Laurent Larger

List of Publications by Year
in descending order

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202	8,443	53660 45	45213 90
papers	citations	h-index	g-index

203	203	203	3670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chaos-based communications at high bit rates using commercial fibre-optic links. Nature, 2005, 438, 343-346.	13.7	1,365
2	Photonic information processing beyond Turing: an optoelectronic implementation of reservoir computing. Optics Express, 2012, 20, 3241.	1.7	619
3	Optical Cryptosystem Based on Synchronization of Hyperchaos Generated by a Delayed Feedback Tunable Laser Diode. Physical Review Letters, 1998, 80, 2249-2252.	2.9	419
4	Virtual Chimera States for Delayed-Feedback Systems. Physical Review Letters, 2013, 111, 054103.	2.9	279
5	Reinforcement learning in a large-scale photonic recurrent neural network. Optica, 2018, 5, 756.	4.8	250
6	High-Speed Photonic Reservoir Computing Using a Time-Delay-Based Architecture: Million Words per Second Classification. Physical Review X, 2017, 7, .	2.8	241
7	Photonic Nonlinear Transient Computing with Multiple-Delay Wavelength Dynamics. Physical Review Letters, 2012, 108, 244101.	2.9	162
8	Optoelectronic reservoir computing: tackling noise-induced performance degradation. Optics Express, 2013, 21, 12.	1.7	160
9	Compact optoelectronic microwave oscillators using ultra-high Q whispering gallery mode disk-resonators and phase modulation. Optics Express, 2010, 18, 22358.	1.7	159
10	Laser chimeras as a paradigm for multistable patterns in complex systems. Nature Communications, 2015, 6, 7752.	5.8	156
11	Nonlocal Nonlinear Electro-Optic Phase Dynamics Demonstrating 10 Gb/s Chaos Communications. IEEE Journal of Quantum Electronics, 2010, 46, 1430-1435.	1.0	151
12	Optoelectronic chaos. Nature, 2010, 465, 41-42.	13.7	137
13	Real-time full bandwidth measurement of spectral noise in supercontinuum generation. Scientific Reports, 2012, 2, 882.	1.6	137
14	Chaotic Breathers in Delayed Electro-Optical Systems. Physical Review Letters, 2005, 95, 203903.	2.9	127
15	Azimuthal Turing Patterns, Bright and Dark Cavity Solitons in Kerr Combs Generated With Whispering-Gallery-Mode Resonators. IEEE Photonics Journal, 2013, 5, 6100409-6100409.	1.0	127
16	Optical communication with synchronized hyperchaos generated electrooptically. IEEE Journal of Quantum Electronics, 2002, 38, 1178-1183.	1.0	119
17	Routes to chaos and multiple time scale dynamics in broadband bandpass nonlinear delay electro-optic oscillators. Physical Review E, 2009, 79, 026208.	0.8	116
18	Digital Key for Chaos Communication Performing Time Delay Concealment. Physical Review Letters, 2011, 107, 034103.	2.9	116

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19	Dynamic instabilities of microwaves generated with optoelectronic oscillators. Optics Letters, 2007, 32, 2571.	1.7	115
20	Optimally Coherent Kerr Combs Generated with Crystalline Whispering Gallery Mode Resonators for Ultrahigh Capacity Fiber Communications. Physical Review Letters, 2015, 114, 093902.	2.9	110
21	Optoelectronic oscillators with time-delayed feedback. Reviews of Modern Physics, 2019, 91, .	16.4	106
22	Cracking chaos-based encryption systems ruled by nonlinear time delay differential equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 308, 54-60.	0.9	97
23	Generation of Ultralow Jitter Optical Pulses Using Optoelectronic Oscillators With Time-Lens Soliton-Assisted Compression. Journal of Lightwave Technology, 2009, 27, 5160-5167.	2.7	95
24	Optical encryption system using hyperchaos generated by an optoelectronic wavelength oscillator. Physical Review E, 1998, 57, 6618-6624.	0.8	94
25	Communicating with hyperchaos: The dynamics of a DNLF emitter and recovery of transmitted information. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2003, 95, 114-118.	0.2	91
26	Tutorial: Photonic neural networks in delay systems. Journal of Applied Physics, 2018, 124, .	1.1	91
27	Real time noise and wavelength correlations in octave-spanning supercontinuum generation. Optics Express, 2013, 21, 18452.	1.7	87
28	Contribution of Laser Frequency and Power Fluctuations to the Microwave Phase Noise of Optoelectronic Oscillators. Journal of Lightwave Technology, 2010, 28, 2730-2735.	2.7	85
29	Electro-optic delay oscillator with nonlocal nonlinearity: Optical phase dynamics, chaos, and synchronization. Physical Review E, 2009, 80, 026207.	0.8	77
30	Three-dimensional waveguide interconnects for scalable integration of photonic neural networks. Optica, 2020, 7, 640.	4.8	77
31	Nonlinear Dynamics and Spectral Stability of Optoelectronic Microwave Oscillators. IEEE Journal of Quantum Electronics, 2008, 44, 858-866.	1.0	76
32	Complexity in electro-optic delay dynamics: modelling, design and applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120464.	1.6	74
33	Time delay identification in chaotic cryptosystems ruled by delay-differential equations. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2005, 72, 373.	0.2	71
34	Determination of Phase Noise Spectra in Optoelectronic Microwave Oscillators: A Langevin Approach. IEEE Journal of Quantum Electronics, 2009, 45, 178-186.	1.0	69
35	Optical rogue waves in whispering-gallery-mode resonators. Physical Review A, 2014, 89, .	1.0	68
36	Electro-optical chaos for multi-10â€…Gbitâˆ•s optical transmissions. Electronics Letters, 2004, 40, 898.	0.5	67

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37	Encryption using chaotic dynamics for optical telecommunications. Comptes Rendus Physique, 2004, 5, 609-611.	0.3	62
38	Communicating with Optical Hyperchaos: Information Encryption and Decryption in Delayed Nonlinear Feedback Systems. Physical Review Letters, 2001, 86, 1892-1895.	2.9	59
39	Ikeda-based nonlinear delayed dynamics for application to secure optical transmission systems using chaos. Comptes Rendus Physique, 2004, 5, 669-681.	0.3	58
40	Chaos in wavelength with a feedback tunable laser diode. Physical Review E, 1998, 57, 2795-2798.	0.8	57
41	Parabolic pulse generation in comb-like profiled dispersion decreasing fibre. Electronics Letters, 2006, 42, 965.	0.5	54
42	Chaotic oscillator in wavelength: a new setup for investigating differential difference equations describing nonlinear dynamics. IEEE Journal of Quantum Electronics, 1998, 34, 594-601.	1.0	51
43	Subcritical Hopf bifurcation in dynamical systems described by a scalar nonlinear delay differential equation. Physical Review E, 2004, 69, 036210.	0.8	49
44	Kerr optical frequency comb generation in strontium fluoride whispering-gallery mode resonators with billion quality factor. Optics Letters, 2015, 40, 1567.	1.7	49
45	Mixed-mode oscillations in slow-fast delayed optoelectronic systems. Physical Review E, 2015, 91, 012902.	0.8	47
46	Mismatch-induced bit error rate in optical chaos communications using semiconductor lasers with electrooptical feedback. IEEE Journal of Quantum Electronics, 2005, 41, 156-163.	1.0	45
47	Versatile and robust chaos synchronization phenomena imposed by delayed shared feedback coupling. Physical Review E, 2007, 76, 045201.	0.8	44
48	On the Phase Noise Performance of Nonlinear Double-Loop Optoelectronic Microwave Oscillators. IEEE Journal of Quantum Electronics, 2012, 48, 1415-1423.	1.0	44
49	Time-Domain Dynamics and Stability Analysis of Optoelectronic Oscillators Based on Whispering-Gallery Mode Resonators. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1-12.	1.9	44
50	Chaos shift keying with an optoelectronic encryption system using chaos in wavelength. IEEE Journal of Quantum Electronics, 2001, 37, 849-855.	1.0	42
51	Ikeda Hopf bifurcation revisited. Physica D: Nonlinear Phenomena, 2004, 194, 49-64.	1.3	42
52	Effect of parameter mismatch on the synchronization of chaotic semiconductor lasers with electro-optical feedback. Physical Review E, 2004, 69, 056226.	0.8	41
53	Effect of Fiber Dispersion on Broadband Chaos Communications Implemented by Electro-Optic Nonlinear Delay Phase Dynamics. Journal of Lightwave Technology, 2010, 28, 2688-2696.	2.7	41
54	Strongly asymmetric square waves in a time-delayed system. Physical Review E, 2012, 86, 055201.	0.8	40

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55	Slowâ€“fast dynamics of a time-delayed electro-optic oscillator. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120459.	1.6	39
56	Applications of the optical fiber to the generation and measurement of low-phase-noise microwave signals. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 2140.	0.9	38
57	Incoherent resonant seeding of modulation instability in optical fiber. Optics Letters, 2013, 38, 5338.	1.7	35
58	Effects of gain and bandwidth on the multimode behavior of optoelectronic microwave oscillators. Optics Express, 2008, 16, 9067.	1.7	34
59	From Flow to Map in an Experimental High-Dimensional Electro-Optic Nonlinear Delay Oscillator. Physical Review Letters, 2005, 95, 043903.	2.9	33
60	Security of Y-00 under heterodyne measurement and fast correlation attack. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 356, 406-410.	0.9	33
61	Brain-inspired computational paradigm dedicated to fault diagnosis of PEM fuel cell stack. International Journal of Hydrogen Energy, 2017, 42, 5410-5425.	3.8	33
62	Stochastic nonlinear time series forecasting using time-delay reservoir computers: Performance and universality. Neural Networks, 2014, 55, 59-71.	3.3	32
63	Bandpass chaotic dynamics of electronic oscillator operating with delayed nonlinear feedback. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1006-1009.	0.1	31
64	3D printed multimode-splitters for photonic interconnects. Optical Materials Express, 2020, 10, 2952.	1.6	31
65	Delayed dynamical systems: networks, chimeras and reservoir computing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180123.	1.6	30
66	Transmission system using chaotic delays between lightwaves. IEEE Journal of Quantum Electronics, 2003, 39, 931-935.	1.0	29
67	Coupled Nonlinear Delay Systems as Deep Convolutional Neural Networks. Physical Review Letters, 2019, 123, 054101.	2.9	29
68	Optimal nonlinear information processing capacity in delay-based reservoir computers. Scientific Reports, 2015, 5, 12858.	1.6	27
69	Efficient design of hardware-enabled reservoir computing in FPGAs. Journal of Applied Physics, 2018, 124, .	1.1	27
70	An Echo State Network for fuel cell lifetime prediction under a dynamic micro-cogeneration load profile. Applied Energy, 2021, 283, 116297.	5.1	27
71	Distinguishing fingerprints of hyperchaotic and stochastic dynamics in optical chaos from a delayed opto-electronic oscillator. Optics Letters, 2011, 36, 2212.	1.7	26
72	Crenelated fast oscillatory outputs of a two-delay electro-optic oscillator. Physical Review E, 2012, 85, 026206.	0.8	26

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73	Noise and Chaos Contributions in Fast Random Bit Sequence Generated From Broadband Optoelectronic Entropy Sources. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 888-901.	3.5	26
74	Estimation of the uncertainty for a phase noise optoelectronic metrology system. Physica Scripta, 2012, T149, 014025.	1.2	25
75	Fundamental aspects of noise in analog-hardware neural networks. Chaos, 2019, 29, 103128.	1.0	25
76	Demonstration of a chaos generator with two time delays. Optics Letters, 2004, 29, 325.	1.7	24
77	Multi-Gbit/s optical phase chaos communications using a time-delayed optoelectronic oscillator with a three-wave interferometer nonlinearity. Chaos, 2017, 27, 114311.	1.0	23
78	Dependence of quality factor on surface roughness in crystalline whispering-gallery mode resonators. Optics Letters, 2018, 43, 495.	1.7	23
79	Theoretical and experimental study of slow-scale Hopf limit-cycles in laser-based wideband optoelectronic oscillators. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2310.	0.9	22
80	Two-dimensional spatiotemporal complexity in dual-delayed nonlinear feedback systems: Chimeras and dissipative solitons. Chaos, 2018, 28, 103106.	1.0	21
81	Wideband chaos generation using a delayed oscillator and a two-dimensional nonlinearity induced by a quadrature phase-shift-keying electro-optic modulator. Optics Letters, 2011, 36, 2833.	1.7	20
82	Microwave Photonics Systems Based on Whispering-gallery-mode Resonators. Journal of Visualized Experiments, 2013, , .	0.2	20
83	Diffractive Coupling For Photonic Networks: How Big Can We Go?. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-8.	1.9	19
84	Realization of a Phase Noise Measurement Bench Using Cross Correlation and Double Optical Delay Line. Acta Physica Polonica A, 2007, 112, 1107-1111.	0.2	19
85	Magnesium Fluoride Whispering Gallery Mode Disk-Resonators for Microwave Photonics Applications. IEEE Photonics Technology Letters, 2010, , .	1.3	18
86	Multi-Reservoir Echo State Network for Proton Exchange Membrane Fuel Cell Remaining Useful Life prediction. , 2018, , .		18
87	FPGA Design for Pseudorandom Number Generator Based on Chaotic Iteration used in Information Hiding Application. Applied Mathematics and Information Sciences, 2013, 7, 2175-2188.	0.7	18
88	Chaos in coherence modulation: bifurcations of an oscillator generating optical delay fluctuations. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 1063.	0.9	17
89	Chaotic Oscillations of the Optical Phase for Multigigahertz-Bandwidth Secure Communications. IEEE Journal of Quantum Electronics, 2004, 40, 294-298.	1.0	17
90	Random walks and random numbers from supercontinuum generation. Optics Express, 2012, 20, 11143.	1.7	17

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91	Understanding and mitigating noise in trained deep neural networks. Neural Networks, 2022, 146, 151-160.	3.3	17
92	Nonlinear Memory Capacity of Parallel Time-Delay Reservoir Computers in the Processing of Multidimensional Signals. Neural Computation, 2016, 28, 1411-1451.	1.3	13
93	Chaotic dynamics of oscillators based on circuits with VCO and nonlinear delayed feedback. Electronics Letters, 2000, 36, 199.	0.5	12
94	Optimised one-step compression of femtosecond fibre laser soliton pulses around 1550â€…nm to below 30â€…fs in highly nonlinear fibre. Electronics Letters, 2007, 43, 915.	0.5	12
95	Barium fluoride and lithium fluoride whispering-gallery-mode resonators for photonics applications. Optical Engineering, 2014, 53, 071821.	0.5	12
96	Dynamical complexity and computation in recurrent neural networks beyond their fixed point. Scientific Reports, 2018, 8, 3319.	1.6	12
97	Boolean learning under noise-perturbations in hardware neural networks. Nanophotonics, 2020, 9, 4139-4147.	2.9	12
98	Radio transmission system using FM high dimensional chaotic oscillator. Electronics Letters, 2001, 37, 594.	0.5	11
99	Ikeda-like chaos on a dynamically filtered supercontinuum light source. Physical Review A, 2016, 94, .	1.0	11
100	Fuel Cells Fault Diagnosis under Dynamic Load Profile Using Reservoir Computing. , 2016, , .		10
101	Optical Mini-Disk Resonator Integrated into a Compact Optoelectronic Oscillator. Acta Physica Polonica A, 2009, 116, 661-663.	0.2	9
102	Two-color optically addressed spatial light modulator as a generic spatiotemporal system. Chaos, 2021, 31, 121104.	1.0	9
103	Dynamics of non-linear feedback systems with short time-delays. Optics Communications, 2001, 195, 187-196.	1.0	8
104	Optoelectronic phase chaos generator for secure communication. Journal of Optical Technology (A) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.2	8
105	Consistency in experiments on multistable driven delay systems. Chaos, 2016, 26, 103115.	1.0	8
106	Delay-time identification in chaotic optical systems with two delays. , 2006, , .		7
107	Experimental chaotic map generated by picosecond laser pulse-seeded electro-optic nonlinear delay dynamics. Chaos, 2008, 18, 013110.	1.0	7
108	Reservoir Computing Optimisation for PEM Fuel Cell Fault Diagnostic. , 2017, , .		7

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109	Interaction between LiÃ©nard and Ikeda dynamics in a nonlinear electro-optical oscillator with delayed bandpass feedback. Physical Review E, 2016, 94, 062208.	0.8	6
110	Synchronisation and communication with regularly clocked optoelectronic discrete time chaos. Electronics Letters, 2008, 44, 764.	0.5	5
111	Experimental characterization of optoelectronic oscillators based on optical mini-resonators. , 2013, , .		5
112	Fault Diagnosis of PEMFC Systems in the Model Space Using Reservoir Computing. , 2018, , .		5
113	Measurement of the laser relative intensity noise. , 2009, , .		4
114	Advancing Fourier: spaceâ€“time concepts in ultrafast optics, imaging, and photonic neural networks. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, C69.	0.8	4
115	Nonlinear photonic dynamical systems for unconventional computing. Nonlinear Theory and Its Applications IEICE, 2022, 13, 26-35.	0.4	4
116	Optoelectronic devices for optical chaos communications. , 2003, 5248, 24.		3
117	RF-Interferences Generate Chaotic GHz FMâ€”Carrier for Communications. IEEE Journal of Quantum Electronics, 2007, 43, 426-433.	1.0	3
118	Time delay extraction in chaotic cryptosystems based on optoelectronic feedback with variable delay. , 2008, , .		3
119	Towards optoelectronic architectures for integrated neuromorphic computers. , 2014, , .		3
120	Influence of digitisation on masterâ€“slave synchronisation in chaos-encrypted data transmission. IET Optoelectronics, 2007, 1, 3-8.	1.8	2
121	Operating Conditions Control for Extending Proton Exchange Membrane Fuel Cell Lifetime. , 2017, , .		2
122	Reinforcement Learning in a Large Scale Photonic Network. , 2018, , .		2
123	Secure optical telecommunications using chaos in wavelength for signal transmission. , 1997, , .		1
124	Laser cryptography by optical chaos. , 2003, 5135, 14.		1
125	Optical chaos communications (Invited Paper). , 2005, , .		1
126	Route to chaos in an opto-electronic system. , 0, , .		1

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127	Cryptanalysis of Y-00 under Heterodyne Measurement and Fast Correlation Attack.. , 2006, , .		1
128	Nonlinear dynamics reconstruction of chaotic cryptosystems based on delayed optoelectronic feedback. , 2007, , .		1
129	PHASE AND FREQUENCY NOISE METROLOGY. , 2009, , .		1
130	Compact optoelectronic oscillators using WGM modes on fused silica and MgF 2 mini-disks resonators. Proceedings of SPIE, 2010, , .	0.8	1
131	Field experiment optical chaos communication @ 10Gb/s demonstrating electro-optic phase chaos principles. , 2011, , .		1
132	Optoelectronic phase noise system designed for microwaves photonics sources measurements in metrology application. Proceedings of SPIE, 2011, , .	0.8	1
133	Temporally nonlocal dual delay electro-optic phase dynamics, and its bifurcation scenario. , 2012, , .		1
134	10 GHz bandwidth nonlinear delay electro-optic phase dynamics for ultrafast nonlinear transient computing. , 2013, , .		1
135	Experimental study of a crystalline-resonator based optoelectronic oscillator. , 2013, , .		1
136	Stochastic Nonlinear Time Series Forecasting Using Time-Delay Reservoir Computers: Performance and Universality. SSRN Electronic Journal, 0, , .	0.4	1
137	Time-Delay Reservoir Computers and High-Speed Information Processing Capacity. , 2016, , .		1
138	MODELLING NONLINEAR OPTICS PHENOMENA USING DELAY DIFFERENTIAL EQUATIONS. , 2005, , .		1
139	Demonstration of multistability and chaos in wavelength in tunable laser diodes. , 0, , .		0
140	Optical communications using synchronized hyperchaos. , 0, , .		0
141	<title>Secure optical telecommunications using chaos in wavelength for signal transmissions</title>. , 1999, , .		0
142	Super and sub-critical Hopf bifurcation leading to chaos: theory and experiments. , 0, , .		0
143	General architecture for opto-electronic oscillators dedicated to high speed chaos encryption system. , 2003, , .		0
144	From Ikeda ring cavity to optoelectronic setups dedicated to chaos-based secure communications. , 2004, 5452, 381.		0

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145	Electro-optic nonlinear oscillator for ultra-fast secure chaos communication. , 2004, , .		0
146	Effect of chaotic noise on the performance of optical chaos cryptosystems. , 2005, , .		0
147	Hyperchaotic breathers in semiconductor lasers with electro-optical feedbak. , 0, , .		0
148	Electro-optic chaotic mapping for physical layer encryption. , 0, , .		0
149	Optoelectronic RF-interferometer for chaos-based secure radiocommunications. , 0, , .		0
150	Influence of mismatch noise on the bit error-rate performance of an optical chaos cryptosystem. , 0, , .		0
151	DELAYED OPTOELECTRONIC RF-INTERFERENCES FOR CHAOS COMMUNICATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 347-352.	0.4	0
152	FAST-SCALE HYPERCHAOS ON TOP OF SLOW-SCALE PERIODICITY IN DELAYED DYNAMICAL SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 365-370.	0.4	0
153	Fast-Scale Chaos on Top of Slow-Scale Periodicity in Semiconductor Lasers with Electro-Optical Feedback. , 2006, , .		0
154	Dynamical instabilities in opto-electronic ultra-pure microwave generators. , 2007, , .		0
155	Security Improvement for CSK via Breaking Time Correlation among State Variables. , 2008, , .		0
156	GHz micro-modulators for telecommunications based on SrBaNb₂O₆ and KTaNbO₃ bulk crystals. , 2009, , .		0
157	10 GHz ultralow jitter optical pulse stream generated by optoelectronic delay oscillators with soliton compression. , 2009, , .		0
158	Electro-optic nonlinear phase dynamics, chaos generation, and cancellation. , 2009, , .		0
159	Nonlinear Delayed Differential Optical Phase Feedback For High Performance Chaos Communications. , 2010, , .		0
160	Chaotic optical phase generated by electro-optic and optoelectronic nonlinear and nonlocal delayed feedback: Successful field experiment at 10 Gb/s. , 2010, , .		0
161	Microwave photonic filter tuning by varying the optical link length. , 2010, , .		0
162	Noise analysis of the opto-electronic microwave oscillator (OEO). , 2010, , .		0

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163	Investigation in compact optoelectronic oscillator with mini-disk resonator. , 2010, , .		0
164	Delay electro-optic dynamics for brain inspired information processing. , 2011, , .		0
165	Digital key chaos-communication systems with delay time concealment. , 2011, , .		0
166	Photonic filtering of microwave signals in the frequency range of 0.01-20 GHz using a Fabry-Perot filter. Journal of Physics: Conference Series, 2011, 274, 012014.	0.3	0
167	Incoherent fibre supercontinuum generation for all-optical random number generation. , 2011, , .		0
168	Square-wave oscillations with different duty cycles. , 2011, , .		0
169	Compact optoelectronic oscillator using whispering gallery mode resonators for radio-frequency and millimeter wave generation. Proceedings of SPIE, 2011, , .	0.8	0
170	Resonance measurements techniques of optical whispering gallery mode mini-disc resonators for microwave photonics applications. Proceedings of SPIE, 2011, , .	0.8	0
171	Computational performance of a single bandpass electro-optic delay oscillator. , 2011, , .		0
172	Multiple delay nonlinear wavelength dynamics for photonic Reservoir Computing. , 2011, , .		0
173	Discriminating chaotic and stochastic dynamics in an optoelectronic oscillator with delayed feedback. , 2011, , .		0
174	Real time spectra and wavelength correlation maps: New insights into octave-spanning supercontinuum generation and rogue waves. , 2013, , .		0
175	Phase noise performance of double-loop optoelectronic microwave oscillators. , 2013, , .		0
176	Nonlinear dynamics of optoeletronic oscillators based on whispering-gallery mode resonators. , 2013, , .		0
177	On phase locking phenomena in Kerr combs. , 2013, , .		0
178	Temporal dynamics of Kerr frequency combs in whispering-gallery mode resonators. Proceedings of SPIE, 2013, , .	0.8	0
179	Dispersive time stretching measurements of real-time spectra and statistics for supercontinuum generation around 1550 nm. , 2013, , .		0
180	Demonstration of nonlocal dispersion cancelled two-photon Bessel interference in frequency domain. , 2013, , .		0

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181	Optoelectronic nonlinear transient computing with multiple delays. , 2013, , .		0
182	Kerr frequency combs in the normal and anomalous regimes. , 2013, , .		0
183	On the metrological performances of optoelectronic oscillators based on whispering gallery mode resonators. Proceedings of SPIE, 2014, , .	0.8	0
184	Kerr comb generation from the perspective of spatial dissipative structures. Proceedings of SPIE, 2014, , .	0.8	0
185	Experimental study of mixed-mode in laser-based optoelectronic oscillators based on van der Pol oscillators with intermediate frequencies. , 2015, , .		0
186	A complex network of 1600 holographically coupled opto-electronic oscillators: Network dynamics and utilisation for reservoir computing. , 2017, , .		0
187	Embedding in Neural Networks: A-Priori Design of Hybrid Computers for Prediction. , 2017, , .		0
188	Noise and Consistency of Analogue Spatio-Temporal Photonic Neural Networks. , 2019, , .		0
189	Scaling Laws and Topology-Properties of Boolean Reinforcement Learning in Photonic Neural Networks. , 2019, , .		0
190	Reinforcement Learning in a Large Scale Photonic Network. , 2019, , .		0
191	6. Ikeda delay dynamics as Reservoir processors. , 2019, , 153-184.		0
192	3D-printed core-cladding waveguides and adiabatic splitters for integrated photonic circuits. , 2021, , .		0
193	Scalable photonic splitters based on 3D laser lithography. , 2021, , .		0
194	3D printed interconnects of photonic waveguides. , 2021, , .		0
195	Optoelectronic delay dynamics: from optical chaos communication to high purity microwave oscillators. Annales De Physique, 2007, 32, 39-44.	0.2	0
196	A Novel Photonics Approach to Unconventional Information Processing. , 2012, , .		0
197	Mixing of analogue and digital entropies for optical chaos communications. IEICE Proceeding Series, 2014, 1, 332-335.	0.0	0
198	Bifurcation analysis of Kerr optical frequency comb generation. IEICE Proceeding Series, 2014, 1, 779-782.	0.0	0

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199	Reinforcement Learning in a Large Scale Photonic Network. , 2018, , .		0
200	Reservoir-Size Dependent Learning in Analogue Neural Networks. Lecture Notes in Computer Science, 2019, , 184-192.	1.0	0
201	Reinforcement Learning in a Large Scale Photonic Network. , 2019, , .		0
202	Femtosecond laser preforming of millimeter-scale whispering gallery mode resonant disks from crystalline substrate. , 0, , .		0