Cristina Masoller

List of Publications by Year
in descending order

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236	5,380	94433	110387
papers	citations	37 h-index	64 g-index

258	258	258	2570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correlation lags give early warning signals of approaching bifurcations. Chaos, Solitons and Fractals, 2022, 155, 111720.	5.1	3
2	Experimental and Numerical Study of Locking of Low-Frequency Fluctuations of a Semiconductor Laser with Optical Feedback. Photonics, 2022, 9, 103.	2.0	2
3	Dynamics of a semiconductor laser with feedback and modulation: experiments and model comparison. Optics Express, 2022, 30, 9441.	3.4	2
4	Time crystal dynamics in a weakly modulated stochastic time delayed system. Scientific Reports, 2022, 12, 4914.	3.3	1
5	Perspectives on the importance of complex systems in understanding our climate and climate changeâ€"The Nobel Prize in Physics 2021. Chaos, 2022, 32, .	2.5	3
6	Influence of <scp>Maddenâ€"Julian</scp> Oscillation on extreme rainfall events in Spring in southern Uruguay. International Journal of Climatology, 2021, 41, 3339-3351.	3.5	10
7	Fast and effective pseudo transfer entropy for bivariate data-driven causal inference. Scientific Reports, 2021, 11, 8423.	3.3	14
8	Control of coherence resonance in multiplex neural networks. Chaos, Solitons and Fractals, 2021, 145, 110666.	5.1	18
9	Testing Critical Slowing Down as a Bifurcation Indicator in a Low-dissipation Laser System. , 2021, , .		0
10	Symbolic analysis of bursting dynamical regimes of Rulkov neural networks. Neurocomputing, 2021, 441, 44-51.	5.9	7
11	Discriminating chaotic and stochastic time series using permutation entropy and artificial neural networks. Scientific Reports, 2021, 11, 15789.	3.3	14
12	Locking Phenomena in Semiconductor Lasers near Threshold with Optical Feedback and Sinusoidal Current Modulation. Applied Sciences (Switzerland), 2021, 11, 7871.	2.5	3
13	Evaluating Temporal Correlations in Time Series Using Permutation Entropy, Ordinal Probabilities and Machine Learning. Entropy, 2021, 23, 1025.	2.2	4
14	Permutation entropy analysis of the output of a laser diode under stimulated Brillouin scattering optical feedback. Optics Express, 2021, 29, 26787.	3.4	4
15	Inferring the connectivity of coupled chaotic oscillators using Kalman filtering. Scientific Reports, 2021, 11, 22376.	3.3	4
16	Machine learning prediction of the Madden-Julian oscillation. Npj Climate and Atmospheric Science, 2021, 4, .	6.8	7
17	ENSO and SAM Influence on the Generation of Long Episodes of Rossby Wave Packets During Southern Hemisphere Summer. Journal of Geophysical Research D: Atmospheres, 2021, 126, .	3.3	3
18	Experimental study of the randomness of the dynamics of a laser diode under stimulated Brillouin scattering optical feedback. , 2021, , .		0

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19	Neuronal coupling benefits the encoding of weak periodic signals in symbolic spike patterns. Communications in Nonlinear Science and Numerical Simulation, 2020, 82, 105023.	3.3	6
20	Testing Critical Slowing Down as a Bifurcation Indicator in a Low-Dissipation Dynamical System. Physical Review Letters, 2020, 125, 134102.	7.8	15
21	Success rate analysis of the response of an excitable laser to periodic perturbations. Chaos, 2020, 30, 081101.	2.5	0
22	Neuronal Transmission of Subthreshold Periodic Stimuli Via Symbolic Spike Patterns. Entropy, 2020, 22, 524.	2.2	3
23	Experimental study of speckle patterns generated by low-coherence semiconductor laser light. Chaos, 2020, 30, 063147.	2.5	5
24	Mapping atmospheric waves and unveiling phase coherent structures in a global surface air temperature reanalysis dataset. Chaos, 2020, 30, 011103.	2.5	2
25	Inferring the connectivity of coupled oscillators and anticipating their transition to synchrony through lag-time analysis. Chaos, Solitons and Fractals, 2020, 133, 109604.	5.1	3
26	Characterizing signal encoding and transmission in class I and class II neurons via ordinal time-series analysis. Chaos, 2020, 30, 013123.	2.5	6
27	Remote recovery of audio signals from videos of optical speckle patterns: a comparative study of signal recovery algorithms. Optics Express, 2020, 28, 8716.	3.4	9
28	New algorithms to characterize and classify ophthalmic images. , 2020, , .		0
29	Network-based features for retinal fundus vessel structure analysis. PLoS ONE, 2019, 14, e0220132.	2.5	3
30	Machine learning algorithms for predicting the amplitude of chaotic laser pulses. Chaos, 2019, 29, 113111.	2.5	49
31	Comparing the dynamics of periodically forced lasers and neurons. New Journal of Physics, 2019, 21, 103039.	2.9	13
32	Experimental characterization of the speckle pattern at the output of a multimode optical fiber. Optics Express, 2019, 27, 27737.	3.4	6
33	Topological data analysis of high resolution diabetic retinopathy images. PLoS ONE, 2019, 14, e0217413.	2.5	30
34	Uncovering temporal regularity in atmospheric dynamics through Hilbert phase analysis. Chaos, 2019, 29, 051101.	2.5	2
35	Exploiting the Nonlinear Dynamics of Optically Injected Semiconductor Lasers for Optical Sensing. Photonics, 2019, 6, 45.	2.0	4
36	Assessing diversity in multiplex networks. Scientific Reports, 2019, 9, 4511.	3.3	26

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37	Speckle reduction in double-pass retinal images. Scientific Reports, 2019, 9, 4469.	3.3	7
38	Unsupervised feature extraction of anterior chamber OCT images for ordering and classification. Scientific Reports, 2019, 9, 1157.	3.3	13
39	The Climate System. , 2019, , 1-13.		0
40	Climate Variability. , 2019, , 14-26.		0
41	Climate Data Analysis. , 2019, , 27-47.		1
42	Climate Networks: Construction Methods and Analysis. , 2019, , 48-78.		0
43	Computational Tools for Network Analysis. , 2019, , 79-93.		0
44	Applications to Atmospheric Variability. , 2019, , 94-129.		0
45	Applications to Oceanic Variability. , 2019, , 130-160.		0
46	Climate Tipping Behavior. , 2019, , 161-197.		0
47	Network-Based Prediction. , 2019, , 198-215.		0
48	Quantifying the degree of locking in weakly forced stochastic systems. Physical Review E, 2019, 99, 022207.	2.1	5
49	Outlier Mining Methods Based on Graph Structure Analysis. Frontiers in Physics, 2019, 7, .	2.1	3
50	Characterization of speckle patterns generated by a semiconductor laser with optical feedback for speckle reduction in retinal imaging instruments. , 2019, , .		0
51	Persistence and stochastic periodicity in the intensity dynamics of a fiber laser during the transition to optical turbulence. Physical Review A, 2018, 97, .	2.5	11
52	Impact of lag information on network inference. European Physical Journal: Special Topics, 2018, 227, 1243-1250.	2.6	4
53	Differentiating resting brain states using ordinal symbolic analysis. Chaos, 2018, 28, 106307.	2.5	18
54	Quantifying changes in spatial patterns of surface air temperature dynamics over several decades. Earth System Dynamics, 2018, 9, 383-391.	7.1	18

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55	Sub-threshold signal encoding in coupled FitzHugh-Nagumo neurons. Scientific Reports, 2018, 8, 8276.	3.3	19
56	Experimental study of modulation waveforms for entraining the spikes emitted by a semiconductor laser with optical feedback. Optics Express, 2018, 26, 9298.	3.4	14
57	State space reconstruction of spatially extended systems and of time delayed systems from the time series of a scalar variable. Chaos, 2018, 28, 075504.	2.5	3
58	Large-Scale Atmospheric Phenomena Under the Lens of Ordinal Time-Series Analysis and Information Theory Measures. , 2018, , 87-99.		0
59	Optimal Entrainment of the Power Dropouts of a Semiconductor Laser with Optical Feedback to Pump Current Modulation. , 2018, , .		0
60	Extreme Pulses in Optically Injected Semiconductor Lasers: Precursors and On-demand Generation. , 2018, , .		0
61	Quantification of network structural dissimilarities. Nature Communications, 2017, 8, 13928.	12.8	166
62	Inferring directed climatic interactions with renormalized partial directed coherence and directed partial correlation. Chaos, 2017, 27, 035815.	2.5	23
63	Experimental characterization of the transition to coherence collapse in a semiconductor laser with optical feedback. Chaos, 2017, 27, 114315.	2.5	12
64	Identifying large-scale patterns of unpredictability and response to insolation in atmospheric data. Scientific Reports, 2017, 7, 45676.	3.3	17
65	Predictability of extreme intensity pulses in optically injected semiconductor lasers. European Physical Journal: Special Topics, 2017, 226, 1971-1977.	2.6	21
66	Predictability of extreme intensity pulses in optically injected semiconductor lasers. , 2017, , .		0
67	Characterisation of emergent properties during the transition to optical turbulence in a fibre laser. , 2017, , .		0
68	Are the spikes emitted by a semiconductor laser with feedback similar to neuronal spikes?. , 2017, , .		1
69	Generation of extreme pulses on demand in semiconductor lasers with optical injection. Optics Express, 2017, 25, 31326.	3.4	19
70	On the predictability of optical rogue waves in a semiconductor laser with optical injection. , 2017, , .		0
71	Incoherent light sources for speckle reduction in double pass ocular imaging. , 2017, , .		0
72	Global Atmospheric Dynamics Investigated by Using Hilbert Frequency Analysis. Entropy, 2016, 18, 408.	2.2	19

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73	Analysis of noise-induced temporal correlations in neuronal spike sequences. European Physical Journal: Special Topics, 2016, 225, 2689-2696.	2.6	7
74	Effects of modulation in the complex dynamics of a semiconductor laser with feedback. , 2016, , .		0
75	Analysis of the effects of periodic forcing in the spike rate and spike correlation's in semiconductor lasers with optical feedback. , 2016, , .		0
76	Investigating optical complexity of the phase transition in the intensity of a fibre laser radiation. , 2016, , .		0
77	Roadmap on optical rogue waves and extreme events. Journal of Optics (United Kingdom), 2016, 18, 063001.	2.2	225
78	Emergence of spike correlations in periodically forced excitable systems. Physical Review E, 2016, 94, 032218.	2.1	14
79	Unveiling Temporal Correlations Characteristic of a Phase Transition in the Output Intensity of a Fiber Laser. Physical Review Letters, 2016, 116, 033902.	7.8	48
80	Unravelling the community structure of the climate system by using lags and symbolic time-series analysis. Scientific Reports, 2016, 6, 29804.	3.3	30
81	Quantitative identification of dynamical transitions in a semiconductor laser with optical feedback. Scientific Reports, 2016, 6, 37510.	3.3	11
82	Heavy-Tailed Fluctuations in the Spiking Output Intensity of Semiconductor Lasers with Optical Feedback. PLoS ONE, 2016, 11, e0150027.	2.5	3
83	Predictability of Optical Rogue Waves in Optically Injected Semiconductor Lasers. , 2016, , .		0
84	A study of the air-sea interaction in the South Atlantic Convergence Zone through Granger causality. International Journal of Climatology, 2015, 35, 3440-3453.	3.5	38
85	Numerical and experimental study of the effects of noise on the permutation entropy. New Journal of Physics, 2015, 17, 093002.	2.9	22
86	Analysis of the Spike Rate and Spike Correlations in Modulated Semiconductor Lasers With Optical Feedback. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 561-567.	2.9	8
87	Quantifying sudden changes in dynamical systems using symbolic networks. New Journal of Physics, 2015, 17, 023068.	2.9	26
88	Inferring the connectivity of coupled oscillators from time-series statistical similarity analysis. Scientific Reports, 2015, 5, 10829.	3.3	54
89	Effects of periodic forcing on the temporally correlated spikes of a semiconductor laser with feedback. Optics Express, 2015, 23, 5571.	3.4	40
90	Assessing the direction of climate interactions by means of complex networks and information theoretic tools. Chaos, 2015, 25, 033105.	2.5	43

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91	Organization and identification of solutions in the time-delayed Mackey-Glass model. Chaos, 2015, 25, 043112.	2.5	17
92	Distinguishing the effects of internal and forced atmospheric variability in climate networks. Nonlinear Processes in Geophysics, 2014, 21, 617-631.	1.3	23
93	Exact detection of direct links in networks of interacting dynamical units. New Journal of Physics, 2014, 16, 093010.	2.9	33
94	Suppression of Optical Rogue Waves in a CW Injected Semiconductor Laser With Current Modulation and Noise. , 2014, , .		0
95	Experimental study of the complex dynamics of semiconductor lasers with feedback via symbolic time-series analysis. Proceedings of SPIE, 2014, , .	0.8	1
96	Rogue waves in injected semiconductor lasers with current modulation: role of the modulation phase. Optics Express, 2014, 22, 28377.	3.4	19
97	Experimental and numerical study of the symbolic dynamics of a modulated external-cavity semiconductor laser. Optics Express, 2014, 22, 4705.	3.4	18
98	Controlling the likelihood of rogue waves in an optically injected semiconductor laser via direct current modulation. Physical Review A, 2014, 89, .	2.5	34
99	Polarization Switching and Hysteresis in Vertical-Cavity Surface-Emitting Lasers Subject to Orthogonal Optical Injection. IEEE Journal of Quantum Electronics, 2014, 50, 848-853.	1.9	7
100	Interaction network based early-warning indicators of vegetation transitions. Ecological Complexity, 2014, 19, 148-157.	2.9	47
101	Unveiling the complex organization of recurrent patterns in spiking dynamical systems. Scientific Reports, 2014, 4, 4696.	3.3	45
102	Origin, Control, and Predictability of Optical Rogue Waves in Semiconductor Lasers. , 2014, , .		0
103	All-Optical Stochastic Logic Gate Based on a VCSEL With Tunable Optical Injection. IEEE Journal of Quantum Electronics, 2013, 49, 886-893.	1.9	24
104	Characterizing the dynamics of coupled pendulums via symbolic time series analysis. European Physical Journal: Special Topics, 2013, 222, 501-510.	2.6	6
105	Inferring interdependencies in climate networks constructed at inter-annual, intra-season and longer time scales. European Physical Journal: Special Topics, 2013, 222, 511-523.	2.6	45
106	Distinguishing signatures of determinism and stochasticity in spiking complex systems. Scientific Reports, 2013, 3, .	3.3	26
107	Extreme pulses in lasers with modulated losses. , 2013, , .		0
108	Rogue waves in optically injected lasers: Origin, predictability, and suppression. Physical Review A, 2013, 87, .	2.5	102

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109	Extreme intensity pulses in a semiconductor laser with a short external cavity. Physical Review E, 2013, 87, 062913.	2.1	73
110	Multidimensional subwavelength position sensing using a semiconductor laser with optical feedback. Optics Letters, 2013, 38, 4331.	3.3	11
111	Two-parameter study of square-wave switching dynamics in orthogonally delay-coupled semiconductor lasers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120471.	3.4	8
112	On the effects of lag-times in networks constructed from similarities of monthly fluctuations of climate fields. Europhysics Letters, 2013, 102, 59003.	2.0	26
113	Numerical study of polarization hysteresis in VCSELs subject to orthogonal injection. , 2013, , .		0
114	Experimental and numerical study of the predictability of rogue waves in semiconductor lasers. , 2013, , .		0
115	All optical implementation of a stochastic logic gate using a VCSEL with external optical injection. , 2012, , .		0
116	Hopf bifurcation to square-wave switching in mutually coupled semiconductor lasers. Physical Review E, 2012, 86, 016218.	2.1	11
117	Stochastic logic gate that exploits noise and polarization bistability in an optically injected VCSEL. Optics Express, 2012, 20, 22692.	3.4	28
118	Square-wave switching in vertical-cavity surface-emitting lasers with polarization-rotated optical feedback: Experiments and simulations. Physical Review A, 2012, 86, .	2.5	17
119	Dynamics of vertical-cavity surface emitting lasers under selective polarization rotated feedback and coupling. , 2011, , .		0
120	Bifurcation to square-wave switching in orthogonally delay-coupled semiconductor lasers: Theory and experiment. Physical Review A, 2011, 84, .	2.5	29
121	Diode laser operation under orthogonal feedback: Experiments and theory. , 2011, , .		0
122	Deterministic Optical Rogue Waves. Physical Review Letters, 2011, 107, 053901.	7.8	236
123	Numerical characterization of transient polarization square-wave switching in two orthogonally coupled VCSELs. Optics Express, 2011, 19, 20269.	3.4	7
124	All optical implementation of a stochastic logic gate using a VCSEL with external optical injection. , 2011, , .		0
125	Inferring long memory processes in the climate network via ordinal pattern analysis. Chaos, 2011, 21, 013101.	2.5	86
126	Quantifying the complexity of the delayed logistic map. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 425-438.	3.4	19

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127	Complex transitions to synchronization in delay-coupled networks of logistic maps. European Physical Journal D, 2011, 62, 119-126.	1.3	21
128	Language organization and temporal correlations in the spiking activity of an excitable laser: Experiments and model comparison. Physical Review E, 2011, 84, 026202.	2.1	19
129	Frequency dynamics of semiconductor lasers with atomic absorbers: theory and experiments. European Physical Journal D, 2010, 58, 191-196.	1.3	2
130	Introduction to the Topical Issue on Laser Dynamics and Nonlinear Photonics. European Physical Journal D, 2010, 58, 153-159.	1.3	1
131	Dynamical Hysteresis and Thermal Effects in Vertical-Cavity Surface-Emitting Lasers. IEEE Journal of Quantum Electronics, 2010, 46, 1788-1794.	1.9	12
132	Quantifying the statistical complexity of low-frequency fluctuations in semiconductor lasers with optical feedback. Physical Review A, 2010, 82, .	2.5	45
133	Transient low-frequency fluctuations in semiconductor lasers with optical feedback. Physical Review A, 2010, 81, .	2.5	30
134	Crowd Synchrony and Quorum Sensing in Delay-Coupled Lasers. Physical Review Letters, 2010, 105, 264101.	7.8	87
135	Numerical implementation of a VCSEL-based stochastic logic gate via polarization bistability. Optics Express, 2010, 18, 16418.	3.4	53
136	Thermal effects and dynamical hysteresis in the turn-on and turn-off of vertical-cavity surface-emitting lasers. Optics Letters, 2010, 35, 3688.	3.3	11
137	Experimental and theoretical study of thermal effects on the dynamical hysteresis in VCSEL turn-on and turn -off. , 2010, , .		0
138	MULTI-STABILITY AND TRANSIENT CHAOTIC DYNAMICS IN SEMICONDUCTOR LASERS WITH TIME-DELAYED OPTICAL FEEDBACK. World Scientific Series on Nonlinear Science, Series B, 2010, , 78-83.	0.2	1
139	Detecting and quantifying stochastic and coherence resonances via information-theory complexity measurements. Physical Review E, 2009, 79, 040106.	2.1	80
140	Modeling a semiconductor laser with an intracavity atomic absorber. Physical Review A, 2009, 80, .	2.5	2
141	Dynamics of globally delay-coupled neurons displaying subthreshold oscillations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3255-3266.	3.4	26
142	Topics on non-equilibrium statistical mechanics and nonlinear physics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3151-3156.	3.4	1
143	Synchronizability of chaotic logistic maps in delayed complex networks. European Physical Journal B, 2009, 67, 83-93.	1.5	21
144	Detecting and quantifying temporal correlations in stochastic resonance via information theory measures. European Physical Journal B, 2009, 69, 37-43.	1.5	60

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145	Polarization-Resolved Modulation Response of Single-Transverse-Mode Vertical-Cavity Surface-Emitting Lasers. IEEE Journal of Quantum Electronics, 2009, 45, 206-212.	1.9	4
146	Dynamics of delayed-coupled chaotic logistic maps: Influence of network topology, connectivity and delay times. Pramana - Journal of Physics, 2008, 70, 1117-1125.	1.8	3
147	Generation of optical pulses in VCSELs below the static threshold using asymmetric current modulation. Optics Express, 2008, 16, 17848.	3.4	3
148	Modeling thermal effects and polarization competition in vertical-cavity surface-emitting lasers. Optics Express, 2008, 16, 21282.	3.4	11
149	Interplay of subthreshold activity, time-delayed feedback, and noise on neuronal firing patterns. Physical Review E, 2008, 78, 041907.	2.1	49
150	Experimental and theoretical study of dynamical hysteresis and scaling laws in the polarization switching of vertical-cavity surface-emitting lasers. Physical Review A, 2008, 77, .	2.5	18
151	Synchronization via clustering in a small semiconductor laser network. , 2007, , .		0
152	Polarization-switching of VCSELs with orthogonal optical feedback: experiments and theory. , 2007, , .		0
153	Modeling multi-longitudinal-mode semiconductor lasers with incoherent feedback. Physical Review A, 2007, 76, .	2.5	4
154	Semiconductor lasers under orthogonal frequency-dependent optical feedback: experiments and theory. , 2007, , .		0
155	Impact of noise on current-driven polarization switching of vertical-cavity surface-emitting lasers. , 2007, , .		0
156	Synchronization via clustering in a small delay-coupled laser network. Europhysics Letters, 2007, 79, 64003.	2.0	29
157	Impact of orthogonal optical feedback on the polarization switching of vertical-cavity surface-emitting lasers. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1987.	2.1	20
158	Bistability in Semiconductor Lasers With Polarization-Rotated Frequency-Dependent Optical Feedback. IEEE Journal of Quantum Electronics, 2007, 43, 261-268.	1.9	15
159	Polarization Dynamics of Current-Modulated Vertical-Cavity Surface-Emitting Lasers. IEEE Journal of Quantum Electronics, 2007, 43, 1074-1082.	1.9	23
160	Neuronal Multistability Induced by Delay. Lecture Notes in Computer Science, 2007, , 963-972.	1.3	4
161	Experimental study of polarization switching of vertical-cavity surface-emitting lasers as a dynamical bifurcation. Optics Letters, 2006, 31, 748.	3.3	30
162	Observation of cascade complete-chaos synchronization with zero time lag in laser diodes. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 846.	2.1	28

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163	Subdiffractive light in bi-periodic arrays of modulated fibers. Optics Express, 2006, 14, 10669.	3.4	31
164	Chaotic maps coupled with random delays: Connectivity, topology, and network propensity for synchronization. Physica A: Statistical Mechanics and Its Applications, 2006, 371, 104-107.	2.6	16
165	Transverse and polarization effects in index-guided vertical-cavity surface-emitting lasers. Physical Review A, 2006, 74, .	2.5	10
166	Influence of the injection current sweep rate on the polarization switching of vertical-cavity surface-emitting lasers. Journal of Applied Physics, 2006, 99, 026108.	2.5	28
167	Modeling spatial effects in multi-longitudinal-mode semiconductor lasers. Physical Review A, 2006, 73, .	2.5	19
168	Antiphase dynamics in multimode semiconductor lasers with optical feedback. Physical Review A, 2005, 71, .	2.5	13
169	Steady-state stabilization due to random delays in maps with self-feedback loops and in globally delayed-coupled maps. Physical Review E, 2005, 72, 066217.	2.1	16
170	Influence of optical feedback on the polarization switching of vertical-cavity surface-emitting lasers. IEEE Journal of Quantum Electronics, 2005, 41, 483-489.	1.9	52
171	Random Delays and the Synchronization of Chaotic Maps. Physical Review Letters, 2005, 94, 134102.	7.8	120
172	Distribution of residence times in bistable noisy systems with time-delayed feedback. Physical Review E, 2004, 70, 031103.	2.1	23
173	Influence of time-delayed feedback in the firing pattern of thermally sensitive neurons. Physical Review E, 2004, 70, 031904.	2.1	39
174	Experimental Investigation of a Bistable System in the Presence of Noise and Delay. Physical Review Letters, 2004, 92, 050601.	7.8	71
175	Distribution of residence times in bistable noisy systems with time-delayed feedback. , 2004, , .		0
176	Synchronization of globally coupled non-identical maps with inhomogeneous delayed interactions. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 344-350.	2.6	15
177	Synchronization of globally coupled non-identical maps with inhomogeneous delayed interactions. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 344-344.	2.6	1
178	Enhanced sensitivity to current modulation near dynamic instability in semiconductor lasers with optical feedback and optical injection. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 302.	2.1	8
179	Synchronization of unidirectionally coupled multi-transverse-mode vertical-cavity surface-emitting lasers. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1772.	2.1	20
180	Numerical Study of Optical Injection Dynamics of Vertical-Cavity Surface-Emitting Lasers. IEEE Journal of Quantum Electronics, 2004, 40, 25-30.	1.9	22

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181	Transverse-mode dynamics in directly modulated vertical-cavity surface-emitting lasers with optical feedback. IEEE Journal of Quantum Electronics, 2004, 40, 620-628.	1.9	22
182	Bistable systems with noise and delay. , 2004, , .		0
183	Noise-induced Resonance in Semiconductor Lasers with Optical Feedback. Nonlinear Phenomena and Complex Systems, 2004, , 241-247.	0.0	0
184	Antiphase dynamics in a multimode Fabryâ€“Perot semiconductor laser with external feedback. Physica A: Statistical Mechanics and Its Applications, 2003, 327, 129-134.	2.6	12
185	Different regimes of synchronization in nonidentical time-delayed maps. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 361-370.	2.6	11
186	Synchronization in an array of globally coupled maps with delayed interactions. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 186-191.	2.6	29
187	Characterization of the anticipated synchronization regime in the coupled FitzHughâ€“Nagumo model for neurons. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 192-198.	2.6	52
188	Different regimes of low-frequency fluctuations in vertical-cavity surface-emitting lasers. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 37.	2.1	36
189	Distribution of Residence Times of Time-Delayed Bistable Systems Driven by Noise. Physical Review Letters, 2003, 90, 020601.	7.8	125
190	Delay-induced synchronization phenomena in an array of globally coupled logistic maps. Physical Review E, 2003, 67, 056219.	2.1	41
191	Effects of current modulation on the transverse-mode dynamics of vertical-cavity surface-emitting lasers with weak optical feedback. , 2003, , .		0
192	Enhanced intensity fluctuations in a laser diode subject to optical feedback. , 2003, , .		0
193	Fast pulsing dynamics of a vertical-cavity surface-emitting laser operating in the low-frequency fluctuation regime. Physical Review A, 2003, 68, .	2.5	20
194	Anticipating the Response of Excitable Systems Driven by Random Forcing. Physical Review Letters, 2003, 90, 204102.	7.8	79
195	Anticipated synchronization in neuronal systems subject to noise. , 2003, 5114, 261.		0
196	Different regimes of low-frequency fluctuations in vertical-cavity surface-emitting lasers. , 2003, 4942, 345.		0
197	Noise-Induced Resonance in Delayed Feedback Systems. Physical Review Letters, 2002, 88, 034102.	7.8	192
198	Synchronization regimes of optical-feedback-induced chaos in unidirectionally coupled semiconductor lasers. Physical Review E, 2002, 65, 056205.	2.1	85

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199	Comparison of two types of synchronization of unidirectionally coupled external-cavity semiconductor lasers. , 2002, , .		0
200	Modeling bidirectionally coupled single-mode semiconductor lasers. Physical Review A, 2002, 65, .	2.5	81
201	Comparison of two types of synchronization of external-cavity semiconductor lasers. Optics Letters, 2002, 27, 31.	3.3	41
202	Chaos shift-keying encryption in chaotic external-cavity semiconductor lasers using a single-receiver scheme. IEEE Photonics Technology Letters, 2002, 14, 456-458.	2.5	93
203	Numerical investigation of noise-induced resonance in a semiconductor laser with optical feedback. Physica D: Nonlinear Phenomena, 2002, 168-169, 171-176.	2.8	8
204	Effects of carrier transport on the transverse-mode selection of index-guided vertical-cavity surface-emitting lasers. Optics Communications, 2002, 202, 311-318.	2.1	5
205	Anticipating the dynamics of chaotic maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 295, 39-43.	2.1	27
206	Transverse-mode dynamics in vertical-cavity surface-emitting lasers with optical feedback. Physical Review A, 2002, 66, .	2.5	21
207	Delayed coupling of logistic maps. Physical Review E, 2001, 64, 037202.	2.1	29
208	Anticipation in the synchronization of chaotic time-delay systems. Physica A: Statistical Mechanics and Its Applications, 2001, 295, 301-304.	2.6	37
209	Turn-on transient dynamics of a semiconductor laser with optical feedback. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2001, 14, 359-365.	1.9	2
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