Marco Peccianti

List of Publications by Year
in descending order

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286 papers	9,053 citations	36299 51 h-index	42393 92 g-index
291 all docs	291 docs citations	291 times ranked	3762 citing authors

#	Article	IF	Citations
1	Frontiers in Photonics Spot Light. Frontiers in Photonics, 2022, 3, .	2.4	0
2	THz-photonics transceivers by all-dielectric phonon-polariton nonlinear nanoantennas. Scientific Reports, 2022, 12, 4590.	3.3	17
3	User-friendly, reconfigurable all-optical signal processing with integrated photonics. , 2022, , .		0
4	Real-Time Study of Coexisting States in Laser Cavity Solitons. , 2021, , .		0
5	Terahertz Emission from Ultrafast Time-Varying Metamaterials. , 2021, , .		1
6	Grand Challenges in Photonics: Route to Light. Frontiers in Photonics, 2021, 1, .	2.4	1
7	Temporal cavity solitons in a laser-based microcomb: a path to a self-starting pulsed laser without saturable absorption. Optics Express, 2021, 29, 6629.	3.4	9
8	Laser cavity solitons and turing patterns in microresonator filtered lasers: Properties and perspectives. , 2021, , .		2
9	Subwavelength Video-Rate Terahertz Carrier Microscopy. , 2021, , .		0
10	Quantum Interference Terahertz Generation from ZnTe. , 2021, , .		0
11	Deterministic spatiotemporal focusing of terahertz waves through scattering media. , 2021, , .		0
12	Self-Starting Temporal Cavity Solitons in a Laser-based Microcomb. , 2021, , .		0
13	Terahertz Sources Based on Time-Dependent Metasurfaces. , 2021, , .		0
14	Emergence of Laser Cavity-Solitons in a Microresonator-Filtered Fiber Laser. , 2021, , .		0
15	Real-Time Study of Coexisting States in Laser Cavity Solitons. , 2021, , .		0
16	Phase-matching-free Two-color Terahertz Emission from Quasi-2D media. , 2021, , .		0
17	Emergence of Laser Cavity-Solitons in a Microresonator-Filtered Fiber Laser. , 2021, , .		0
18	Terahertz emission mediated by ultrafast time-varying metasurfaces. Physical Review Research, 2021, 3, .	3.6	3

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19	Terahertz Near-Field Hot Carrier Microscopy. , 2021, , .		0
20	Real-Time Study of Coexisting States in Laser Cavity Solitons. , 2021, , .		0
21	Spontaneous Emergence of Microresonator Laser Cavity- Solitons. , 2021, , .		0
22	Full-field spatio-temporal shaping via space-time coupling in random media. , 2021, , .		0
23	Time-resolved control of terahertz waves in random media. , 2021, , .		0
24	All-Optical Two-Color Terahertz Emission from Quasi-2D Nonlinear Surfaces. Physical Review Letters, 2020, 125, 263901.	7.8	7
25	Optical multi-stability in a nonlinear high-order microring resonator filter. APL Photonics, 2020, 5, .	5.7	13
26	Turing patterns in a fiber laser with a nested microresonator: Robust and controllable microcomb generation. Physical Review Research, 2020, 2, .	3.6	42
27	Hyperspectral terahertz microscopy via nonlinear ghost imaging. Optica, 2020, 7, 186.	9.3	132
28	Route to Intelligent Imaging Reconstruction via Terahertz Nonlinear Ghost Imaging. Micromachines, 2020, 11, 521.	2.9	40
29	Stability properties of temporal cavity solitons in laser micro-cavity based frequency combs. , 2020, , .		0
30	Hyperspectral THz Microscopy via Time-resolved Nonlinear Ghost Imaging. , 2020, , .		0
31	Terahertz Hyperspectral Microscopy via Nonlinear Ghost Imaging. , 2020, , .		0
32	Laser Cavity Solitons and Turing Patterns in Microresonator Filtered Lasers. , 2020, , .		0
33	Charge Transfer Hybrids of Graphene Oxide and the Intrinsically Microporous Polymer PIM-1. ACS Applied Materials & Interfaces, 2019, 11, 31191-31199.	8.0	9
34	Self-Healing Dynamically Controllable Micro-Comb. , 2019, , .		0
35	Hyperspectral Single-Pixel Reconstruction at THz Frequencies using Time-Resolved Nonlinear Ghost Imaging. , 2019, , .		0
36	Two-Colour Surface Optical Rectification: Route to All-Optical Control of Terahertz Emission from Quasi-2D Structures. , 2019, , .		0

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37	Optically-Induced Dynamic Terahertz Metamaterials. , 2019, , .		0
38	Customizing Supercontinuum Generation Via Adaptive On-Chip Pulse Splitting. , 2019, , .		0
39	Surface-Field Terahertz Emission Enhancement via 2D-Materials. , 2019, , .		0
40	Terahertz control of air lasing. Physical Review A, 2019, 99, .	2.5	4
41	Laser cavity-soliton microcombs. Nature Photonics, 2019, 13, 384-389.	31.4	169
42	Observation of Laser-Cavity Solitons in Micro-Resonators. , 2019, , .		0
43	Thermo-Optical Pulsing in a Resonator-Based Laser. , 2019, , .		0
44	Thermo-optical pulsing in a microresonator filtered fiber-laser: a route towards all-optical control and synchronization. Optics Express, 2019, 27, 19242.	3.4	12
45	Surface Terahertz Emission from 2D-flakes micro-junctions. , 2019, , .		0
46	Terahertz Time-Dependent Random Metamaterials. , 2019, , .		0
47	Time-resolved nonlinear ghost imaging: Route to hyperspectral single-pixel reconstruction of complex samples at THz frequencies. , 2019, , .		0
48	High-energy terahertz surface optical rectification. Nano Energy, 2018, 46, 128-132.	16.0	24
49	Micro-combs: A novel generation of optical sources. Physics Reports, 2018, 729, 1-81.	25.6	448
50	Robust controllable FD-FWM based Micro-combs. , 2018, , .		0
51	Customizing supercontinuum generation via on-chip adaptive temporal pulse-splitting. Nature Communications, 2018, 9, 4884.	12.8	59
52	Invited Article: Ultra-broadband terahertz coherent detection via a silicon nitride-based deep sub-wavelength metallic slit. APL Photonics, 2018, 3, 110805.	5.7	11
53	Numerical and Experimental Time-Domain Characterization of Terahertz Conducting Polymers. IEEE Photonics Technology Letters, 2018, 30, 1579-1582.	2.5	6
54	Type-II micro-comb generation in a filter-driven four wave mixing laser [Invited]. Photonics Research, 2018, 6, B67.	7.0	33

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55	Time-Resolved Nonlinear Ghost Imaging. ACS Photonics, 2018, 5, 3379-3388.	6.6	80
56	Quantitative diagnostics of ancient paper using THz time-domain spectroscopy. Microchemical Journal, 2018, 142, 54-61.	4.5	9
57	Silicon nitride-based deep sub-î» slit for ultra-broadband THz coherent detection. , 2018, , .		1
58	Nonlinear Surface THz-optical mechanism at extreme excitations. , 2018, , .		0
59	Photo-induced THz Plasmonics in Black Silicon. , 2018, , .		0
60	Characterization of High-Speed Balanced Photodetectors. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1613-1620.	4.7	3
61	Optical Pump Rectification Emission: Route to Terahertz Free-Standing Surface Potential Diagnostics. Scientific Reports, 2017, 7, 9805.	3.3	19
62	Terahertz Absorption by Cellulose: Application to Ancient Paper Artifacts. Physical Review Applied, 2017, 7, .	3.8	32
63	Frequency comb assisted characterisation of a filter-driven four wave mixing laser. , 2017, , .		0
64	Type II microcomb generation in a filter-driven four wave mixing laser. , 2017, , .		0
65	Dynamically unstable regimes and chaos control through Four Wave Mixing in Ring Microresonators. , 2017, , .		1
66	Solid-state-biased coherent detection of ultra-broadband terahertz pulses. Optica, 2017, 4, 1358.	9.3	27
67	Affordable, ultra-broadband coherent detection of terahertz pulses via CMOS-compatible solid-state devices. , 2017, , .		0
68	Novel frontiers in the stabilization of FD-FWM microcombs. , 2017, , .		0
69	Thermal instability control by four wave mixing in optical microcavities. , 2017, , .		0
70	Mapping of surface field via nonlinear optical pump rectification emission. , 2017, , .		0
71	Repetition rate controllable filter-driven four wave mixing laser. , 2017, , .		1
72	Parametric control of thermal self-pulsation in micro-cavities. Optics Letters, 2017, 42, 3407.	3.3	34

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73	Optical Pump Rectification Emission: Terahertz Surface State Diagnostics. , 2017, , .		0
74	Filter-Driven Four Wave Mixing Laser with a Controllable Repetition Rate. , 2017, , .		0
75	Route to Photo-Enabled Random Terahertz Metasurfaces. , 2017, , .		0
76	Type II Micro-comb based on a Filter-Driven Four Wave Mixing Laser. , 2017, , .		0
77	Multifrequency sources of quantum correlated photon pairs on-chip: a path toward integrated Quantum Frequency Combs. Nanophotonics, 2016, 5, 351-362.	6.0	70
78	Terahertz polarizer on flexible and conformal substrate. , 2016, , .		0
79	Flexible terahertz wire grid polarizer with high extinction ratio and low loss. Optics Letters, 2016, 41, 2009.	3.3	61
80	The UK National Quantum Technologies Hub in sensors and metrology (Keynote Paper). Proceedings of SPIE, 2016, , .	0.8	10
81	Microwave and RF applications for micro-resonator based frequency combs. Proceedings of SPIE, 2016, , .	0.8	0
82	Novel ultrafast sources on chip: filter driven four wave mixing lasers, from high repetition rate to burst mode operation. , 2016, , .		1
83	Asymmetric Dual-Grating Micro-Slit Configuration for Broadband Solid State Coherent Detection of THz Pulses. , 2016, , .		0
84	Quantum photonic circuits for optical signal processing. , 2015, , .		0
85	Micro-Slit Based Coherent Detection of Terahertz Pulses in Biased, Solid State Media. , 2015, , .		0
86	Four wave mixing in 5th order cascaded CMOS compatible ring resonators. , 2015, , .		0
87	Temporal and spectral shaping of broadband terahertz pulses in a photoexcited semiconductor. Applied Physics Letters, 2015, 106, 051110.	3.3	7
88	Cross-polarized photon-pair generation and bi-chromatically pumped optical parametric oscillation on a chip. Nature Communications, 2015, 6, 8236.	12.8	110
89	Sub-wavelength terahertz beam profiling of a THz source via an all-optical knife-edge technique. Scientific Reports, 2015, 5, 8551.	3.3	7
90	Burst-mode operation of a 655GHz mode locked laser based on an 11-th order microring resonator. , 2015, , .		0

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91	Four Wave Mixing in a CMOS Compatible 5th Order Cascaded Ring Resonators. , 2015, , .		1
92	Integrated bi-chromatically pumped optical parametric oscillator for orthogonally polarized photon pair generation. , 2015, , .		0
93	Terahertz Field Induced Second Harmonic Coherent Detection Scheme based on a Biased Nonlinear Micro-slit. , 2014, , .		1
94	Direct Generation of Orthogonally Polarized Photon Pairs on a Chip via Spontaneous Non-Degenerate FWM. , 2014, , .		0
95	Integrated frequency comb source of heralded single photons. Optics Express, 2014, 22, 6535.	3.4	187
96	CMOS compatible integrated all-optical radio frequency spectrum analyzer. Optics Express, 2014, 22, 21488.	3.4	60
97	Active terahertz two-wire waveguides. Optics Express, 2014, 22, 22340.	3.4	8
98	Active Terahertz Two-wire Waveguides. , 2014, , .		0
99	Terahertz magnetic modulator based on magnetically clustered nanoparticles. Applied Physics Letters, 2014, 105, .	3.3	29
100	Skirting terahertz waves in a photo-excited nanoslit structure. Applied Physics Letters, 2014, 104, .	3.3	10
101	A wideband THz Time Domain Spectroscopy table-top system based on ultrafast pulsed laser: Model and experiments. , 2014, , .		0
102	Integrated Source of Multiplexed Heralded Photons. , 2014, , .		0
103	Collapse Arrest in Instantaneous Kerr Media via Parametric Interactions. Physical Review Letters, 2014, 113, 133901.	7.8	6
104	Characterization of ultra-high repetition rate mode-locked lasers with an integrated all-optical RF spectrum analyzer. , 2014, , .		1
105	Rectangular-shaped sub-wavelength terahertz beam profiling via an all-optical knife-edge technique. , 2014, , .		0
106	Integrated Source of Multiplexed Photon Pairs. , 2014, , .		0
107	Direct Generation of Orthogonally Polarized Photon Pairs via Spontaneous Non-Degenerate FWM on a Chip. , 2014, , .		2
108	On Chip Broadband Terahertz Detection via Four-Wave Mixing in Electrically Biased Silica Micro-Slits. , 2014, , .		1

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109	Orthogonally polarized correlated photon pair generation on a chip via self-pumped spontaneous non-degenerate FWM. , 2014, , .		0
110	Terahertz Dipole Nanoantenna Arrays: Resonance Characteristics. Plasmonics, 2013, 8, 133-138.	3.4	35
111	Terahertz macrospin dynamics in insulating ferrimagnets. Physical Review B, 2013, 88, .	3.2	27
112	CMOS compatible micro-ring resonator lasers. , 2013, , .		0
113	Exact Reconstruction of THz Sub-$lambda$ Source Features in Knife-Edge Measurements. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 8401211-8401211.	2.9	17
114	Wavelength Scaling of Terahertz Generation by Gas Ionization. Physical Review Letters, 2013, 110, 253901.	7.8	310
115	A magnetic non-reciprocal isolator for broadband terahertz operation. Nature Communications, 2013, 4, 1558.	12.8	160
116	Counterpropagating frequency mixing with terahertz waves in diamond. Optics Letters, 2013, 38, 178.	3.3	21
117	CCD-based imaging and 3D spaceâ€“time mapping of terahertz fields via Kerr frequency conversion. Optics Letters, 2013, 38, 1899.	3.3	12
118	FLEA: Fresnel-limited extraction algorithm applied to spectral phase interferometry for direct field reconstruction (SPIDER). Optics Express, 2013, 21, 5743.	3.4	7
119	Self-locked optical parametric oscillation in a CMOS compatible microring resonator: a route to robust optical frequency comb generation on a chip. Optics Express, 2013, 21, 13333.	3.4	128
120	Spectrally resolved wave-mixing between near- and far-infrared pulses in gas. New Journal of Physics, 2013, 15, 125011.	2.9	11
121	Wideband THz Time Domain Spectroscopy based on Optical Rectification and Electro-Optic Sampling. Scientific Reports, 2013, 3, 3116.	3.3	82
122	Multi-point accelerometric detection and principal component analysis of heart sounds. Physiological Measurement, 2013, 34, L1-L9.	2.1	3
123	Filter-driven four wave mixing dual-mode mode-locked laser based on an integrated nonlinear microring resonator. , 2013, , .		0
124	Counter-propagating difference-frequency generation in diamond with terahertz fields. , 2013, , .		2
125	CMOS compatible chips for applications in nonlinear optics. , 2013, , .		0
126	A Non-Reciprocal Broadband Terahertz Isolator. , 2013, , .		0

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127	Counter-Propagating Difference Frequency Mixing in Diamond with Terahertz Waves. , 2013, , .		1
128	Observation of Collapse Arrest in Pure Kerr Media Sustained by a Parametric Interaction. , 2013, , .		0
129	Terahertz Characterization via an All-Optical, Ultra-Thin-Knife-Edge Technique. , 2013, , .		0
130	Low Dispersion Propagation of Broadband THz Pulses in a Two-Wire Waveguide. , 2013, , .		0
131	A Scaling Mechanism for Increasing the Terahertz Emission from Ionization of Air. , 2013, , .		0
132	Stable, dual mode, high repetition rate mode-locked laser based on a microring resonator. Optics Express, 2012, 20, 27355.	3.4	108
133	CMOS compatible chips for nonlinear optics. , 2012, , .		0
134	Demonstration of a stable ultrafast laser based on a nonlinear microcavity. Nature Communications, 2012, 3, 765.	12.8	253
135	Toward On-Chip Phase-Sensitive Optical Temporal Waveform Measurements. IEEE Photonics Journal, 2012, 4, 633-637.	2.0	1
136	Stable Dual Mode High Repetition Rate Mode-Locked Laser Based on an Integrated Nonlinear Microring Resonator. , 2012, , .		1
137	Polarization-sensitive Magnetic Field Induced Modulation of Broadband THz Pulses in Liquid. , 2012, , .		1
138	Self-locked low threshold OPO in a CMOS-compatible microring resonator. , 2012, , .		0
139	Electric-Field Induced Second-Harmonic FROG Characterization of Long-Wavelength, Few-Cycle Pulses. , 2012, , .		0
140	Enhanced Detection of Broadband Terahertz Fields via the Filamentation of Chirped Optical Pulses. , 2012, , .		0
141	Nematicons. Physics Reports, 2012, 516, 147-208.	25.6	223
142	Beyond ballistic. Nature Physics, 2012, 8, 858-859.	16.7	6
143	Towards Ultrafast Integrated Optical Clocks. Optics and Photonics News, 2012, 23, 54.	0.5	0
144	Dual mode mode-locked laser based on an integrated nonlinear microring resonator. , 2012, , .		0

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145	Terahertz Faraday rotation in a magnetic liquid: High magneto-optical figure of merit and broadband operation in a ferrofluid. Applied Physics Letters, 2012, 100, .	3.3	56
146	Fresnel-Limited Extraction Algorithm for X-SPIDER. , 2012, , .		0
147	A novel extraction algorithm for spectral phase interferometry. , 2012, , .		0
148	Terahertz Resonant Dipole Nanoantennas. , 2012, , .		0
149	Double comb generated by a mode-locked laser based on an integrated nonlinear microring resonator. , 2012, , .		0
150	Mode-locked laser based on an integrated nonlinear microring resonator generating a dual comb.. , 2012, , .		1
151	Terahertz Field Detection Boost by Nonlinear Collapse of Normally Dispersed Optical Pulses. , 2012, , .		0
152	A self-locking scheme for robust parametric oscillation in CMOS-compatible microring resonators. , 2012, , .		0
153	Self-locked OPO in CMOS-compatible microring resonators. , 2012, , .		0
154	Novel Ultrafast Integrated Sources based on Nonlinear Frequency Conversion. , 2012, , .		0
155	Parametric oscillation in CMOS-compatible microring resonators induced with a self-locking scheme. , 2012, , .		0
156	Advanced Integrated Photonics in Doped Silica Glass. Springer Series in Optical Sciences, 2012, , 47-92.	0.7	1
157	Fresnel-Limited Extraction Algorithm for on chip SPIDER. , 2012, , .		0
158	Measurement of high time-bandwidth pulses on a chip with SPIDER. Photonics Letters of Poland, 2012, 4, .	0.4	0
159	Measurement of high time-bandwidth pulses on a chip with a phase sensitive optical oscilloscope. , 2011, , .		0
160	Highly stable 200GHz soliton microring resonator laser based on filter-driven four wave mixing. , 2011, , .		0
161	Concurrent field enhancement and high transmission of THz radiation in nanoslit arrays. Applied Physics Letters, 2011, 99, .	3.3	51
162	Optical frequency conversion in integrated devices [Invited]. Journal of the Optical Society of America B: Optical Physics, 2011, 28, A67.	2.1	31

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163	Quasi-TEM mode propagation in twin-wire THz waveguides (Invited Paper). Chinese Optics Letters, 2011, 9, 110013-110016.	2.9	9
164	Extremely large extinction efficiency and field enhancement in terahertz resonant dipole nanoantennas. Optics Express, 2011, 19, 26088.	3.4	60
165	Nematiconâ€“nematicon interactions in a medium with tunable nonlinearity and fixed nonlocality. Optics Letters, 2011, 36, 2566.	3.3	19
166	Sub-picosecond phase-sensitive optical pulse characterization on a chip. Nature Photonics, 2011, 5, 618-623.	31.4	124
167	Notch Nonlinear Frequency Shift in AlGaAs Bragg Grating Waveguides. , 2011, , .		1
168	SPIDER on-chip: a subpicosecond phase sensitive optical oscilloscope. , 2011, , .		0
169	Quasi-TEM Mode Propagation in Dual-wire THz Waveguide. , 2011, , .		0
170	Third Harmonic Generation Enhancement in Nematic Liquid Crystals via Nonlocal Solitons Propagation. , 2011, , .		0
171	Highly Stable 200GHz Soliton Microring Resonator Laser based on Filter-Driven Four Wave Mixing. , 2011, , .		1
172	CMOS compatible waveguides for all-optical signal processing. , 2011, , .		2
173	Tunable self-focusing and self-steering of nematicons. , 2011, , .		0
174	High index glass CMOS compatible all-optical chips for telecom and optical interconnects. , 2011, , .		0
175	Enhanced detection of broadband terahertz field by filamentation of chirped optical pulses. , 2011, , .		0
176	Space-time features of THz emission from optical rectification in sub-wavelength areas. , 2011, , .		0
177	Sub-ps Laser Based on a CMOS Compatible Integrated Microring Resonator. , 2011, , .		0
178	Broadband enhanced 26 MV/cm THz radiation in uniform nano-slit arrays. , 2011, , .		0
179	SPIDER on a chip: a phase sensitive ultrafast oscilloscope. , 2011, , .		0
180	Novel Functionalities and Devices Based on Non-linear Frequency Conversion in Low Loss, CMOS Compatible Integrated Waveguide Structures. , 2011, , .		0

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181	Sub-ps laser modelocked dissipative soliton laser in a CMOS compatible integrated microring resonator. , 2010, , .		0
182	Nonlinear pulse processing in High Index Glass Integrated devices: pulse compression. , 2010, , .		0
183	Supercontinuum Generation in an Integrated High-Index Glass Spiral Waveguide. , 2010, , .		0
184	Subpicosecond 200GHz soliton laser based on a C-MOS compatible integrated microring resonator. , 2010, , .		1
185	Propagation of spatial optical solitons in a dielectric with adjustable nonlinearity. Physical Review A, 2010, 82, .	2.5	81
186	Evaluation of the Electromagnetic Hazard of intense THz pulses on neural cells. , 2010, , .		0
187	THz metamaterials using aligned metallic or semiconductor nanowires. , 2010, , .		1
188	CMOS compatible all-optical waveguides. , 2010, , .		0
189	Space-time bullet trains via modulation instability and nonlocal solitons. Optics Express, 2010, 18, 5934.	3.4	26
190	Subpicosecond optical pulse compression via an integrated nonlinear chirper. Optics Express, 2010, 18, 7625.	3.4	101
191	Composite THz materials using aligned metallic and semiconductor microwires, experiments and interpretation. Optics Express, 2010, 18, 24632.	3.4	31
192	Enhancement of third-harmonic generation in nonlocal spatial solitons. Optics Letters, 2010, 35, 3342.	3.3	20
193	Supercontinuum generation in a high index doped silica glass spiral waveguide. Optics Express, 2010, 18, 923.	3.4	127
194	Spatial and spectral properties of small area THz generation for sub-wavelength microscopy. , 2010, , .		1
195	Subpicosecond Ultra High Speed Soliton Laser based on a C-MOS Compatible Integrated Microring Resonator. , 2010, , .		1
196	High Performance, Low-loss Nonlinear Integrated Glass Waveguides. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2010, 6, 283-286.	0.4	3
197	Enhancement of third harmonic generation in nonlocal solitons. , 2010, , .		0
198	Ultrafast Optical Pulse Compression on a Chip. , 2010, , .		0

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199	Dissipative Four Wave Mixing Sub-ps Laser Based on a CMOS Compatible Integrated Microring Resonator. , 2010, , .		0
200	Generation of bullet trains via temporal modulation instability in nonlocal solitons. , 2010, , .		0
201	Ultra High Speed Soliton Laser Based on a C-MOS Compatible Integrated Microring Resonator. , 2010, , .		1
202	Optical Bullet Trains via Modulation Instability in Nonlocal Solitons. , 2010, , .		0
203	CMOS Compatible All-Optical Chips. , 2010, , .		0
204	Accessible Light Bullets via Synergetic Nonlinearities. Physical Review Letters, 2009, 102, 203903.	7.8	85
205	Voltage-driven in-plane steering of nematicons. Applied Physics Letters, 2009, 94, .	3.3	49
206	Observation of a Gradient Catastrophe Generating Solitons. Physical Review Letters, 2009, 102, 083902.	7.8	136
207	Optical solitary waves escaping a wide trapping potential in nematic liquid crystals: Modulation theory. Physical Review A, 2009, 79, .	2.5	52
208	Characterization of archeological human bone tissue by enhanced backscattering of light. Applied Physics Letters, 2009, 94, 101101.	3.3	4
209	Temporal pulse compression in low dispersion Hydex® glass integrated waveguides. , 2009, , .		0
210	Low power four wave mixing in an integrated, micro-ring resonator with Q = 12 million. Optics Express, 2009, 17, 14098.	3.4	123
211	Low power parametric wave-mixing in a zero dispersive CMOS compatible micro-ring resonator. , 2009, , .		0
212	Accessible Light Bullets. , 2009, , .		0
213	Optical Bullet Bursts generation in nonlocal media. , 2009, , .		0
214	Routing Light with Nematicons: Light Localization and Steering in Liquid Crystals. , 2009, , .		0
215	Soliton Emission from a Trapping Potential. , 2009, , .		0
216	Temporal Pulse Compression in High-Index Doped Silica Glass Integrated Waveguides. , 2009, , .		0

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217	Nonlinear bouncing of nematicons at the boundaries. , 2008, , .		0
218	Gas of dark solitons generated by an optical shock. , 2008, , .		0
219	Non-linear control of soliton spiraling in nematic liquid crystals. , 2008, , .		0
220	Spatial solitons and their deflection in liquid crystals. , 2008, , .		0
221	Guiding and Routing Light with Nematicons. Molecular Crystals and Liquid Crystals, 2008, 488, 163-178.	0.9	6
222	Escaping Solitons from a Trapping Potential. Physical Review Letters, 2008, 101, 153902.	7.8	59
223	ROUTING LIGHT AT WILL. Journal of Nonlinear Optical Physics and Materials, 2007, 16, 37-47.	1.8	11
224	Nonlocal bi-color vector solitons in liquid crystals. , 2007, , .		0
225	Nonlinear management of the angular momentum of soliton clusters: Theory and experiment. Physical Review A, 2007, 75, .	2.5	45
226	Nonlinear controlling the angular momentum of a solitary wave cluster. , 2007, , .		0
227	Nonspecular Total Internal Reflection of Spatial Solitons at the Interface between Highly Birefringent Media. Physical Review Letters, 2007, 98, 113902.	7.8	50
228	Refraction and Total Internal Reflection of Nematicons at a voltage controlled dielectric interface. , 2007, , .		0
229	Nonlinear Goos-Hanchen shift of Nematicons at a bias-controlled dielectric interface. , 2007, , .		0
230	Nematic liquid crystal cells for optical spatial solitons (Nematicons). , 2007, , .		0
231	Nonlinear shift of spatial solitons at a graded dielectric interface. Optics Letters, 2007, 32, 271.	3.3	38
232	Nonlinearly controlled angular momentum of soliton clusters. Optics Letters, 2007, 32, 1447.	3.3	63
233	Nonlinear bouncing of nonlocal spatial solitons at the boundaries. Optics Letters, 2007, 32, 2795.	3.3	70
234	Spatial solitons in nematic liquid crystals: from bulk to discrete. Optics Express, 2007, 15, 5248.	3.4	71

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235	Nematicons across interfaces: anomalous refraction and reflection of solitons in liquid crystals. Optics Express, 2007, 15, 8021.	3.4	32
236	Nematicon deflection at a voltage controlled dielectric interface. , 2007, , .		0
237	Spatial soliton all-optical logic gates. IEEE Photonics Technology Letters, 2006, 18, 1287-1289.	2.5	100
238	Complex dynamics and configurational entropy of spatial optical solitons in nonlocal media. Optics Letters, 2006, 31, 2030.	3.3	29
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