conference Series, 2005, 23, 276-284.	0.4	30
12	Deterministic coherence resonance in coupled chaotic oscillators with frequency mismatch. Physical Review E, 2015, 92, 050901.	2.1	28
13	Control of basins of attraction in a multistable fiber laser. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 374, 228-234.	2.1	26
14	Homoclinic orbits in a piecewise linear Rössler-like circuit. Journal of Physics: Conference Series, 2005, 23, 122-127.	0.4	25
15	SYNCHRONIZATION OF MULTISTABLE SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1801-1819.	1.7	23
16	Multistability Emergence through Fractional-Order-Derivatives in a PWL Multi-Scroll System. Electronics (Switzerland), 2020, 9, 880.	3.1	20
17	A physical interpretation of fractional-order-derivatives in a jerk system: Electronic approach. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105413.	3.3	20
18	Optical fiber synaptic sensor. Optics and Lasers in Engineering, 2011, 49, 736-742.	3.8	18

#	ARTICLE	IF	CITATIONS
19	Experimental evidence of deterministic coherence resonance in coupled chaotic systems with frequency mismatch. <i>Physical Review E</i> , 2016, 94, 012218.	2.1	18
20	Experimental approach to the study of complex network synchronization using a single oscillator. <i>Physical Review E</i> , 2009, 79, 055202.	2.1	17
21	Selective monostability in multi-stable systems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20150005.	2.1	17
22	Experimental Implementation of a Biometric Laser Synaptic Sensor. <i>Sensors</i> , 2013, 13, 17322-17331.	3.8	16
23	Intermittent lag synchronization in a nonautonomous system of coupled oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 338, 141-149.	2.1	15
24	Separation of coexisting dynamical regimes in multistate intermittency based on wavelet spectrum energies in an erbium-doped fiber laser. <i>Physical Review E</i> , 2016, 93, 052218.	2.1	13
25	Error-feedback control of multistability. <i>Journal of the Franklin Institute</i> , 2017, 354, 7346-7358.	3.4	12
26	Family of Bistable Attractors Contained in an Unstable Dissipative Switching System Associated to a SNLF. <i>Complexity</i> , 2018, 2018, 1-9.	1.6	12
27	Secure Computer Communication Based on Chaotic Rossler Oscillators. <i>Open Electrical and Electronic Engineering Journal</i> , 2008, 2, 41-44.	0.6	12
28	Optoelectronic flexible logic gate based on a fiber laser. <i>European Physical Journal: Special Topics</i> , 2014, 223, 2837-2846.	2.6	10
29	Parametric control for multiscroll generation: Electronic implementation and equilibrium analysis. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020, 38, 100929.	3.5	10
30	Dynamics of a ring of three unidirectionally coupled Duffing oscillators with time-dependent damping. <i>Europhysics Letters</i> , 2021, 134, 30005.	2.0	10
31	Multistability route in a PWL multi-scroll system through fractional-order derivatives. <i>Chaos, Solitons and Fractals</i> , 2022, 161, 112355.	5.1	10
32	Image Encryption Based on Logistic Chaotic Map for Secure Communications. , 2010, , .		9
33	Two-channel opto-electronic chaotic communication system. <i>Journal of the Franklin Institute</i> , 2012, 349, 3194-3202.	3.4	9
34	Secure optoelectronic communication using laser diode driving by chaotic Rössler oscillators. <i>Journal of Physics: Conference Series</i> , 2011, 274, 012024.	0.4	8
35	Generation of giant periodic pulses in the array of erbium-doped fiber lasers by controlling multistability. <i>Optics Communications</i> , 2020, 477, 126355.	2.1	7
36	Deterministic coherence and anti-coherence resonances in networks of chaotic oscillators with frequency mismatch. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111424.	5.1	6

#	ARTICLE	IF	CITATIONS
37	Secure Communication Based on Chaotic Cipher and Chaos Synchronization. Discontinuity, Nonlinearity, and Complexity, 2012, 1, 57-68.	0.2	6
38	Synchronization Attack to Chaotic Communication Systems. Discontinuity, Nonlinearity, and Complexity, 2013, 2, 333-343.	0.2	6
39	How to Resist Synchronization Attacks. Discontinuity, Nonlinearity, and Complexity, 2015, 4, 1-9.	0.2	6
40	Chaos in Neural Oscillators Induced by Unidirectional Electrical Coupling. Mathematical Modelling of Natural Phenomena, 2017, 12, 43-52.	2.4	5
41	Effects of multiplicative noise on the Duffing oscillator with variable coefficients and its integral of motion. International Journal of Modern Physics C, 2020, 31, 2050095.	1.7	5
42	Deterministic coherence resonance analysis of coupled chaotic oscillators: fractional approach. Chaos, Solitons and Fractals, 2022, 157, 111919.	5.1	4
43	Synchronization of unidirectionally delay-coupled chaotic oscillators with memory. European Physical Journal: Special Topics, 2016, 225, 2707-2715.	2.6	3
44	The noisy Pais-Uhlenbeck oscillator. Journal of Mathematical Chemistry, 2019, 57, 1314-1329.	1.5	3
45	Interpretation and Dynamics of the Lotka-Volterra Model in the Description of a Three-Level Laser. Photonics, 2022, 9, 16.	2.0	3
46	Multistability and noise-induced transitions in the model of bidirectionally coupled neurons with electrical synaptic plasticity. European Physical Journal: Special Topics, 2022, 231, 255-265.	2.6	3
47	Experimental study of self-oscillation frequency in a semiconductor laser with optical injection. Journal of Physics: Conference Series, 2005, 23, 62-67.	0.4	2
48	Image Encryption Based on Jacobi Function. , 2013, , .		2
49	Numerical study of laser synapse connecting Hindmarsh-Rose neurons. European Physical Journal: Special Topics, 2022, 231, 341-350.	2.6	2
50	Experimental demonstration of audio secure communication with Rossler chaotic circuits. , 2006, , .		1
51	Synchronization of infrared and green components in a loss-modulated dual-cavity Nd:YAC laser with second harmonic generation. European Physical Journal: Special Topics, 2014, 223, 2799-2806.	2.6	1
52	Experimental and Numerical Study of an Optoelectronics Flexible Logic Gate Using a Chaotic Doped Fiber Laser. , 2018, , .		1
53	Optoelectronic flexible logic-gate using a chaotic erbium doped fiber laser, experimental results. , 2014, , .		1
54	An adaptive algorithm for restoring image corrupted by mixed noise. Cybernetics and Physics, 2019, , 114-120.	0.3	1

#	ARTICLE	IF	CITATIONS
55	Synchronization of Two Fiber Lasers with Optical Logarithmic Coupler: Experimental Implementation. , 2022, , 3-21.		1
56	Study of temperature effect in $\beta$ -carotene of carrot by Raman spectroscopy. , 2006, 6046, 208.		0
57	Control of attractor preference by low-pass filtered noise in a multistable fiber laser*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 232-236.	0.4	0
58	Bogdanov Map for Modelling a Phase-Conjugated Ring Resonator. Entropy, 2019, 21, 384.	2.2	0