

Ricardo Sevilla-Escoboza

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,160
citations

516561

16
h-index

377752

34
g-index

43
all docs

43
docs citations

43
times ranked

935
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Rogue Waves in a Multistable System. <i>Physical Review Letters</i> , 2011, 107, 274101. | 2.9 | 196 |
| 2 | Explosive First-Order Transition to Synchrony in Networked Chaotic Oscillators. <i>Physical Review Letters</i> , 2012, 108, 168702. | 2.9 | 154 |
| 3 | Synchronization of Interconnected Networks: The Role of Connector Nodes. <i>Physical Review Letters</i> , 2014, 112, 248701. | 2.9 | 135 |
| 4 | Inter-layer synchronization in non-identical multi-layer networks. <i>Scientific Reports</i> , 2017, 7, 45475. | 1.6 | 96 |
| 5 | Inter-layer synchronization in multiplex networks of identical layers. <i>Chaos</i> , 2016, 26, 065304. | 1.0 | 79 |
| 6 | Relay synchronization in multiplex networks. <i>Scientific Reports</i> , 2018, 8, 8629. | 1.6 | 56 |
| 7 | Inferring the connectivity of coupled oscillators from time-series statistical similarity analysis. <i>Scientific Reports</i> , 2015, 5, 10829. | 1.6 | 54 |
| 8 | Multistate intermittency and extreme pulses in a fiber laser. <i>Physical Review E</i> , 2012, 86, 056219. | 0.8 | 39 |
| 9 | Generalized synchronization in relay systems with instantaneous coupling. <i>Physical Review E</i> , 2013, 88, 052908. | 0.8 | 31 |
| 10 | Synchronization of intermittent behavior in ensembles of multistable dynamical systems. <i>Physical Review E</i> , 2015, 91, 032902. | 0.8 | 27 |
| 11 | Enhancing the stability of the synchronization of multivariable coupled oscillators. <i>Physical Review E</i> , 2015, 92, 032804. | 0.8 | 20 |
| 12 | 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 |
| 13 | Ordinal synchronization: Using ordinal patterns to capture interdependencies between time series. <i>Chaos, Solitons and Fractals</i> , 2019, 119, 8-18. | 2.5 | 19 |
| 14 | Spatial and Temporal Entropies in the Spanish Football League: A Network Science Perspective. <i>Entropy</i> , 2020, 22, 172. | 1.1 | 19 |
| 15 | Optical fiber synaptic sensor. <i>Optics and Lasers in Engineering</i> , 2011, 49, 736-742. | 2.0 | 18 |
| 16 | Experimental approach to the study of complex network synchronization using a single oscillator. <i>Physical Review E</i> , 2009, 79, 055202. | 0.8 | 17 |
| 17 | Selective monostability in multi-stable systems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20150005. | 1.0 | 17 |
| 18 | Experimental Implementation of a Biometric Laser Synaptic Sensor. <i>Sensors</i> , 2013, 13, 17322-17331. | 2.1 | 16 |

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|----|---|-----|-----------|
| 19 | Optimal phase synchronization in networks of phase-coherent chaotic oscillators. <i>Chaos</i> , 2017, 27, 013111. | 1.0 | 16 |
| 20 | Synchronization of networks of chaotic oscillators: Structural and dynamical datasets. <i>Data in Brief</i> , 2016, 7, 1185-1189. | 0.5 | 15 |
| 21 | 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 |
| 22 | Error-feedback control of multistability. <i>Journal of the Franklin Institute</i> , 2017, 354, 7346-7358. | 1.9 | 12 |
| 23 | Dynamical complexity as a proxy for the network degree distribution. <i>Physical Review E</i> , 2019, 99, 012310. | 0.8 | 11 |
| 24 | Optoelectronic flexible logic gate based on a fiber laser. <i>European Physical Journal: Special Topics</i> , 2014, 223, 2837-2846. | 1.2 | 10 |
| 25 | Two-channel opto-electronic chaotic communication system. <i>Journal of the Franklin Institute</i> , 2012, 349, 3194-3202. | 1.9 | 9 |
| 26 | 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 |
| 27 | Secure optoelectronic communication using laser diode driving by chaotic Rössler oscillators. <i>Journal of Physics: Conference Series</i> , 2011, 274, 012024. | 0.3 | 8 |
| 28 | Knowledge Discovery in Spectral Data by Means of Complex Networks. <i>Metabolites</i> , 2013, 3, 155-167. | 1.3 | 8 |
| 29 | Coherence enhanced intermittency in an optically injected semiconductor laser. <i>Optics Express</i> , 2015, 23, 10428. | 1.7 | 8 |
| 30 | 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 |
| 31 | Interconnecting Networks: The Role of Connector Links. <i>Understanding Complex Systems</i> , 2016, , 61-77. | 0.3 | 5 |
| 32 | Experimental implementation of maximally synchronizable networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 448, 113-121. | 1.2 | 5 |
| 33 | Synchronization of unidirectionally delay-coupled chaotic oscillators with memory. <i>European Physical Journal: Special Topics</i> , 2016, 225, 2707-2715. | 1.2 | 3 |
| 34 | Solvent effect in extra-cavity pulses by thermo-cavitation in natural dyes. , 2019, , . | | 3 |
| 35 | Synchronization of infrared and green components in a loss-modulated dual-cavity Nd:YAG laser with second harmonic generation. <i>European Physical Journal: Special Topics</i> , 2014, 223, 2799-2806. | 1.2 | 1 |
| 36 | Experimental and Numerical Study of an Optoelectronics Flexible Logic Gate Using a Chaotic Doped Fiber Laser. , 2018, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Complex networks exhibit intermittent synchronization. Chaos, 2020, 30, 103119. | 1.0 | 1 |
| 38 | Optoelectronic flexible logic-gate using a chaotic erbium doped fiber laser, experimental results. , 2014, , . | | 1 |
| 39 | Enhancing the Edge Detection by Gradient-Plus-Canny Filters. , 2018, , . | | 1 |
| 40 | 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 |
| 41 | Optical synapse. , 2011, , . | | 0 |
| 42 | Analysis of extra-cavity pulses by thermo-cavitation in natural dyes. , 2018, , . | | 0 |