Ingo Fischer

List of Publications by Year
in descending order

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209 papers	11,300 citations	44069 48 h-index	29157 104 g-index
212 all docs	212 docs citations	212 times ranked	4486 citing authors

#	Article	IF	Citations
1	56 GBaud PAM-4 100 Km Transmission System With Photonic Processing Schemes. Journal of Lightwave Technology, 2022, 40, 55-62.	4.6	10
2	Nonlinear Dynamics of a Single-Mode Semiconductor Laser with Long Delayed Optical Feedback: A Modern Experimental Characterization Approach. Photonics, 2022, 9, 47.	2.0	1
3	High-speed harvesting of random numbers. Science, 2021, 371, 889-890.	12.6	4
4	Fast physical repetitive patterns generation for masking in time-delay reservoir computing. Scientific Reports, 2021, 11, 6701.	3.3	8
5	Predicting hidden structure in dynamical systems. Nature Machine Intelligence, 2021, 3, 281-282.	16.0	2
6	Transmission delays and frequency detuning can regulate information flow between brain regions. PLoS Computational Biology, 2021, 17, e1008129.	3.2	69
7	Generation of fast physical periodic patterns with high intra-pattern diversity using semiconductor lasers with optical feedback. , 2021, , .		0
8	Exploiting transient dynamics of a time-multiplexed reservoir to boost the system performance. , 2021, , .		2
9	Deep neural networks using a single neuron: folded-in-time architecture using feedback-modulated delay loops. Nature Communications, 2021, 12, 5164.	12.8	31
10	Boosting the output power of large-aperture lasers by breaking their circular symmetry. Optica, 2021, 8, 1167.	9.3	9
11	Analog information processing with time-multiplexed optoelectronic systems. , 2021, , .		0
12	Advances in fiber-based time-delay reservoir computing. , 2021, , .		0
13	Model-free inference of unseen attractors: Reconstructing phase space features from a single noisy trajectory using reservoir computing. Chaos, 2021, 31, 103127.	2.5	16
14	Comparison of Photonic Reservoir Computing Systems for Fiber Transmission Equalization. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-9.	2.9	31
15	Developing a photonic hardware platform for brain-inspired computing based on 5â€‰Ã—â€‰5 VCSEL arrays. JPhys Photonics, 2020, 2, 044002.	4.6	25
16	Introduction to JSTQE Issue on Photonics for Deep Learning and Neural Computing. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-3.	2.9	3
17	Accelerating photonic computing by bandwidth enhancement of a time-delay reservoir. Nanophotonics, 2020, 9, 4163-4171.	6.0	18
18	Bandwidth Enhanced Operation of Photonic Time Delay Reservoir Computing. , 2020, , .		0

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19	PAM-4 Transmission at 1550 nm Using Photonic Reservoir Computing Post-Processing. IEEE Access, 2019, 7, 37017-37025.	4.2	31
20	Cross-predicting the dynamics of an optically injected single-mode semiconductor laser using reservoir computing. Chaos, 2019, 29, 113113.	2.5	23
21	Constructive Role of Noise for High-Quality Replication of Chaotic Attractor Dynamics Using a Hardware-Based Reservoir Computer. Physical Review Applied, 2019, 12, .	3.8	18
22	A Unifying Analysis of Chaos Synchronization and Consistency in Delay-Coupled Semiconductor Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	2.9	10
23	Nanophotonic Hardware for Reservoir Computing â€" Spectrally Homogeneous Microlaser Arrays. , 2019, , .		0
24	Optoelectronic Reservoir Computing Using a Mixed Digital-Analog Hardware Implementation. Lecture Notes in Computer Science, 2019, , 170-174.	1.3	1
25	Consistency properties of chaotic systems driven by time-delayed feedback. Physical Review E, 2018, 97, 042202.	2.1	13
26	Tutorial: Photonic neural networks in delay systems. Journal of Applied Physics, 2018, 124, .	2.5	91
27	Reinforcement learning in a large-scale photonic recurrent neural network. Optica, 2018, 5, 756.	9.3	250
28	Photonic machine learning implementation for signal recovery in optical communications. Scientific Reports, 2018, 8, 8487.	3.3	119
29	Reinforcement Learning in a Large Scale Photonic Network. , 2018, , .		0
30	Encryption key distribution via chaos synchronization. Scientific Reports, 2017, 7, 43428.	3.3	51
31	Role of dynamical injection locking and characteristic pulse events for low frequency fluctuations in semiconductor lasers. Chaos, 2017, 27, 114307.	2.5	2
32	Post-processing of Long-haul and Ethernet Optical Transmission Signals Using Photonic Reservoir Computing. , 2017, , .		2
33	Photonic information processing at 20GS/s rates based on semiconductor lasers with delayed optical feedback. , 2017, , .		0
34	A complex network of 1600 holographically coupled opto-electronic oscillators: Network dynamics and utilisation for reservoir computing. , 2017, , .		0
35	Conditions for reservoir computing performance using semiconductor lasers with delayed optical feedback. Optics Express, 2017, 25, 2401.	3.4	142
36	Semiconductor laser linewidth reduction by six orders of magnitude via delayed optical feedback. Optics Letters, 2017, 42, 163.	3.3	17

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37	Photonic networks for Neuromorphic Computing. , 2017, , .		0
38	Consistency in experiments on multistable driven delay systems. Chaos, 2016, 26, 103115.	2.5	8
39	CONDENSE: A Reconfigurable Knowledge Acquisition Architecture for Future 5G IoT. IEEE Access, 2016, 4, 3360-3378.	4.2	28
40	All-optical neuromorphic computing in optical networks of semiconductor lasers. , 2016, , .		2
41	Bidirectional private key exchange using delay-coupled semiconductor lasers. Optics Letters, 2016, 41, 2871.	3.3	35
42	Synchronization of Heterogeneous Oscillators by Noninvasive Time-Delayed Cross Coupling. Physical Review Letters, 2015, 115, 194101.	7.8	3
43	A Unified Framework for Reservoir Computing and Extreme Learning Machines based on a Single Time-delayed Neuron. Scientific Reports, 2015, 5, 14945.	3.3	124
44	Minimal approach to neuro-inspired information processing. Frontiers in Computational Neuroscience, 2015, 9, 68.	2.1	54
45	Determining the sub-Lyapunov exponent of delay systems from time series. Physical Review E, 2015, 91, 062908.	2.1	13
46	Experimental Phase-Space Tomography of Semiconductor Laser Dynamics. Physical Review Letters, 2015, 115, 053901.	7.8	17
47	Dynamical properties induced by state-dependent delays in photonic systems. Nature Communications, 2015, 6, 7425.	12.8	12
48	Reservoir computing with a single time-delay autonomous Boolean node. Physical Review E, 2015, 91, 020801.	2.1	93
49	Consistency Properties of a Chaotic Semiconductor Laser Driven by Optical Feedback. Physical Review Letters, 2015, 114, 123902.	7.8	35
50	Digital Implementation of a Single Dynamical Node Reservoir Computer. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 977-981.	3.0	28
51	Reconfigurable semiconductor laser networks based on diffractive coupling. Optics Letters, 2015, 40, 3854.	3.3	78
52	Electrocardiogram Classification Using Reservoir Computing With Logistic Regression. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 892-898.	6.3	112
53	Multivariate nonlinear time-series estimation using delay-based reservoir computing. European Physical Journal: Special Topics, 2014, 223, 2903-2912.	2.6	6
54	Autocorrelation properties of chaotic delay dynamical systems: A study on semiconductor lasers. Physical Review E, 2014, 90, 052911.	2.1	26

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55	Scaling Properties of the Dynamics of Semiconductor Lasers in External Cavities. , 2014, , .		0
56	Similarity properties in the dynamics of delayed-feedback semiconductor lasers. Physical Review A, 2014, 89, .	2.5	28
57	Constructing optimized binary masks for reservoir computing with delay systems. Scientific Reports, 2014, 4, 3629.	3.3	85
58	High-Speed Optical Vector and Matrix Operations Using a Semiconductor Laser. IEEE Photonics Technology Letters, 2013, 25, 1680-1683.	2.5	15
59	Strong and weak chaos in networks of semiconductor lasers with time-delayed couplings. Physical Review E, 2013, 88, 012902.	2.1	44
60	Relation between delayed feedback and delay-coupled systems and its application to chaotic lasers. Chaos, 2013, 23, 043133.	2.5	9
61	Characterizing the deterministic nature of individual power dropouts in semiconductor lasers subject to delayed feedback. Physical Review E, 2013, 88, 052904.	2.1	10
62	Fast Random Bit Generation Using a Chaotic Laser: Approaching the Information Theoretic Limit. IEEE Journal of Quantum Electronics, 2013, 49, 910-918.	1.9	104
63	Parallel photonic information processing at gigabyte per second data rates using transient states. Nature Communications, 2013, 4, 1364.	12.8	623
64	Information Processing Using Transient Dynamics of Semiconductor Lasers Subject to Delayed Feedback. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1501610-1501610.	2.9	98
65	Complex photonics: Dynamics and applications of delay-coupled semiconductors lasers. Reviews of Modern Physics, 2013, 85, 421-470.	45.6	478
66	Spectral properties and synchronization scenarios of two mutually delay-coupled semiconductor lasers. Optics Communications, 2013, 301-302, 67-73.	2.1	15
67	Bidirectional secure key-exchange using chaotic semiconductor lasers. , 2013, , .		0
68	Experimental criteria for high-speed random bit generation using a chaotic semiconductor laser. , 2013, , .		0
69	Experimental distinction of weak and strong chaos in delay-coupled semiconductor lasers. , 2013, , .		0
70	Optoelectronic reservoir computing: tackling noise-induced performance degradation. Optics Express, 2013, 21, 12.	3.4	160
71	Dynamics, control and information in delay-coupled systems: an overview. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120465.	3.4	49
72	High speed, high performance all-optical information processing utilizing nonlinear optical transients. , 2013, , .		1

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73	Limits to detection of generalized synchronization in delay-coupled chaotic oscillators. Physical Review E, 2013, 88, 062924.	2.1	4
74	Dynamical properties of two delay-coupled lasers: on spectra, correlations, and synchronisation. Proceedings of SPIE, 2012, , .	0.8	0
75	Synchronization in Simple Network Motifs with Negligible Correlation and Mutual Information Measures. Physical Review Letters, 2012, 108, 134101.	7.8	31
76	Photonic information processing beyond Turing: an optoelectronic implementation of reservoir computing. Optics Express, 2012, 20, 3241.	3.4	619
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79	Real-time frequency dynamics and high-resolution spectra of a semiconductor laser with delayed feedback. Scientific Reports, 2012, 2, 732.	3.3	28
80	Spectral and correlation properties of rings of delay-coupled elements: Comparing linear and nonlinear systems. Physical Review E, 2012, 85, 056209.	2.1	9
81	A Novel Photonics Approach to Unconventional Information Processing. , 2012, , .		0
82	Mismatch and synchronization: Influence of asymmetries in systems of two delay-coupled lasers. Physical Review E, 2011, 83, 056211.	2.1	38
83	Role of delay for the symmetry in the dynamics of networks. Physical Review E, 2011, 83, 046223.	2.1	17
84	Experimental characterization of bubbling in delay-coupled semiconductor lasers. , 2011, , .		0
85	Information processing using a single dynamical node as complex system. Nature Communications, 2011, 2, 468.	12.8	1,026
86	Distinguishing fingerprints of hyperchaotic and stochastic dynamics in optical chaos from a delayed opto-electronic oscillator. Optics Letters, 2011, 36, 2212.	3.3	26
87	Dynamics of a semiconductor laser with polarization-rotated feedback and its utilization for random bit generation. Optics Letters, 2011, 36, 4632.	3.3	78
88	Time Scales of a Chaotic Semiconductor Laser With Optical Feedback Under the Lens of a Permutation Information Analysis. IEEE Journal of Quantum Electronics, 2011, 47, 252-261.	1.9	161
89	Interplay of Current Noise and Delayed Optical Feedback on the Dynamics of Semiconductor Lasers. IEEE Journal of Quantum Electronics, 2011, 47, 368-374.	1.9	11
90	Dynamics of semiconductor lasers with polarization rotated feedback and its applications for fast random bit generation. , 2011, , .		0

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92	Discriminating chaotic and stochastic dynamics in an optoelectronic oscillator with delayed feedback. , 2011, , .		0
93	Zero-lag synchronization of two delay-coupled lasers: The role of detuning. , 2011, , .		0
94	Amplitude and phase effects on the synchronization of delay-coupled oscillators. Chaos, 2010, 20, 043127.	2.5	36
95	Synchronization and symmetry breaking of delay-coupled oscillators: on the role of phase and amplitude instabilities. , 2010, , .		4
96	Permutation-information-theory approach to unveil delay dynamics from time-series analysis. Physical Review E, 2010, 82, 046212.	2.1	180
97	Bubbling in delay-coupled lasers. , 2009, , .		3
98	Controlling the emission properties of multimode vertical-cavity surface-emitting lasers via polarization- and frequency-selective feedback. Physical Review A, 2009, 79, .	2.5	10
99	Role of thermal effects on the onset of spatially incoherent emission in a Broad-Area Vertical-Cavity Surface-Emitting Laser. , 2009, , .		0
100	Lag Syncronization in Delay-Coupled Semiconductor Lasers. , 2009, , .		0
101	Amplitudeâ€“phase dynamics near the locking region of two delay-coupled semiconductor lasers. Nonlinearity, 2009, 22, 585-600.	1.4	12
102	A mechanism for achieving zero-lag long-range synchronization of neural activity. BMC Neuroscience, 2009, 10, .	1.9	1
103	Thermally Controlled Onset of Spatially Incoherent Emission in a Broad-Area Vertical-Cavity Surface-Emitting Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 555-562.	2.9	11
104	Bubbling in delay-coupled lasers. Physical Review E, 2009, 79, 065201.	2.1	71
105	Spatially Resolved Characterization of the Coherence Area in the Incoherent Emission Regime of a Broad-Area Vertical-Cavity Surface-Emitting Laser. IEEE Journal of Quantum Electronics, 2009, 45, 249-255.	1.9	13
106	Far in Space and Yet in Synchrony: Neuronal Mechanisms for Zero-Lag Long-Range Synchronization. , 2009, , 143-167.		0
107	Speckle characteristics of a broad-area VCSEL in the incoherent emission regime. Optics Communications, 2008, 281, 4424-4431.	2.1	23
108	Dynamics, correlation scaling, and synchronization behavior in rings of delay-coupled oscillators. Physical Review E, 2008, 77, 055202.	2.1	65

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110	Synchronization properties of network motifs: Influence of coupling delay and symmetry. Chaos, 2008, 18, 037116.	2.5	122
111	Evolution from modal to spatially incoherent emission of a broad-area VCSEL. Optics Express, 2008, 16, 4452.	3.4	22
112	Generation and spectroscopic application of tunable continuous-wave terahertz radiation using a dual-mode semiconductor laser. Measurement Science and Technology, 2008, 19, 065305.	2.6	15
113	Dynamical relaying can yield zero time lag neuronal synchrony despite long conduction delays. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17157-17162.	7.1	310
114	Coherence radius and mode size of a broad-area vertical-cavity surface-emitting laser in the incoherent emission regime. , 2008, , .		0
115	Influence of Current Noise on Delayed Feedback Dynamics of Vertical-Cavity Surface-Emitting Lasers. , 2007, , .		0
116	Synchronization of Chaotic Unidirectionally Coupled Multisection Lasers. , 2007, , .		0
117	MaÃŸgeschneiderte Externer-Resonator-Halbleiterlasersysteme unter Ausnutzung Nichtlinearer Dynamik (Tailored External-Cavity Semiconductor Laser Systems Harnessing Nonlinear Dynamics). TM Technisches Messen, 2007, 74, 353-364.	0.7	0
118	Speckle phenomena in pulsed broad-area vertical-cavity surface-emitting laser emission under different driving and illumination conditions. , 2007, , .		0
119	Versatile and robust chaos synchronization phenomena imposed by delayed shared feedback coupling. Physical Review E, 2007, 76, 045201.	2.1	44
120	Transition to spatially incoherent emission of a broad-area VCSEL: evolution of beam profiles, spectra and coherence properties. , 2007, , .		0
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122	Simultaneous bidirectional message transmission in a chaos-based communication scheme. Optics Letters, 2007, 32, 403.	3.3	147
123	Simultaneous bidirectional message transmission in a chaos-based communication scheme: erratum. Optics Letters, 2007, 32, 1271.	3.3	0
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125	Zero-Lag Long Range Synchronization of Neurons Is Enhanced by Dynamical Relaying. Lecture Notes in Computer Science, 2007, , 904-913.	1.3	2
126	Self-Pulsation Dynamics in Narrow Stripe Semiconductor Lasers. IEEE Journal of Quantum Electronics, 2006, 42, 381-388.	1.9	2

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127	Spatially Resolved Femtosecond Pumpâ€“Probe Spectroscopy in Broad-Area Semiconductor Lasers. IEEE Journal of Quantum Electronics, 2006, 42, 363-371.	1.9	1
128	Zero-Lag Long-Range Synchronization via Dynamical Relaying. Physical Review Letters, 2006, 97, 123902.	7.8	268
129	Speckle Reduction Based on Ultrashort Laser Pulse. Journal of Physics: Conference Series, 2006, 48, 18-22.	0.4	0
130	Nonmodal emission characteristics of broad-area vertical-cavity surface-emitting lasers. , 2006, 6184, 313.		1
131	PULSE PACKAGE DYNAMICS IN VCSELS WITH DELAYED OPTICAL FEEDBACK FROM A SHORT EXTERNAL CAVITY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 353-358.	0.4	0
132	Dynamics of vertical-cavity surface-emitting lasers in the short external cavity regime: Pulse packages and polarization mode competition. Physical Review A, 2006, 73, .	2.5	45
133	Spectral broadband dynamics of semiconductor lasers with resonant short cavities. Physical Review A, 2006, 73, .	2.5	20
134	Determining the temporally and radially resolved temperature distribution inside a pulsed broad-area vertical-cavity surface-emitting laser cavity. Applied Physics Letters, 2006, 89, 151106.	3.3	7
135	Rainbow refractometry with a tailored incoherent semiconductor laser source. Applied Physics Letters, 2006, 89, 091106.	3.3	29
136	Mode locking of lateral modes in broad-area semiconductor lasers by subharmonic optical pulse injection. Applied Physics Letters, 2006, 88, 101110.	3.3	2
137	Episodic Synchronization via Dynamic Injection. Physical Review Letters, 2006, 96, 024102.	7.8	16
138	Bidirectional Message Transmission in a Chain of Three Delay-Coupled Semiconductor Lasers. , 2006, , .		0
139	Synchronization properties of network elements based on mutually delay-coupled semiconductor lasers. , 2006, , .		0
140	Spatiotemporal emission dynamics of a broad-area semiconductor laser in an external cavity: stabilization and feedback-induced instabilities. Optics Communications, 2005, 244, 355-365.	2.1	42
141	Mutually delay-coupled semiconductor lasers: Mode bifurcation scenarios. Optics Communications, 2005, 255, 286-296.	2.1	62
142	Chaos-based communications at high bit rates using commercial fibre-optic links. Nature, 2005, 438, 343-346.	27.8	1,365
143	Farfield dynamics of broad area vertical-cavity surface-emitting lasers: onset of partially coherent emission. , 2005, , .		0
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145	Wave Chaos in Real-World Vertical-Cavity Surface-Emitting Lasers. Physical Review Letters, 2005, 94, 233901.	7.8	54
146	Spatial decoherence of pulsed broad-area vertical-cavity surface-emitting lasers. Optics Express, 2005, 13, 9337.	3.4	33
147	Optical chaos communications (Invited Paper). , 2005, , .		1
148	Synchronization scenario of two distant mutually coupled semiconductor lasers. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, 97-105.	1.4	100
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150	Mode-Locking in Broad-Area Semiconductor Lasers Enhanced by Picosecond-Pulse Injection. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 968-973.	2.9	11
151	A short external cavity semiconductor laser cryptosystem. Comptes Rendus Physique, 2004, 5, 633-642.	0.9	9
152	Femtosecond dynamics of active semiconductor waveguides: microscopic analysis and experimental investigations. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1638.	2.1	8
153	Spatio-temporal emission dynamics of VCSELs: modal competition in the turn-on behavior. , 2004, 5452, 452.		6
154	Dynamical properties of mutually delayed coupled semiconductor lasers. , 2004, , .		6
155	Dynamical scenarios of mutually delay-coupled semiconductor lasers in the short coupling regime. , 2004, , .		9
156	Delay dynamics of semiconductor lasers with short external cavities: Bifurcation scenarios and mechanisms. Physical Review E, 2003, 67, 066214.	2.1	137
157	Control of the spatiotemporal emission of a broad-area semiconductor laser by spatially filtered feedback. Optics Letters, 2003, 28, 1135.	3.3	59
158	Picosecond emission dynamics of vertical-cavity surface-emitting lasers: Spatial, spectral, and polarization-resolved characterization. IEEE Journal of Quantum Electronics, 2003, 39, 850-858.	1.9	20
159	Picosecond turn-on dynamics of vertical-cavity surface-emitting lasers. , 2003, , .		0
160	Influence of the feedback phase on the delay dynamics of semiconductor lasers with short external cavities. , 2003, , .		0
161	Optoelectronic devices for optical chaos communications. , 2003, 5248, 24.		3
162	Coupled semiconductor lasers with delayed optical feedback: Chaos synchronization and its application. , 2003, , .		0

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164	Influence of anisotropies on transverse modes in oxide-confined VCSELs. IEEE Journal of Quantum Electronics, 2002, 38, 73-84.	1.9	54
165	ON/OFF phase shift keying for chaos-encrypted communication using external-cavity semiconductor lasers. IEEE Journal of Quantum Electronics, 2002, 38, 1162-1170.	1.9	106
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169	Chaotic antiphase dynamics and synchronization in multimode semiconductor lasers. Physical Review A, 2001, 64, .	2.5	62
170	Dynamics of Semiconductor Lasers Subject to Delayed Optical Feedback: The Short Cavity Regime. Physical Review Letters, 2001, 87, 243901.	7.8	191
171	Transverse modes in thermally detuned oxide-confined vertical-cavity surface-emitting lasers. Physical Review A, 2001, 63, .	2.5	29
172	Dynamical behavior of two distant mutually coupled semiconductor lasers. , 2001, 4283, 293.		2
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177	Synchronization of chaotic semiconductor laser dynamics on subnanosecond time scales and its potential for chaos communication. Physical Review A, 2000, 62, .	2.5	296
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179	Polarization selective symmetry breaking in the near-fields of vertical cavity surface emitting lasers. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 517-525.	1.4	24
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182	Spatiotemporal emission dynamics of ridge waveguide laser diodes: picosecond pulsing and switching. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 2015.	2.1	7
183	Transverse modes in oxide confined VCSELs: Influence of pump profile, spatial hole burning, and thermal effects. Optics Express, 1999, 5, 38.	3.4	124
184	Statistical properties of low-frequency fluctuations during single-mode operation in distributed-feedback lasers:?experiments and modeling. Optics Letters, 1999, 24, 1275.	3.3	41
185	Statistical studies of semiconductor lasers with delayed optical feedback. , 1999, 3625, 668.		0
186	Coexistence of low-frequency fluctuations and stable emission on a single high-gain mode in semiconductor lasers with external optical feedback. Physical Review A, 1998, 58, R2672-R2675.	2.5	103
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189	Nonlinear spatio-temporal emission dynamics of broad area laser diodes. , 1998, , 362-369.		2
190	Mechanism of the LFF phenomenon in the coherence collapse of semiconductor lasers: there is hope for Sisyphus!. , 1998, , .		3
191	<title>Spatiotemporal dynamics in the near field of a 980-nm ridge waveguide pump laser diode</title>. , 1997, , .		2
192	Fast Pulsing and Chaotic Itinerancy with a Drift in the Coherence Collapse of Semiconductor Lasers. Physical Review Letters, 1996, 76, 220-223.	7.8	235
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195	Spatio-temporal chaos of a semiconductor laser in a T-shaped cavity. , 0, , .		0
196	Spatiotemporal picosecond turn-on dynamics of broad area semiconductor lasers. , 0, , .		0
197	Modelocking Of Multisegment Semiconductor Lasers At A Repetition Frequency of 10 GHz for high-speed optical communication systems. , 0, , .		0
198	Picosecond near- and far-field dynamics of a gain-guided broad area laser. , 0, , .		0

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200	Dynamical behavior of mutually-coupled semiconductor lasers: modelling and simulations. , 0, , .		0
201	Dynamical behavior of mutually coupled semiconductor lasers: experimental investigations. , 0, , .		0
202	High power tunable dual-wavelength operation of an external cavity diode laser for THz generation. , 0, , .		0
203	Stabilization of the emission dynamics of a broad area laser by optical feedback. , 0, , .		0
204	Enhanced self-mode-locking in broad area semiconductor lasers by pulse injection. , 0, , .		0
205	Direct Generation of 50 ps-Pulses from an External Cavity Diode Laser Yielding 200 mW Average Output Power. , 0, , .		0
206	Ps-pulse generation by self-induced modelocking of a high power broad area diode laser in an external resonator. , 0, , .		0
207	Coherence properties of a short external cavity semiconductor laser system: design of a light source with widely tunable coherence length. , 0, , .		0
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