

Ricardo Sevilla-Escoboza

List of Publications by Year in descending order

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42
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1,160
citations

516215

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43
all docs

43
docs citations

43
times ranked

935
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental datasets of networks of nonlinear oscillators: Structure and dynamics during the path to synchronization. <i>Data in Brief</i> , 2020, 28, 105012.	0.5	9
2	Complex networks exhibit intermittent synchronization. <i>Chaos</i> , 2020, 30, 103119.	1.0	1
3	Spatial and Temporal Entropies in the Spanish Football League: A Network Science Perspective. <i>Entropy</i> , 2020, 22, 172.	1.1	19
4	Ordinal synchronization: Using ordinal patterns to capture interdependencies between time series. <i>Chaos, Solitons and Fractals</i> , 2019, 119, 8-18.	2.5	19
5	Design and implementation of a jerk circuit using a hybrid analog-digital system. <i>Chaos, Solitons and Fractals</i> , 2019, 119, 255-262.	2.5	13
6	Dynamics of a Q-switched Nd:YVO4/Cr:YAG laser under periodic modulation. <i>Results in Physics</i> , 2019, 12, 908-913.	2.0	6
7	Discrete-time neural synchronization between an Arduino microcontroller and a Compact Development System using multiscroll chaotic signals. <i>Chaos, Solitons and Fractals</i> , 2019, 119, 269-275.	2.5	20
8	Dynamical complexity as a proxy for the network degree distribution. <i>Physical Review E</i> , 2019, 99, 012310.	0.8	11
9	Solvent effect in extra-cavity pulses by thermo-cavitation in natural dyes. , 2019, , .		3
10	Experimental and Numerical Study of an Optoelectronics Flexible Logic Gate Using a Chaotic Doped Fiber Laser. , 2018, , .		1
11	Relay synchronization in multiplex networks. <i>Scientific Reports</i> , 2018, 8, 8629.	1.6	56
12	Enhancing the Edge Detection by Gradient-Plus-Canny Filters. , 2018, , .		1
13	Analysis of extra-cavity pulses by thermo-cavitation in natural dyes. , 2018, , .		0
14	Optimal phase synchronization in networks of phase-coherent chaotic oscillators. <i>Chaos</i> , 2017, 27, 013111.	1.0	16
15	Error-feedback control of multistability. <i>Journal of the Franklin Institute</i> , 2017, 354, 7346-7358.	1.9	12
16	Inter-layer synchronization in non-identical multi-layer networks. <i>Scientific Reports</i> , 2017, 7, 45475.	1.6	96
17	Synchronization of unidirectionally delay-coupled chaotic oscillators with memory. <i>European Physical Journal: Special Topics</i> , 2016, 225, 2707-2715.	1.2	3
18	Inter-layer synchronization in multiplex networks of identical layers. <i>Chaos</i> , 2016, 26, 065304.	1.0	79

#	ARTICLE	IF	CITATIONS
19	Synchronization of networks of chaotic oscillators: Structural and dynamical datasets. Data in Brief, 2016, 7, 1185-1189.	0.5	15
20	Interconnecting Networks: The Role of Connector Links. Understanding Complex Systems, 2016, , 61-77.	0.3	5
21	Experimental implementation of maximally synchronizable networks. Physica A: Statistical Mechanics and Its Applications, 2016, 448, 113-121.	1.2	5
22	Enhancing the stability of the synchronization of multivariable coupled oscillators. Physical Review E, 2015, 92, 032804.	0.8	20
23	Inferring the connectivity of coupled oscillators from time-series statistical similarity analysis. Scientific Reports, 2015, 5, 10829.	1.6	54
24	Selective monostability in multi-stable systems. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150005.	1.0	17
25	Synchronization of intermittent behavior in ensembles of multistable dynamical systems. Physical Review E, 2015, 91, 032902.	0.8	27
26	Coherence enhanced intermittency in an optically injected semiconductor laser. Optics Express, 2015, 23, 10428.	1.7	8
27	Optoelectronic flexible logic gate based on a fiber laser. European Physical Journal: Special Topics, 2014, 223, 2837-2846.	1.2	10
28	Synchronization of infrared and green components in a loss-modulated dual-cavity Nd:YAG laser with second harmonic generation. European Physical Journal: Special Topics, 2014, 223, 2799-2806.	1.2	1
29	Synchronization of Interconnected Networks: The Role of Connector Nodes. Physical Review Letters, 2014, 112, 248701.	2.9	135
30	Optoelectronic flexible logic-gate using a chaotic erbium doped fiber laser, experimental results. , 2014, , .		1
31	Experimental Implementation of a Biometric Laser Synaptic Sensor. Sensors, 2013, 13, 17322-17331.	2.1	16
32	Generalized synchronization in relay systems with instantaneous coupling. Physical Review E, 2013, 88, 052908.	0.8	31
33	Knowledge Discovery in Spectral Data by Means of Complex Networks. Metabolites, 2013, 3, 155-167.	1.3	8
34	Explosive First-Order Transition to Synchrony in Networked Chaotic Oscillators. Physical Review Letters, 2012, 108, 168702.	2.9	154
35	Multistate intermittency and extreme pulses in a fiber laser. Physical Review E, 2012, 86, 056219.	0.8	39
36	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

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37	Two-channel opto-electronic chaotic communication system. Journal of the Franklin Institute, 2012, 349, 3194-3202.	1.9	9
38	Rogue Waves in a Multistable System. Physical Review Letters, 2011, 107, 274101.	2.9	196
39	Secure optoelectronic communication using laser diode driving by chaotic Rössler oscillators. Journal of Physics: Conference Series, 2011, 274, 012024.	0.3	8
40	Optical fiber synaptic sensor. Optics and Lasers in Engineering, 2011, 49, 736-742.	2.0	18
41	Optical synapse. , 2011, , .		0
42	Experimental approach to the study of complex network synchronization using a single oscillator. Physical Review E, 2009, 79, 055202.	0.8	17