

# Roberto Morandotti

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1301045/publications.pdf>

Version: 2024-02-01

648  
papers

24,190  
citations

10389

72  
h-index

9103

144  
g-index

651  
all docs

651  
docs citations

651  
times ranked

11573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mi mathvariant="script"} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Symmetry Breaking in Complex Optical Potentials. Physical Review Letters, 2009, 103, 093902.	7.8	2,188
2	Discrete Spatial Optical Solitons in Waveguide Arrays. Physical Review Letters, 1998, 81, 3383-3386.	7.8	1,203
3	New CMOS-compatible platforms based on silicon nitride and Hydex for nonlinear optics. Nature Photonics, 2013, 7, 597-607.	31.4	1,042
4	Anderson Localization and Nonlinearity in One-Dimensional Disordered Photonic Lattices. Physical Review Letters, 2008, 100, 013906.	7.8	774
5	On-chip generation of high-dimensional entangled quantum states and their coherent control. Nature, 2017, 546, 622-626.	27.8	574
6	Experimental Observation of Linear and Nonlinear Optical Bloch Oscillations. Physical Review Letters, 1999, 83, 4756-4759.	7.8	551
7	11 TOPS photonic convolutional accelerator for optical neural networks. Nature, 2021, 589, 44-51.	27.8	550
8	CMOS-compatible integrated optical hyper-parametric oscillator. Nature Photonics, 2010, 4, 41-45.	31.4	519
9	Diffraction Management. Physical Review Letters, 2000, 85, 1863-1866.	7.8	503
10	Micro-combs: A novel generation of optical sources. Physics Reports, 2018, 729, 1-81.	25.6	448
11	Realization of Quantum Walks with Negligible Decoherence in Waveguide Lattices. Physical Review Letters, 2008, 100, 170506.	7.8	423
12	Generation of multiphoton entangled quantum states by means of integrated frequency combs. Science, 2016, 351, 1176-1180.	12.6	371
13	Dynamics of Discrete Solitons in Optical Waveguide Arrays. Physical Review Letters, 1999, 83, 2726-2729.	7.8	329
14	Low-power continuous-wave nonlinear optics in doped silica glass integrated waveguide structures. Nature Photonics, 2008, 2, 737-740.	31.4	328
15	Observation of a Localization Transition in Quasiperiodic Photonic Lattices. Physical Review Letters, 2009, 103, 013901.	7.8	323
16	Generation of 1.5 $\mu\text{J}$ single-cycle terahertz pulses by optical rectification from a large aperture ZnTe crystal. Optics Express, 2007, 15, 13212.	3.4	313
17	Wavelength Scaling of Terahertz Generation by Gas Ionization. Physical Review Letters, 2013, 110, 253901.	7.8	310
18	Nonparaxial Mathieu and Weber Accelerating Beams. Physical Review Letters, 2012, 109, 193901.	7.8	296

#	ARTICLE	IF	CITATIONS
19	Quantum optical microcombs. <i>Nature Photonics</i> , 2019, 13, 170-179.	31.4	295
20	Observing metamaterial induced transparency in individual Fano resonators with broken symmetry. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	268
21	Quantum and Classical Correlations in Waveguide Lattices. <i>Physical Review Letters</i> , 2009, 102, 253904.	7.8	261
22	Observation of Discrete Surface Solitons. <i>Physical Review Letters</i> , 2006, 96, 063901.	7.8	255
23	Demonstration of a stable ultrafast laser based on a nonlinear microcavity. <i>Nature Communications</i> , 2012, 3, 765.	12.8	253
24	On-chip CMOS-compatible all-optical integrator. <i>Nature Communications</i> , 2010, 1, 29.	12.8	220
25	Self-Focusing and Defocusing in Waveguide Arrays. <i>Physical Review Letters</i> , 2001, 86, 3296-3299.	7.8	215
26	Gap Solitons in Waveguide Arrays. <i>Physical Review Letters</i> , 2004, 92, 093904.	7.8	206
27	High-dimensional one-way quantum processing implemented on d-level cluster states. <i>Nature Physics</i> , 2019, 15, 148-153.	16.7	204
28	Band-Gap Structure of Waveguide Arrays and Excitation of Floquet-Bloch Solitons. <i>Physical Review Letters</i> , 2003, 90, 053902.	7.8	201
29	Integrated sources of photon quantum states based on nonlinear optics. <i>Light: Science and Applications</i> , 2017, 6, e17100-e17100.	16.6	194
30	Ultra-dense optical data transmission over standard fibre with a single chip source. <i>Nature Communications</i> , 2020, 11, 2568.	12.8	192
31	Integrated frequency comb source of heralded single photons. <i>Optics Express</i> , 2014, 22, 6535.	3.4	187
32	Ultrafast all-optical differentiators. <i>Optics Express</i> , 2006, 14, 10699.	3.4	183
33	Real-time measurements of spontaneous breathers and rogue wave events in optical fibre modulation instability. <i>Nature Communications</i> , 2016, 7, 13675.	12.8	175
34	Laser cavity-soliton microcombs. <i>Nature Photonics</i> , 2019, 13, 384-389.	31.4	169
35	A magnetic non-reciprocal isolator for broadband terahertz operation. <i>Nature Communications</i> , 2013, 4, 1558.	12.8	160
36	Generation of linear and nonlinear nonparaxial accelerating beams. <i>Optics Letters</i> , 2012, 37, 2820.	3.3	136

#	ARTICLE	IF	CITATIONS
37	Experimental Observation of Discrete Modulational Instability. Physical Review Letters, 2004, 92, 163902.	7.8	129
38	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
39	RF Photonics: An Optical Microcombs™ Perspective. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-20.	2.9	128
40	Advanced RF and microwave functions based on an integrated optical frequency comb source. Optics Express, 2018, 26, 2569.	3.4	128
41	Supercontinuum generation in a high index doped silica glass spiral waveguide. Optics Express, 2010, 18, 923.	3.4	127
42	Sub-picosecond phase-sensitive optical pulse characterization on a chip. Nature Photonics, 2011, 5, 618-623.	31.4	124
43	Low power four wave mixing in an integrated, micro-ring resonator with Q = 12 million. Optics Express, 2009, 17, 14098.	3.4	123
44	Photonic microwave true time delays for phased array antennas using a 49 GHz FSR integrated optical micro-comb source [Invited]. Photonics Research, 2018, 6, B30.	7.0	119
45	All-optical wavelength conversion in an integrated ring resonator. Optics Express, 2010, 18, 3858.	3.4	115
46	Nonlinear ultrafast modulation of the optical absorption of intense few-cycle terahertz pulses in $n$ -doped semiconductors. Physical Review B, 2009, 79, .	3.2	114
47	Broadband RF Channelizer Based on an Integrated Optical Frequency Kerr Comb Source. Journal of Lightwave Technology, 2018, 36, 4519-4526.	4.6	114
48	Invited Article: Enhanced four-wave mixing in waveguides integrated with graphene oxide. APL Photonics, 2018, 3, .	5.7	114
49	Efficient self-phase modulation in low loss, high index doped silica glass integrated waveguides. Optics Express, 2009, 17, 1865.	3.4	112
50	Passively mode-locked laser with an ultra-narrow spectral width. Nature Photonics, 2017, 11, 159-162.	31.4	111
51	Efficient wavelength conversion and net parametric gain via Four Wave Mixing in a high index doped silica waveguide. Optics Express, 2010, 18, 7634.	3.4	110
52	Laser-assisted guiding of electric discharges around objects. Science Advances, 2015, 1, e1400111.	10.3	110
53	Cross-polarized photon-pair generation and bi-chromatically pumped optical parametric oscillation on a chip. Nature Communications, 2015, 6, 8236.	12.8	110
54	Stable, dual mode, high repetition rate mode-locked laser based on a microring resonator. Optics Express, 2012, 20, 27355.	3.4	108

#	ARTICLE	IF	CITATIONS
55	Generation of Intense Terahertz Radiation via Optical Methods. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 5-16.	2.9	104
56	Advanced Adaptive Photonic RF Filters with 80 Taps Based on an Integrated Optical Micro-Comb Source. Journal of Lightwave Technology, 2019, 37, 1288-1295.	4.6	104
57	Inversion and tight focusing of Airy pulses under the action of third-order dispersion. Optics Letters, 2013, 38, 2499.	3.3	103
58	Reconfigurable broadband microwave photonic intensity differentiator based on an integrated optical frequency comb source. APL Photonics, 2017, 2, .	5.7	103
59	Optical discrete solitons in waveguide arrays 2 Dynamic properties. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 2637.	2.1	102
60	Subpicosecond optical pulse compression via an integrated nonlinear chirper. Optics Express, 2010, 18, 7625.	3.4	101
61	Improved terahertz two-color plasma sources pumped by high intensity laser beam. Optics Express, 2009, 17, 6044.	3.4	100
62	Integrated frequency comb source based Hilbert transformer for wideband microwave photonic phase analysis. Optics Express, 2015, 23, 22087.	3.4	100
63	Kerr Spatiotemporal Self-Focusing in a Planar Glass Waveguide. Physical Review Letters, 2001, 87, 043902.	7.8	99
64	Discrete Vector Solitons in Kerr Nonlinear Waveguide Arrays. Physical Review Letters, 2003, 91, 143907.	7.8	95
65	Conductive Coupling of Split Ring Resonators: A Path to THz Metamaterials with Ultrasharp Resonances. Physical Review Letters, 2014, 112, 183903.	7.8	93
66	High performance RF filters via bandwidth scaling with Kerr micro-combs. APL Photonics, 2019, 4, 026102.	5.7	93
67	Terahertz pulse induced intervalley scattering in photoexcited GaAs. Optics Express, 2009, 17, 9620.	3.4	92
68	Nonlinearly induced escape from a defect state in waveguide arrays. Applied Physics Letters, 1999, 75, 1348-1350.	3.3	91
69	Optical discrete solitons in waveguide arrays I Soliton formation. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 2938.	2.1	89
70	Accessible Light Bullets via Synergetic Nonlinearities. Physical Review Letters, 2009, 102, 203903.	7.8	85
71	Photonic Perceptron Based on a Kerr Microcomb for High-Speed, Scalable, Optical Neural Networks. Laser and Photonics Reviews, 2020, 14, 2000070.	8.7	84
72	Wideband THz Time Domain Spectroscopy based on Optical Rectification and Electro-Optic Sampling. Scientific Reports, 2013, 3, 3116.	3.3	82

#	ARTICLE	IF	CITATIONS
73	Excitation of a high-Q subradiant resonance mode in mirrored single-gap asymmetric split ring resonator terahertz metamaterials. <i>Applied Physics Letters</i> , 2012, 101, 071108.	3.3	79
74	Strong Spatiotemporal Localization in a Silica Nonlinear Waveguide Array. <i>Physical Review Letters</i> , 2003, 91, 223901.	7.8	78
75	Effect of Nonlinearity on Adiabatic Evolution of Light. <i>Physical Review Letters</i> , 2008, 101, 193901.	7.8	78
76	Direct compression of 170-fs 50-cycle pulses down to 1.5 cycles with 70% transmission. <i>Scientific Reports</i> , 2018, 8, 11794.	3.3	78
77	Nonlinear control of photonic higher-order topological bound states in the continuum. <i>Light: Science and Applications</i> , 2021, 10, 164.	16.6	77
78	Interactions of discrete solitons with structural defects. <i>Optics Letters</i> , 2003, 28, 834.	3.3	75
79	Orthogonally Polarized RF Optical Single Sideband Generation and Dual-Channel Equalization Based on an Integrated Microring Resonator. <i>Journal of Lightwave Technology</i> , 2018, 36, 4808-4818.	4.6	75
80	Microcomb-Based Photonic RF Signal Processing. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1854-1857.	2.5	75
81	2D Layered Graphene Oxide Films Integrated with Micro-Ring Resonators for Enhanced Nonlinear Optics. <i>Small</i> , 2020, 16, e1906563.	10.0	75
82	Multifrequency sources of quantum correlated photon pairs on-chip: a path toward integrated Quantum Frequency Combs. <i>Nanophotonics</i> , 2016, 5, 351-362.	6.0	70
83	Practical system for the generation of pulsed quantum frequency combs. <i>Optics Express</i> , 2017, 25, 18940.	3.4	69
84	Nonlinear Optical Beam Interactions in Waveguide Arrays. <i>Physical Review Letters</i> , 2004, 93, 093903.	7.8	68
85	Broadband Microwave Frequency Conversion Based on an Integrated Optical Micro-Comb Source. <i>Journal of Lightwave Technology</i> , 2020, 38, 332-338.	4.6	67
86	Graphene Oxide Waveguide and Micro-Ring Resonator Polarizers. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900056.	8.7	66
87	Observation of Mutually Trapped Multiband Optical Breathers in Waveguide Arrays. <i>Physical Review Letters</i> , 2003, 90, 253902.	7.8	65
88	All-optical 1st and 2nd order integration on a chip. <i>Optics Express</i> , 2011, 19, 23153.	3.4	65
89	Enhanced third-order nonlinear effects in optical AlGaAs nanowires. <i>Optics Express</i> , 2006, 14, 9377.	3.4	63
90	Photonic RF Arbitrary Waveform Generator Based on a Soliton Crystal Micro-Comb Source. <i>Journal of Lightwave Technology</i> , 2020, 38, 6221-6226.	4.6	62

#	ARTICLE	IF	CITATIONS
91	Microwave and RF Photonic Fractional Hilbert Transformer Based on a 50 GHz Kerr Micro-Comb. Journal of Lightwave Technology, 2019, 37, 6097-6104.	4.6	61
92	Extremely large extinction efficiency and field enhancement in terahertz resonant dipole nanoantennas. Optics Express, 2011, 19, 26088.	3.4	60
93	CMOS compatible integrated all-optical radio frequency spectrum analyzer. Optics Express, 2014, 22, 21488.	3.4	60
94	Continuously tunable orthogonally polarized RF optical single sideband generator based on micro-ring resonators. Journal of Optics (United Kingdom), 2018, 20, 115701.	2.2	60
95	Observation of discrete gap solitons in binary waveguide arrays. Optics Letters, 2004, 29, 2890.	3.3	59
96	Customizing supercontinuum generation via on-chip adaptive temporal pulse-splitting. Nature Communications, 2018, 9, 4884.	12.8	59
97	Carrier density dependence of the nonlinear absorption of intense THz radiation in GaAs. Optics Express, 2012, 20, 18016.	3.4	58
98	Effect of extreme pump pulse reshaping on intense terahertz emission in lithium niobate at multimillijoule pump energies. Optics Letters, 2014, 39, 4333.	3.3	58
99	Discrete X-Wave Formation in Nonlinear Waveguide Arrays. Physical Review Letters, 2007, 98, 023901.	7.8	57
100	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
101	Photonic RF Phase-Encoded Signal Generation With a Microcomb Source. Journal of Lightwave Technology, 2020, 38, 1722-1727.	4.6	55
102	Reshaping the trajectory and spectrum of nonlinear Airy beams. Optics Letters, 2012, 37, 3201.	3.3	54
103	Effective Mass Anisotropy of Hot Electrons in Nonparabolic Conduction Bands of $n$ -Doped InGaAs Films Using Ultrafast Terahertz Pump-Probe Techniques. Physical Review Letters, 2011, 107, 107401.	7.8	53
104	Extremely high aspect ratio GaAs and GaAs/AlGaAs nanowaveguides fabricated using chlorine ICP etching with $N_2$ -promoted passivation. Nanotechnology, 2010, 21, 134014.	2.6	52
105	Nonlinear Self-Action of Light through Biological Suspensions. Physical Review Letters, 2017, 119, 058101.	7.8	52
106	Concurrent field enhancement and high transmission of THz radiation in nanoslit arrays. Applied Physics Letters, 2011, 99, .	3.3	51
107	Effect of local field enhancement on the nonlinear terahertz response of a silicon-based metamaterial. Physical Review B, 2013, 88, .	3.2	49
108	Optical force-induced nonlinearity and self-guiding of light in human red blood cell suspensions. Light: Science and Applications, 2019, 8, 31.	16.6	49

#	ARTICLE	IF	CITATIONS
109	Beam interactions with a blocker soliton in one-dimensional arrays. <i>Optics Letters</i> , 2005, 30, 1027.	3.3	46
110	Nonlinear femtosecond pulse reshaping in waveguide arrays. <i>Optics Letters</i> , 2008, 33, 1440.	3.3	46
111	Hanbury Brown and Twiss correlations of Anderson localized waves. <i>Physical Review A</i> , 2011, 84, .	2.5	46
112	Second-order coherence properties of metallic nanolasers. <i>Optica</i> , 2016, 3, 1187.	9.3	46
113	Extreme Raman red shift: ultrafast multimode nonlinear space-time dynamics, pulse compression, and broadly tunable frequency conversion. <i>Optica</i> , 2020, 7, 1349.	9.3	45
114	Terahertz pulse generation from bulk GaAs by a tilted-pulse-front excitation at $1.8 \times 10^4$ m. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	44
115	Experimental Generation of Riemann Waves in Optics: A Route to Shock Wave Control. <i>Physical Review Letters</i> , 2016, 117, 073902.	7.8	44
116	RF and Microwave Fractional Differentiator Based on Photonics. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 2767-2771.	3.0	44
117	Second harmonic generation in AlGaAs photonic wires using low power continuous wave light. <i>Optics Express</i> , 2011, 19, 12408.	3.4	43
118	Improved Intrapulse Raman Scattering Control via Asymmetric Airy Pulses. <i>Physical Review Letters</i> , 2015, 114, 073901.	7.8	42
119	Turing patterns in a fiber laser with a nested microresonator: Robust and controllable microcomb generation. <i>Physical Review Research</i> , 2020, 2, .	3.6	42
120	Roadmap on multimode light shaping. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 013001.	2.2	41
121	Multipath multicomponent self-accelerating beams through spectrum-engineered position mapping. <i>Physical Review A</i> , 2013, 88, .	2.5	39
122	Strong enhancement of the Faraday rotation in Ce and Bi comodified epitaxial iron garnet thin films. <i>Applied Physics Letters</i> , 2009, 94, 181916.	3.3	38
123	Broadband Photonic RF Channelizer With 92 Channels Based on a Soliton Crystal Microcomb. <i>Journal of Lightwave Technology</i> , 2020, 38, 5116-5121.	4.6	38
124	Spectrum to distance mapping via nonlinear Airy pulses. <i>Optics Letters</i> , 2013, 38, 380.	3.3	37
125	OBSERVATION OF ONE- AND TWO-DIMENSIONAL DISCRETE SURFACE SPATIAL SOLITONS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2007, 16, 401-426.	1.8	35
126	Optical modes at the interface between two dissimilar discrete meta-materials. <i>Optics Express</i> , 2007, 15, 4663.	3.4	35



#	ARTICLE	IF	CITATIONS
127	Terahertz Dipole Nanoantenna Arrays: Resonance Characteristics. <i>Plasmonics</i> , 2013, 8, 133-138.	3.4	35
128	Universal Correlations in a Nonlinear Periodic 1D System. <i>Physical Review Letters</i> , 2009, 102, 233904.	7.8	34
129	Parametric control of thermal self-pulsation in micro-cavities. <i>Optics Letters</i> , 2017, 42, 3407.	3.3	34
130	Nonlinear Scattering and Trapping by Local Photonic Potentials. <i>Physical Review Letters</i> , 2007, 99, 133901.	7.8	33
131	Type-II micro-comb generation in a filter-driven four wave mixing laser [Invited]. <i>Photonics Research</i> , 2018, 6, B67.	7.0	33
132	Ultrafast all-optical temporal differentiators based on CMOS-compatible integrated-waveguide Bragg gratings. <i>Optics Express</i> , 2011, 19, 19514.	3.4	32
133	Excitation of multiple trapped-eigenmodes in terahertz metamolecule lattices. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	32
134	Terahertz Absorption by Cellulose: Application to Ancient Paper Artifacts. <i>Physical Review Applied</i> , 2017, 7, .	3.8	32
135	Quantifying the photothermal conversion efficiency of plasmonic nanoparticles by means of terahertz radiation. <i>APL Photonics</i> , 2019, 4, .	5.7	32
136	Composite THz materials using aligned metallic and semiconductor microwires, experiments and interpretation. <i>Optics Express</i> , 2010, 18, 24632.	3.4	31
137	Optical frequency conversion in integrated devices [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, A67.	2.1	31
138	Time-domain terahertz compressive imaging. <i>Optics Express</i> , 2020, 28, 3795.	3.4	31
139	Membrane metamaterial resonators with a sharp resonance: A comprehensive study towards practical terahertz filters and sensors. <i>AIP Advances</i> , 2012, 2, .	1.3	30
140	Reshaping the phonon energy landscape of nanocrystals inside a terahertz plasmonic nanocavity. <i>Nature Communications</i> , 2018, 9, 763.	12.8	30
141	Toward High-Power Terahertz Emitters Using Large Aperture ZnSe Photoconductive Antennas. <i>IEEE Photonics Journal</i> , 2011, 3, 174-186.	2.0	29
142	Complete energy conversion by autoresonant three-wave mixing in nonuniform media. <i>Optics Express</i> , 2013, 21, 1623.	3.4	29
143	Terahertz magnetic modulator based on magnetically clustered nanoparticles. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	29
144	Enhanced Second Harmonic Generation from Ferroelectric HfO <sub>2</sub> -Based Hybrid Metasurfaces. <i>ACS Nano</i> , 2019, 13, 1213-1222.	14.6	29

#	ARTICLE	IF	CITATIONS
145	Versatile metal-wire waveguides for broadband terahertz signal processing and multiplexing. Nature Communications, 2022, 13, 741.	12.8	29
146	2D Solitons in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi mathvariant="script"} \text{P} \langle \text{mml:mi} \langle \text{mml:mi mathvariant="script"} \text{T} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{-Symmetric Photonic Lattices. Physical Review Letters, 2019, 123, 253903.}$	7.8	28
147	Photonic radio frequency channelizers based on Kerr optical micro-combs. Journal of Semiconductors, 2021, 42, 041302.	3.7	28
148	Terahertz detection using spectral domain interferometry. Optics Letters, 2012, 37, 4338.	3.3	27
149	Terahertz macrospin dynamics in insulating ferrimagnets. Physical Review B, 2013, 88, .	3.2	27
150	Periodic self-accelerating beams by combined phase and amplitude modulation in the Fourier space. Optics Letters, 2013, 38, 3387.	3.3	27
151	Solid-state-biased coherent detection of ultra-broadband terahertz pulses. Optica, 2017, 4, 1358.	9.3	27
152	RF and microwave photonic temporal signal processing with Kerr micro-combs. Advances in Physics: X, 2021, 6, .	4.1	27
153	Power thresholds of families of discrete surface solitons. Optics Letters, 2007, 32, 3098.	3.3	26
154	Space-time bullet trains via modulation instability and nonlocal solitons. Optics Express, 2010, 18, 5934.	3.4	26
155	Nonlinear beam interactions in 1D discrete Kerr systems. Optics Express, 2005, 13, 1797.	3.4	25
156	Optical spatial solitons at the interface between two dissimilar periodic media: theory and experiment. Optics Express, 2008, 16, 10480.	3.4	25
157	Analysis of a three-core adiabatic directional coupler. Optics Communications, 2009, 282, 4524-4526.	2.1	25
158	Random quasi-phase-matched second-harmonic generation in periodically poled lithium tantalate. Optics Letters, 2010, 35, 363.	3.3	25
159	Efficient flat-top ultra-wideband wavelength converters based on double-pass cascaded sum and difference frequency generation using engineered chirped gratings. Optics Express, 2011, 19, 22528.	3.4	25
160	Terahertz Thermometry: Combining Hyperspectral Imaging and Temperature Mapping at Terahertz Frequencies. Laser and Photonics Reviews, 2017, 11, 1600342.	8.7	25
161	Time-Lens Measurement of Subpicosecond Optical Pulses in CMOS Compatible High-Index Glass Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 629-636.	2.9	24
162	Photonic RF and microwave filters based on 49ÂGHz and 200ÂGHz Kerr microcombs. Optics Communications, 2020, 465, 125563.	2.1	24

#	ARTICLE	IF	CITATIONS
163	Generation of high-field terahertz pulses in an HMQ-TMS organic crystal pumped by an ytterbium laser at 1030 nm. Optics Express, 2018, 26, 2509.	3.4	23
164	Photonic RF and Microwave Integrator Based on a Transversal Filter With Soliton Crystal Microcombs. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3582-3586.	3.0	23
165	Microstructural and optical properties of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> thin film deposited by pulsed laser deposition for low loss waveguide applications. Journal of Applied Physics, 2007, 101, 063107.	2.5	22
166	Broadband and efficient adiabatic three-wave-mixing in a temperature-controlled bulk crystal. Optics Express, 2018, 26, 4448.	3.4	22
167	Autonomous on-chip interferometry for reconfigurable optical waveform generation. Optica, 2021, 8, 1268.	9.3	22
168	Counterpropagating frequency mixing with terahertz waves in diamond. Optics Letters, 2013, 38, 178.	3.3	21
169	Complete pump depletion by autoresonant second harmonic generation in a nonuniform medium. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1637.	2.1	21
170	Universal $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle^{-1}$ Partite $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle d \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle^{-1}$ Level Pure-State Entanglement Witness Based on Realistic Measurement Settings. Physical Review Letters, 2019, 122, 120501.	7.8	21
171	Highly Versatile Broadband RF Photonic Fractional Hilbert Transformer Based on a Kerr Soliton Crystal Microcomb. Journal of Lightwave Technology, 2021, 39, 7581-7587.	4.6	21
172	Incoherent blocker soliton interactions in Kerr waveguide arrays. Optics Letters, 2005, 30, 3174.	3.3	20
173	Enhancement of third-harmonic generation in nonlocal spatial solitons. Optics Letters, 2010, 35, 3342.	3.3	20
174	Time-Resolved Terahertz Spectroscopy of Free Carrier Nonlinear Dynamics in Semiconductors. IEEE Photonics Journal, 2010, 2, 578-592.	2.0	20
175	THz pulse shaping and improved optical-to-THz conversion efficiency using a binary phase mask. Optics Letters, 2011, 36, 2662.	3.3	20
176	Optimal compression and energy confinement of optical Airy bullets. Optics Express, 2016, 24, 26454.	3.4	20
177	Complex Quantum State Generation and Coherent Control Based on Integrated Frequency Combs. Journal of Lightwave Technology, 2019, 37, 338-344.	4.6	20
178	Intense few-cycle visible pulses directly generated via nonlinear fibre mode mixing. Nature Photonics, 0, , .	31.4	20
179	Solitons in dispersion-inverted AlGaAs nanowires. Optics Express, 2006, 14, 2277.	3.4	19
180	Integrated optical temporal Fourier transformer based on a chirped Bragg grating waveguide. Optics Letters, 2011, 36, 4416.	3.3	19

#	ARTICLE	IF	CITATIONS
181	Decoupling Frequencies, Amplitudes and Phases in Nonlinear Optics. Scientific Reports, 2017, 7, 7861.	3.3	19
182	Picosecond linear optical pulse shapers based on integrated waveguide Bragg gratings. Optics Letters, 2008, 33, 2425.	3.3	18
183	Enhanced Q-factor in Optimally Coupled Macrocell THz Metamaterials: Effect of Spatial Arrangement. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 8400807-8400807.	2.9	18
184	Cherenkov Radiation Control via Self-accelerating Wave-packets. Scientific Reports, 2017, 7, 8695.	3.3	18
185	Induced Photon Correlations Through the Overlap of Two Four-Wave Mixing Processes in Integrated Cavities. Laser and Photonics Reviews, 2020, 14, 2000128.	8.7	18
186	Direct comparison of anti-diffracting optical pin beams and abruptly autofocusing beams. OSA Continuum, 2020, 3, 1525.	1.8	18
187	Nonlinear Disorder Mapping Through Three-Wave Mixing. IEEE Photonics Journal, 2010, 2, 18-28.	2.0	17
188	Gain and loss mixed in the same cauldron. Nature, 2012, 488, 163-164.	27.8	17
189	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
190	Wavelength conversion of QAM signals in a low loss CMOS compatible spiral waveguide. APL Photonics, 2017, 2, 046105.	5.7	17
191	Molecular gases for pulse compression in hollow core fibers. Optics Express, 2018, 26, 25426.	3.4	17
192	Orthogonally polarized RF optical single sideband generation with integrated ring resonators. Journal of Semiconductors, 2021, 42, 041305.	3.7	17
193	Extremely broadband terahertz generation via pulse compression of an Ytterbium laser amplifier. Optics Express, 2019, 27, 32659.	3.4	17
194	Pockels response in calcium barium niobate thin films. Applied Physics Letters, 2007, 91, .	3.3	16
195	Two-photon photodetector in a multiquantum well GaAs laser structure at 155 $\mu$ m. Optics Express, 2009, 17, 5298.	3.4	16
196	Dynamical deformed Airy beams with arbitrary angles between two wings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 1468.	1.5	16
197	Generation and Processing of Complex Photon States With Quantum Frequency Combs. IEEE Photonics Technology Letters, 2019, 31, 1862-1865.	2.5	16
198	Time-Domain Integration of Broadband Terahertz Pulses in a Tapered Two-Wire Waveguide. Laser and Photonics Reviews, 2021, 15, 2100051.	8.7	16

#	ARTICLE	IF	CITATIONS
199	Kapitza light guiding in photonic mesh lattice. <i>Optics Letters</i> , 2019, 44, 6013.	3.3	16
200	Microfabricated SrTiO <sub>3</sub> ridge waveguides. <i>Applied Physics Letters</i> , 2005, 86, 221106.	3.3	15
201	Interaction-Induced Localization of Anomalous Diffracting Nonlinear Waves. <i>Physical Review Letters</i> , 2006, 97, 193901.	7.8	15
202	Structural and optical properties of epitaxial Ca <sub>x</sub> Ba <sub>1-x</sub> Nb <sub>2</sub> O <sub>6</sub> thin films grown on MgO by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	15
203	Efficient Optical Energy Harvesting in Self-Accelerating Beams. <i>Scientific Reports</i> , 2015, 5, 13197.	3.3	15
204	Frequency-domain ultrafast passive logic: NOT and XNOR gates. <i>Nature Communications</i> , 2020, 11, 5839.	12.8	15
205	Observation of spectral self-imaging by nonlinear parabolic cross-phase modulation. <i>Optics Letters</i> , 2015, 40, 5403.	3.3	14
206	Terahertz three-dimensional monitoring of nanoparticle-assisted laser tissue soldering. <i>Biomedical Optics Express</i> , 2020, 11, 2254.	2.9	14
207	Integral order photonic RF signal processors based on a soliton crystal micro-comb source. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 125701.	2.2	14
208	Measurement of the response of long plastic scintillator bars for the large angle electromagnetic shower calorimeter for CLAS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 370, 429-434.	1.6	13
209	Design, fabrication, and characterization of deep-etched waveguide gratings. <i>Journal of Lightwave Technology</i> , 2005, 23, 3832-3842.	4.6	13
210	Hybrid integration of Ca <sub>0.28</sub> Ba <sub>0.72</sub> Nb <sub>2</sub> O <sub>6</sub> thin film electro-optic waveguides with silica/silicon substrates. <i>Optics Express</i> , 2009, 17, 15128.	3.4	13
211	Magneto-optical Control of Light Collapse in Bulk Kerr Media. <i>Physical Review Letters</i> , 2009, 103, 053902.	7.8	13
212	Optical multi-stability in a nonlinear high-order microring resonator filter. <i>APL Photonics</i> , 2020, 5, .	5.7	13
213	Frequency comb distillation for optical superchannel transmission. <i>Journal of Lightwave Technology</i> , 2021, , 1-1.	4.6	13
214	Scalable and effective multi-level entangled photon states: a promising tool to boost quantum technologies. <i>Nanophotonics</i> , 2021, 10, 4447-4465.	6.0	13
215	CCD-based imaging and 3D space-time mapping of terahertz fields via Kerr frequency conversion. <i>Optics Letters</i> , 2013, 38, 1899.	3.3	12
216	Self-referenced spectral domain interferometry for improved signal-to-noise measurement of terahertz radiation. <i>Optics Letters</i> , 2013, 38, 2705.	3.3	12

#	ARTICLE	IF	CITATIONS
217	Free-space realization of tunable pin-like optical vortex beams. <i>Photonics Research</i> , 2021, 9, 1204.	7.0	12
218	Recent advances on time-stretch dispersive Fourier transform and its applications. <i>Advances in Physics: X</i> , 2022, 7, .	4.1	12
219	Topologically tuned terahertz confinement in a nonlinear photonic chip. <i>Light: Science and Applications</i> , 2022, 11, .	16.6	12
220	Kerr nonlinear effects in AlGaAs multimode waveguides. <i>Applied Physics Letters</i> , 2004, 85, 3390-3392.	3.3	11
221	Spectrally resolved wave-mixing between near- and far-infrared pulses in gas. <i>New Journal of Physics</i> , 2013, 15, 125011.	2.9	11
222	Invited Article: Ultra-broadband terahertz coherent detection via a silicon nitride-based deep sub-wavelength metallic slit. <i>APL Photonics</i> , 2018, 3, 110805.	5.7	11
223	Nonlinear optical response and self-trapping of light in biological suspensions. <i>Advances in Physics: X</i> , 2020, 5, 1778526.	4.1	11
224	Asymmetric spectrum evolution of high power short pulses in AlGaAs waveguides. <i>Optics Communications</i> , 2005, 249, 201-208.	2.1	10
225	Temporal Talbot phenomena in high-order dispersive media. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 113.	2.1	10
226	Skirting terahertz waves in a photo-excited nanoslit structure. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	10
227	Dynamically Emerging Topological Phase Transitions in Nonlinear Interacting Soliton Lattices. <i>Physical Review Letters</i> , 2021, 127, 184101.	7.8	10
228	Waveguide array-grating compressors. <i>Applied Physics Letters</i> , 2005, 87, 131104.	3.3	9
229	Design, fabrication and characterization of a specially apodized chirped grating for reciprocal second harmonic generation. <i>Optics Express</i> , 2015, 23, 5183.	3.4	9
230	Arbitrary Phase Access for Stable Fiber Interferometers. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000524.	8.7	9
231	Unveiling the Link between Airy-like Self-Acceleration and Diametric Drive Acceleration. <i>Physical Review Letters</i> , 2021, 127, 083901.	7.8	9
232	Terahertz microscopy assisted by semiconductor nonlinearities. <i>Optics Letters</i> , 2018, 43, 4997.	3.3	9
233	Polarization dependent properties of waveguide arrays: band-structure anomaly and high-band localizations. <i>Optics Express</i> , 2005, 13, 1762.	3.4	8
234	Spatial distribution clamping of discrete spatial solitons due to three photon absorption in AlGaAs waveguide arrays. <i>Optics Express</i> , 2012, 20, 1939.	3.4	8

#	ARTICLE	IF	CITATIONS
235	Tailoring and tuning of the broadband spectrum of a step-chirped grating based frequency doubler using tightly-focused Gaussian beams. <i>Optics Express</i> , 2013, 21, 29847.	3.4	8
236	Active terahertz two-wire waveguides. <i>Optics Express</i> , 2014, 22, 22340.	3.4	8
237	Second Harmonic Generation in AlGaAs Nanowaveguides. <i>Acta Physica Polonica A</i> , 2011, 120, 725-731.	0.5	8
238	Highly reconfigurable hybrid laser based on an integrated nonlinear waveguide. <i>Optics Express</i> , 2019, 27, 25251.	3.4	8
239	Optical generation and control of spatial Riemann waves. <i>Optics Letters</i> , 2019, 44, 3542.	3.3	8
240	Performance of the new plastic scintillator NE110A for the CLAS large angle calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 381, 32-38.	1.6	7
241	The role of Bi <sup>3+</sup> ions in magneto-optic Ce and Bi comodified epitaxial iron garnet films. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	7
242	FLEA: Fresnel-limited extraction algorithm applied to spectral phase interferometry for direct field reconstruction (SPIDER). <i>Optics Express</i> , 2013, 21, 5743.	3.4	7
243	Temporal and spectral shaping of broadband terahertz pulses in a photoexcited semiconductor. <i>Applied Physics Letters</i> , 2015, 106, 051110.	3.3	7
244	Sub-wavelength terahertz beam profiling of a THz source via an all-optical knife-edge technique. <i>Scientific Reports</i> , 2015, 5, 8551.	3.3	7
245	Collapse on the line “ how synthetic dimensions influence nonlinear effects. <i>Scientific Reports</i> , 2019, 9, 9518.	3.3	7
246	Astrocombs for extreme-precision spectroscopy. <i>Nature Astronomy</i> , 2019, 3, 135-136.	10.1	7
247	Homodyne Solid-State Biased Coherent Detection of Ultra-Broadband Terahertz Pulses with Static Electric Fields. <i>Nanomaterials</i> , 2021, 11, 283.	4.1	7
248	Nonlinear transmission properties of a deep-etched microstructured waveguide. <i>Applied Physics Letters</i> , 2004, 84, 5437-5439.	3.3	6
249	Near-field imaging of nonlinear pulse propagation in planar silica waveguides. <i>Physical Review E</i> , 2005, 72, 066607.	2.1	6
250	Excitation of strongly confined scalar and vector self-trapped beams in one-dimensional arrays of Kerr-nonlinear channel waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 1432.	2.1	6
251	Strong Faraday rotation in Ce and Bi comodified epitaxial iron garnet films: Valence control through strain engineering. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	6
252	Beyond ballistic. <i>Nature Physics</i> , 2012, 8, 858-859.	16.7	6

#	ARTICLE	IF	CITATIONS
253	Collapse Arrest in Instantaneous Kerr Media via Parametric Interactions. <i>Physical Review Letters</i> , 2014, 113, 133901.	7.8	6
254	Improving nanoscale terahertz field localization by means of sharply tapered resonant nanoantennas. <i>Nanophotonics</i> , 2020, 9, 683-690.	6.0	6
255	All-optical RF spectrum analyzer with a 5 THz bandwidth based on CMOS-compatible high-index doped silica waveguides. <i>Optics Letters</i> , 2021, 46, 1574.	3.3	6
256	Integrated polarizers based on graphene oxide in waveguides and ring resonators. , 2020, , .		6
257	Epitaxial CBN growth for fast electro-optic tunable devices. , 2005, 5970, 275.		5
258	Correlation between surface chemistry and ion energy dependence of the etch yield in multicomponent oxides etching. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	5
259	Ultra-Fast Integrated All-Optical Integrator. , 2010, , .		5
260	The Dawn of Ultrafast Nonlinear Optics in the Terahertz Regime. <i>Springer Series in Optical Sciences</i> , 2012, , 297-323.	0.7	5
261	Effects of linear modes on the evolution of discrete solitons. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 62.	2.1	4
262	Polarization proximity effect in isolator crystal pairs. <i>Optics Letters</i> , 2008, 33, 2871.	3.3	4
263	THz imaging and spectroscopy using intense THz sources at the advanced laser light source. <i>Physics Procedia</i> , 2010, 5, 119-124.	1.2	4
264	Fixed-point attractor for chirp in nonlinear waveguide arrays. <i>Physical Review A</i> , 2012, 85, .	2.5	4
265	Terahertz Nanoantennas for Enhanced Spectroscopy. , 0, , .		4
266	Multichannel phase-sensitive amplification in a low-loss CMOS-compatible spiral waveguide. <i>Optics Letters</i> , 2017, 42, 4391.	3.3	4
267	Phase-Insensitive Scattering of Terahertz Radiation. <i>Photonics</i> , 2017, 4, 7.	2.0	4
268	On-chip frequency combs and telecommunications signal processing meet quantum optics. <i>Frontiers of Optoelectronics</i> , 2018, 11, 134-147.	3.7	4
269	Terahertz control of air lasing. <i>Physical Review A</i> , 2019, 99, .	2.5	4
270	Third-order Riemann pulses in optical fibers. <i>Optics Express</i> , 2020, 28, 39827.	3.4	4



#	ARTICLE	IF	CITATIONS
271	Power-dependent switching of nonlinear trapping by local photonic potentials. Optics Letters, 2008, 33, 1056.	3.3	3
272	Direct Reading of the Nonlinear Optical Response via Spatial Mapping. Physical Review Applied, 2020, 14, .	3.8	3
273	A novel integrated laser source without a laser. SPIE Newsroom, 0, , .	0.1	3
274	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
275	Discrete vector solitons in Kerr nonlinear waveguide arrays. , 2003, , .		2
276	From linear to cubic nonlinear imaging effects in multimode waveguides. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 870.	2.1	2
277	Nonlinear Photonics in AlGaAs Photonics Nanowires: Self Phase and Cross Phase Modulation. , 2007, , .		2
278	Large Kerr nonlinearity in ultra-low loss high-index glass waveguides. , 2008, , .		2
279	Ultra-low power frequency conversion in high-index glass micro ring resonators. , 2008, , .		2
280	CMOS compatible waveguides for all-optical signal processing. , 2011, , .		2
281	Engineering the Response of Terahertz Metasurfaces by Spatial Arrangement of Split-Ring Resonators. , 2012, , .		2
282	Mirror transformation and super-focusing of Airy pulses under the action of third order dispersion. Proceedings of SPIE, 2013, , .	0.8	2
283	Counter-propagating difference-frequency generation in diamond with terahertz fields. , 2013, , .		2
284	Autoresonant Harmonic Generation in Nonuniform Crystals. , 2014, , .		2
285	Water Waves in Optical Fibers. Physics Magazine, 2014, 7, .	0.1	2
286	Broadband photonic RF channelizer based on micro-combs. , 2019, , .		2
287	Steering and Locking of Discrete Solitons in Optical Waveguide Arrays. Acta Physica Polonica A, 2001, 99, 57-65.	0.5	2
288	Time-Resolved Second-Order Coherence Characterization of Broadband Metallic Nanolasers. Laser and Photonics Reviews, 2021, 15, 2000593.	8.7	2

#	ARTICLE	IF	CITATIONS
289	Nonlinear Disorder Mapping via Three Wave Mixing in Poled Lithium Tantalate. , 2010, , .		2
290	Direct Generation of Orthogonally Polarized Photon Pairs via Spontaneous Non-Degenerate FWM on a Chip. , 2014, , .		2
291	Generation of multi-photon entangled states with integrated optical frequency comb sources. , 2016, , .		2
292	Integrated generation of complex optical quantum states and their coherent control. , 2018, , .		2
293	Integrated Kerr micro-comb sources for photonic microwave applications. , 2018, , .		2
294	Microcomb-based photonic local oscillator for broadband microwave frequency conversion. , 2019, , .		2
295	Reconfigurable microwave photonic transversal filter based on an integrated optical micro-comb source. , 2019, , .		2
296	Interactions of discrete solitons with defects and interfaces. , 0, , .		1
297	Waveguide Birefringence in Asymmetric Silicon-on-Insulator Nanowires. , 2006, , .		1
298	Evaluation of the Electro-Optic Response of Novel Calcium Barium Niobate Thin Films. , 2007, , .		1
299	Generation of High-Power Terahertz Pulses at the Advanced Laser Light Source (ALLS). , 2007, , .		1
300	Highly Electro-optical Calcium Barium Niobate Thin Films. , 2007, , .		1
301	Single beam mapping of nonlinear phase shift profiles in planar waveguides with an embedded mirror. Optics Express, 2007, 15, 12068.	3.4	1
302	Wave interactions and wave-structure scattering in nonlinear patterned waveguides. Mathematics and Computers in Simulation, 2009, 80, 666-673.	4.4	1
303	Large faraday effect in ce:biig epitaxial thin films. , 2009, , .		1
304	Ultrafast All-Optical Temporal Differentiation in Integrated Silicon-on-Insulator Bragg Gratings. , 2010, , .		1
305	Subpicosecond 200GHz soliton laser based on a C-MOS compatible integrated microring resonator. , 2010, , .		1
306	Nonlinear Optics in Doped Silica Glass Integrated Waveguide Structures. , 0, , .		1

#	ARTICLE	IF	CITATIONS
307	THz metamaterials using aligned metallic or semiconductor nanowires. , 2010, , .		1
308	Ultra-fast all-optical integrated differentiators in Bragg gratings. , 2010, , .		1
309	Control of the collapse of bimodal light beams by magnetically tunable birefringences. Optics Express, 2010, 18, 8879.	3.4	1
310	Spatial and spectral properties of small area THz generation for sub-wavelength microscopy. , 2010, , .		1
311	Monolithic CMOS compatible 1 <sup>st</sup> and 2 <sup>nd</sup> order 400GHz all-optical integrator. , 2011, , .		1
312	Notch Nonlinear Frequency Shift in AlGaAs Bragg Grating Waveguides. , 2011, , .		1
313	Highly Stable 200GHz Soliton Microring Resonator Laser based on Filter-Driven Four Wave Mixing. , 2011, , .		1
314	Optimization of Rare-earth Modified Iron Garnet Epitaxial Films for Magneto-Optic Applications. , 2012, , .		1
315	Toward On-Chip Phase-Sensitive Optical Temporal Waveform Measurements. IEEE Photonics Journal, 2012, 4, 633-637.	2.0	1
316	Stable Dual Mode High Repetition Rate Mode-Locked Laser Based on an Integrated Nonlinear Microring Resonator. , 2012, , .		1
317	Electromagnetically induced transparency in an individual Fano resonator metamaterial. , 2012, , .		1
318	Polarization-sensitive Magnetic Field Induced Modulation of Broadband THz Pulses in Liquid. , 2012, , .		1
319	Terahertz Field Induced Second Harmonic Coherent Detection Scheme based on a Biased Nonlinear Micro-slit. , 2014, , .		1
320	On-Chip, Single-Shot Characterization of GHz-Rate Complex Optical Signals. IEEE Photonics Technology Letters, 2014, 26, 2345-2348.	2.5	1
321	Characterization of ultra-high repetition rate mode-locked lasers with an integrated all-optical RF spectrum analyzer. , 2014, , .		1
322	Integrated nonlinear optical signal processing in CMOS compatible platforms. , 2015, , .		1
323	Conical nanoantenna arrays for terahertz light. , 2016, , .		1
324	Novel ultrafast sources on chip: filter driven four wave mixing lasers, from high repetition rate to burst mode operation. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
325	Repetition rate controllable filter-driven four wave mixing laser. , 2017, , .		1
326	Reconfigurable photonic RF filters based on integrated Kerr frequency comb sources. , 2019, , .		1
327	Reconfigurable fractional microwave signal processor based on a microcomb. , 2019, , .		1
328	Efficient direct mapping of the nonlinear optical response via modulated Airy beams. Optics Letters, 2021, 46, 3725.	3.3	1
329	Neuromorphic processing at 11 Tera-OPs with soliton crystal Kerr microcombs. , 2021, , .		1
330	On-chip generation of telecommunications-compatible ultrafast time-bin entangled qubits. , 2021, , .		1
331	Mathieu and Weber accelerating beams beyond the paraxial limit. , 2013, , .		1
332	Counter-Propagating Difference Frequency Mixing in Diamond with Terahertz Waves. , 2013, , .		1
333	Linearizing Nonlinear Optics. , 2017, , .		1
334	Subpicosecond Ultra High Speed Soliton Laser based on a C-MOS Compatible Integrated Microring Resonator. , 2010, , .		1
335	Integrated Kerr Comb-based Reconfigurable Transversal Differentiator for Microwave Photonic Signal Processing. , 2017, , .		1
336	Discrete Spatial Surface Solitons at the Interface Between Dissimilar Arrays. , 2007, , .		1
337	High-dimensional one-way quantum processing enabled by optical d-level cluster states. , 2019, , .		1
338	Efficient wavelength conversion and net parametric gain via FWM in a high index doped silica waveguide. , 2010, , .		1
339	Optical Parametric Oscillation on a Chip. , 2010, , .		1
340	Ultra High Speed Soliton Laser Based on a C-MOS Compatible Integrated Microring Resonator. , 2010, , .		1
341	CMOS Compatible Monolithic 1st and 2nd Order All-Optical Integrator. , 2012, , .		1
342	Mode-locked laser based on an integrated nonlinear microring resonator generating a dual comb.. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
343	Spectrum to Distance Mapping via Nonlinear Airy Pulses. , 2013, , .		1
344	On Chip Broadband Terahertz Detection via Four-Wave Mixing in Electrically Biased Silica Micro-Slits. , 2014, , .		1
345	Four Wave Mixing in a CMOS Compatible 5th Order Cascaded Ring Resonators. , 2015, , .		1
346	Quadrature Hybrid RF Photonic Coupler Using an Integrated Frequency Comb Source. , 2015, , .		1
347	Low-penalty up to 16-QAM wavelength conversion in a low loss CMOS compatible spiral waveguide. , 2016, , .		1
348	An ultra-narrow spectral width passively mode-locked laser. , 2017, , .		1
349	Microcomb-based RF transversal filters. , 2019, , .		1
350	Broadband Local Oscillator Free Photonic Microwave Mixer based on a Coherent Kerr Micro-Comb Source. , 2019, , .		1
351	Tunable Photonic RF Bandpass Filters based on an 80 Channel Kerr Micro-Comb Source. , 2019, , .		1
352	Orthogonally polarized optical single sideband generation based on integrated microring resonators. , 2019, , .		1
353	Applications of Kerr Micro-combs to RF Photonics. , 2019, , .		1
354	Microwave and Communications Applications of Microcombs. , 2019, , .		1
355	High-performance microwave photonic true time delays based on an integrated optical micro-comb source. , 2019, , .		1
356	Light-induced biological waveguides. , 2020, , .		1
357	Photonic RF fractional Hilbert transformers and filters based on integrated soliton crystal microcombs. , 2020, , .		1
358	Enhanced four-wave mixing in micro-ring resonators with integrated 2D layered graphene oxide films. , 2020, , .		1
359	Optical data transmission with high spectral efficiency at 44Terabits/s with a soliton crystal micro-comb. , 2021, , .		1
360	Photonic convolutional accelerator and neural network in the Tera-OPs regime based on soliton crystal Kerr microcombs. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
361	Towards telecom-compatible liquid-core fibers for low-power nonlinear signal processing. , 2021, , .		1
362	Tera-OP/s Neuromorphic Processing with Kerr Microcombs. , 2021, , .		1
363	11 Tera-OP/s photonic convolutional accelerator and deep optical neural network based on an integrated Kerr soliton crystal microcomb. , 2022, , .		1
364	RF and microwave photonic signal generation and processing based on Kerr micro-combs. , 2022, , .		1
365	Versatile, high bandwidth, RF and microwave photonic Hilbert transformers based on Kerr micro-combs. , 2022, , .		1
366	Optical Neuromorphic Processor at 11 TeraOP/s based on Kerr Soliton Crystal Micro-combs. , 2022, , .		1
367	Nonlinear interactions in discrete systems. , 0, , .		0
368	Discrete spatial solitons. , 0, , .		0
369	Discrete Vector Kerr Spatial Solitons in AlGaAs Array Waveguides. , 2002, , NLTuA3.		0
370	Spatial Scanning By Phase Controlled Discrete Beam Interactions in Kerr AlGaAs Waveguide Arrays. , 2002, , PDP4.		0
371	Interaction of coherent beams in Kerr nonlinear waveguide arrays. , 2003, , .		0
372	Time-frequency analysis of temporal talbot effect. , 0, , .		0
373	Excitation of discrete X-waves in nonlinear waveguide arrays. , 2006, , .		0
374	<title>Self-focusing, breakup and trapping of Raman-shifted femtosecond pulses in homogeneous slab and weakly coupled arrays of nonlinear glass Silica waveguides</title>. , 2006, 5975, 273.		0
375	Multiplication of periodic pulse train repetition rates using the self-imaging phenomenon in high order dispersive media. , 2006, , .		0
376	<title>Self focusing and trapping of Raman-shifted pulses in periodic nonlinear waveguides</title>. , 2006, 6259, 156.		0
377	Magneto optic iron garnet thin films for integrated optical applications. , 2006, , .		0
378	Nonlinear Surface Waves at the Interface of Discrete and Continuous Media. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
379	Spatio-temporal Effects in Nonlinear Discrete Media. , 2006, , .		0
380	Power Threshold of Discrete Surface Solitons. , 2007, , .		0
381	Cross-Phase modulation in AlGaAs photonic nanowires. , 2007, , .		0
382	Interaction-induced localization of self-defocusing discrete solitons. , 2007, , .		0
383	Electro-optic performances of novel calcium barium niobate thin films. , 2007, , .		0
384	Nonlinear wave interactions in patterned Silica and AlGaAs waveguides. Open Physics, 2008, 6, .	1.7	0
385	Generation of intense THz pulses in ZnTe. , 2008, , .		0
386	Ultra-low CW power wavelength conversion in high-index glass micro ring resonators. , 2008, , .		0
387	Effects of the foreign phases on the crystallization and growth of magneto-optic garnets films. , 2008, , .		0
388	Nonlinear Two-photon photodetection and autocorrelation in a GaAs MQW waveguide. , 2009, , .		0
389	Control of light collapse in magneto-optical Kerr media. , 2009, , .		0
390	Temporal pulse compression in low dispersion Hydex® glass integrated waveguides. , 2009, , .		0
391	Low power parametric wave-mixing in a zero dispersive CMOS compatible micro-ring resonator. , 2009, , .		0
392	Terahertz nonlinear spectroscopy of free-carriers in semiconductors. , 2009, , .		0
393	Nonlinear pulse processing in High Index Glass Integrated devices: pulse compression. , 2010, , .		0
394	Integrated optical hyper-parametric oscillator. , 2010, , .		0
395	Ultrafast all-optical temporal differentiation in integrated phase-shifted Bragg gratings. , 2010, , .		0
396	Supercontinuum Generation in an Integrated High-Index Glass Spiral Waveguide. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
397	Anisotropy of hot electron effective mass in n-doped InGaAs revealed by nonlinear THz-pump/THz-probe spectroscopy. , 2010, , .		0
398	Analysis on the Control of Nonlinear Light Collapse in Magneto-optical Kerr Media. , 2010, , .		0
399	Optical Parametric Oscillation in a High-index Doped Silica Glass Micro-ring Resonator. , 2010, , .		0
400	Integrated, Continuous Wave Second Harmonic Source Using AlGaAs Photonic Wire Waveguides. , 2010, , .		0
401	Evaluation of the Electromagnetic Hazard of intense THz pulses on neural cells. , 2010, , .		0
402	Terahertz nonlinear spectroscopy of free-carriers in direct bandgap semiconductors. Proceedings of SPIE, 2010, , .	0.8	0
403	CMOS compatible all-optical waveguides. , 2010, , .		0
404	Toward nonlinear magneto-optics: collapse detuning via magnetically adjustable linear and circular birefringences. , 2010, , .		0
405	Application of high power terahertz sources to nonlinear spectroscopy of direct bandgap semiconductors. , 2010, , .		0
406	Measurement of high time-bandwidth pulses on a chip with a phase sensitive optical oscilloscope. , 2011, , .		0
407	Highly stable 200GHz soliton microring resonator laser based on filter-driven four wave mixing. , 2011, , .		0
408	Terahertz diagonal macrocell planar metamaterials. , 2011, , .		0
409	Effects of the carrier density on the THz-induced nonlinearity in photoexcited GaAs. , 2011, , .		0
410	SPIDER on-chip: a subpicosecond phase sensitive optical oscilloscope. , 2011, , .		0
411	Quasi-TEM Mode Propagation in Dual-wire THz Waveguide. , 2011, , .		0
412	Third Harmonic Generation Enhancement in Nematic Liquid Crystals via Nonlocal Solitons Propagation. , 2011, , .		0
413	Continuous-wave Second Harmonic Generation in Sub-micron AlGaAs Waveguides. , 2011, , .		0
414	Response to "Comment on "The role of Bi <sup>3+</sup> ions in magneto-optic Ce and Bi comodified epitaxial iron garnet films" [Appl. Phys. Lett. 99, 126101 (2011)]. Applied Physics Letters, 2011, 99, .	3.3	0



#	ARTICLE	IF	CITATIONS
415	High index glass CMOS compatible all-optical chips for telecom and optical interconnects. , 2011, , .		0
416	Enhanced detection of broadband terahertz field by filamentation of chirped optical pulses. , 2011, , .		0
417	Nonlinear free-carrier velocity induced by intense terahertz pulse in photoexcited semiconductor materials. , 2011, , .		0
418	CMOS compatible chips for nonlinear optics. , 2012, , .		0
419	Absorption Bleaching in Silicon via High-Power Terahertz Pulses: Carrier Dependence. , 2012, , .		0
420	Self-locked low threshold OPO in a CMOS-compatible microring resonator. , 2012, , .		0
421	Electric-Field Induced Second-Harmonic FROG Characterization of Long-Wavelength, Few-Cycle Pulses. , 2012, , .		0
422	Enhanced Detection of Broadband Terahertz Fields via the Filamentation of Chirped Optical Pulses. , 2012, , .		0
423	Nonlinear terahertz metamaterials. , 2012, , .		0
424	Dual mode mode-locked laser based on an integrated nonlinear microring resonator. , 2012, , .		0
425	CMOS compatible micro-ring resonator lasers. , 2013, , .		0
426	Free-space Trajectory Management of Self-Accelerating Beams Through Fourier-space Phase Engineering. , 2013, , .		0
427	Self-referenced spectral-domain interferometry for terahertz detection. , 2013, , .		0
428	Intense terahertz-field-induced nonlinearity in graphene. , 2013, , .		0
429	Filter-driven four wave mixing dual-mode mode-locked laser based on an integrated nonlinear microring resonator. , 2013, , .		0
430	Mirror transformation of Airy pulses under the action of third order dispersion. , 2013, , .		0
431	Towards Nonlinear Terahertz Metamaterials. , 2013, , .		0
432	CMOS compatible chips for applications in nonlinear optics. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
433	A Non-Reciprocal Broadband Terahertz Isolator. , 2013, , .		0
434	Dynamical Two-Dimensional Accelerating Beams and Enhancement of Their Peak Intensities. , 2014, , .		0
435	Direct Generation of Orthogonally Polarized Photon Pairs on a Chip via Spontaneous Non-Degenerate FWM. , 2014, , .		0
436	Tunable Raman Soliton Self-Frequency Shift via an Asymmetric Airy Pulse. , 2014, , .		0
437	High performance platforms for integrated nonlinear optics. Proceedings of SPIE, 2014, , .	0.8	0
438	Resonant Radiation from Collapsing Light Pulses and Spatiotemporal Light Bullets. , 2014, , .		0
439	Intra-Pulse Raman Scattering Controlled via Asymmetric Airy Pulses. , 2014, , .		0
440	A wideband THz Time Domain Spectroscopy table-top system based on ultrafast pulsed laser: Model and experiments. , 2014, , .		0
441	Integrated Source of Multiplexed Heralded Photons. , 2014, , .		0
442	Integrated Source of Multiplexed Photon Pairs. , 2014, , .		0
443	Quantum photonic circuits for optical signal processing. , 2015, , .		0
444	Ultra-low power passive mode-locking using an integrated nonlinear microring resonator. , 2015, , .		0
445	Micro-Slit Based Coherent Detection of Terahertz Pulses in Biased, Solid State Media. , 2015, , .		0
446	Nonlinear Frequency Mixing in a Surface Nanoscale Axial Photonics Resonator. , 2015, , .		0
447	CMOS Compatible Platforms for Integrated Nonlinear Optics. Springer Series in Optical Sciences, 2015, , 35-70.	0.7	0
448	Four wave mixing in $5^{\text{th}}$ order cascaded CMOS compatible ring resonators. , 2015, , .		0
449	Nonlinear optical signal processing in high figure of merit CMOS compatible platforms. Proceedings of SPIE, 2015, , .	0.8	0
450	Passive mode-locking of transform-limited hundred-ps long pulses using an integrated nonlinear microring resonator. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
451	Real Time Measurements of Temporal Rogue Waves and Spontaneous Modulation Instability in Optical Fiber. , 2016, , .		0
452	On-chip Generation of Four-Photon Entangled Qubit States. , 2016, , .		0
453	On the optimization of tapered nanoantennas resonating in the terahertz range. , 2016, , .		0
454	Microwave and RF applications for micro-resonator based frequency combs. Proceedings of SPIE, 2016, , .	0.8	0
455	Generation of complex quantum states via integrated frequency combs. , 2017, , .		0
456	Frequency comb assisted characterisation of a filter-driven four wave mixing laser. , 2017, , .		0
457	Microwave and RF applications of micro-combs. , 2017, , .		0
458	Photonic microwave and RF signal processing based on optical micro-combs. , 2017, , .		0
459	Type II microcomb generation in a filter-driven four wave mixing laser. , 2017, , .		0
460	Four-wave mixing photon pair generation statistics for a nonlinear microcavity with chaotic and pulsed excitation. , 2017, , .		0
461	Reconfigurable microwave photonic differentiator based on an integrated Kerr frequency comb source. , 2017, , .		0
462	Affordable, ultra-broadband coherent detection of terahertz pulses via CMOS-compatible solid-state devices. , 2017, , .		0
463	A passively mode-locked nanosecond laser with an ultra-narrow spectral width. , 2017, , .		0
464	Real time measurements of ultrafast spontaneous modulation instability and rogue waves in optical fibre. , 2017, , .		0
465	Demonstration of on-chip multi-mode phase-sensitive amplification. , 2017, , .		0
466	Novel frontiers in the stabilization of FD-FWM microcombs. , 2017, , .		0
467	On-chip quantum state generation by means of integrated frequency combs. , 2017, , .		0
468	Thermal instability control by four wave mixing in optical microcavities. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
469	Pulsed quantum frequency combs from an actively mode-locked intra-cavity generation scheme. , 2017, , .		0
470	Robust controllable FD-FWM based Micro-combs. , 2018, , .		0
471	Figure-eight Laser with an Integrated Nonlinear Waveguide: All-optical Square-wave Generation. , 2018, , .		0
472	Generation and coherent manipulation of complex quantum states based on integrated frequency combs. , 2018, , .		0
473	Noise Contributions in On-Chip Four-Photon States. , 2018, , .		0
474	Generation and Coherent Control of Pulsed Quantum Frequency Combs. Journal of Visualized Experiments, 2018, , .	0.3	0
475	On-chip Generation, Coherent Control and Processing of Complex Entangled Photon States. , 2019, , .		0
476	Self-Healing Dynamically Controllable Micro-Comb. , 2019, , .		0
477	Linearizing Nonlinear Optics. EPJ Web of Conferences, 2019, 205, 01007.	0.3	0
478	Observation of Laser-Cavity Solitons in Micro-Resonators. , 2019, , .		0
479	Molecular Gases for Low Energy Pulse Compression in Hollow Core Fibers. , 2019, , .		0
480	Designing Time and Frequency Entanglement for Generation of High-Dimensional Photon Cluster States. , 2020, , .		0
481	Time-resolved second-order correlation measurements of metallic coaxial nanolasers under pulsed optical excitation. , 2021, , .		0
482	Time-Domain Integration of Terahertz pulses. , 2021, , .		0
483	Guiding of Laser Pulses at the Theoretical Limit " 97% Throughput Hollow-Core Fibers. , 2021, , .		0
484	Extreme Raman Red-Shift in Nitrogen-Filled Capillary Fibers. , 2021, , .		0
485	Multipartite d-level photon cluster states and practical entanglement detection through witness operators. , 2021, , .		0
486	Death and rebirth through nonlinear control. Science, 2021, 372, 32-33.	12.6	0

#	ARTICLE	IF	CITATIONS
487	Emergence of Laser Cavity-Solitons in a Microresonator-Filtered Fiber Laser. , 2021, , .		0
488	3D-Printed Resonant Gold Nanocones for Out-of-Plane Terahertz-Field-Driven Electron Photoemission. , 2021, , .		0
489	Emergence of Laser Cavity-Solitons in a Microresonator-Filtered Fiber Laser. , 2021, , .		0
490	Fiber Interferometers for Time-domain Quantum Optics. , 2021, , .		0
491	Strong Spatiotemporal Localization in an Array of Silica Waveguides. , 2002, , .		0
492	Phase-Controlled Nonlinear Beam Interaction in Kerr- Nonlinear Waveguide Arrays. , 2002, , .		0
493	Band-gap structure of waveguide arrays and excitation of Floquet-Bloch Solitons. , 2002, , .		0
494	The action of linear modes on the evolution and on the decay of discrete solitons. , 2002, , .		0
495	Solitons in discrete optical systems. , 2003, , .		0
496	Beam Interactions with a "Blocker" Soliton in 1D Arrays. , 2004, , .		0
497	Quasi-stable propagation of short laser pulses in silica waveguide arrays in the anomalous dispersion regime. , 2004, , .		0
498	Near-field imaging of nonlinear spatiotemporal focusing in a planar silica waveguide. , 2004, , .		0
499	Blocking Beam interactions in 1D Waveguide Arrays. , 2004, , .		0
500	Observation of discrete gap solitons in binary waveguide arrays. , 2004, , .		0
501	Immobile Gap-solitons in waveguide arrays. , 2004, , .		0
502	First Observation of Discrete Modulational Instability in AlGaAs Waveguide Arrays. , 2004, , .		0
503	Linear and cubic nonlinear properties of AlGaAs multimode waveguides. , 2004, , .		0
504	Optical Routing by Sequential Incoherent Blocker Soliton-Control Beam Interactions in Kerr Waveguide Arrays. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
505	Near-field imaging of short pulse dynamics in nonlinear planar silica waveguides. , 2005, , .		0
506	Dependence of Discrete Surface Soliton Power Thresholds on Inter-Channel Coupling and Distance into Array. , 2007, , .		0
507	Interaction-induced localization of self-defocusing discrete solitons. , 2007, , .		0
508	Discrete Spatial Surface Solitons at the Interface Between Dissimilar Arrays. , 2007, , .		0
509	Accessible Light Bullets. , 2009, , .		0
510	Terahertz Open-Aperture Z-Scan in Doped InGaAs. , 2009, , .		0
511	Magneto-optical Control of Nonlinear Collapse. , 2009, , .		0
512	Magneto-optical Control of Nonlinear Light Collapse. , 2009, , .		0
513	Novel Ce:BiIG Epitaxial Thin Films for Magneto-Optical Applications. , 2009, , .		0
514	Ultra-Low Power Frequency Conversion in High-Index Doped Silica Glass Micro-Ring Resonators. , 2009, , .		0
515	Effect and elimination of source position shifting in two-color plasma terahertz sources. , 2009, , .		0
516	Magnetic Proximity Effect in Isolator Crystal Pairs. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2009, 5, 145-148.	0.4	0
517	Temporal Pulse Compression in High-Index Doped Silica Glass Integrated Waveguides. , 2009, , .		0
518	Intensity Correlations in Disordered Photonic Lattices. , 2009, , .		0
519	Control of nonlinear collapse in magneto-optical Kerr media. Photonics Letters of Poland, 2009, 1, .	0.4	0
520	Enhancement of third harmonic generation in nonlocal solitons. , 2010, , .		0
521	Towards High-Power Terahertz Emitters using Large Aperture ZnSe Photoconductive Antennas. , 2010, , .		0
522	All-Optical Differentiation of Ultrashort Pulses based on $\pi$ -Phase-Shifted Integrated Bragg Gratings. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
523	Ultra-low Power Frequency Conversion in Two-photon-absorption Free Micro Ring Resonator. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2010, 6, 279-282.	0.4	0
524	Net Parametric Gain in a High Index Doped Silica Waveguide. , 2010, , .		0
525	Ultrafast Optical Pulse Compression on a Chip. , 2010, , .		0
526	Spectral Phase Clamping in Waveguide Arrays. , 2010, , .		0
527	Time lens for Sub-picosecond Optical Pulse Measurement on a Chip. , 2010, , .		0
528	Generation of bullet trains via temporal modulation instability in nonlocal solitons. , 2010, , .		0
529	All optical wavelength conversion in an integrated ring resonator. , 2010, , .		0
530	Optical Bullet Trains via Modulation Instability in Nonlocal Solitons. , 2010, , .		0
531	Time-lens for Sub-picosecond Optical Pulse Measurement on a Chip. , 2010, , .		0
532	Continuous-wave Second Harmonic Generation in Submicron AlGaAs Waveguides. , 2010, , .		0
533	CMOS Compatible All-Optical Chips. , 2010, , .		0
534	Space-time features of THz emission from optical rectification in sub-wavelength areas. , 2011, , .		0
535	Sub-ps Laser Based on a CMOS Compatible Integrated Microring Resonator. , 2011, , .		0
536	Notch Nonlinear Frequency Shift in AlGaAs Bragg Grating Waveguides. , 2011, , .		0
537	Broadband enhanced 26 MV/cm THz radiation in uniform nano-slit arrays. , 2011, , .		0
538	Integrated Temporal Fourier Transformer Based on Chirped Bragg Grating Waveguides. , 2011, , .		0
539	SPIDER on a chip: a phase sensitive ultrafast oscilloscope. , 2011, , .		0
540	Improving optical-to-THz conversion efficiency using a binary phase mask. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
541	Ultrafast THz pulse shaping: generation of Half-cycle pulse from multi-cycle THz pulse. , 2011, , .		0
542	Ultrafast Nonlinear Terahertz Metamaterials. , 2012, , .		0
543	Fresnel-Limited Extraction Algorithm for X-SPIDER. , 2012, , .		0
544	A novel extraction algorithm for spectral phase interferometry. , 2012, , .		0
545	Terahertz Resonant Dipole Nanoantennas. , 2012, , .		0
546	Double comb generated by a mode-locked laser based on an integrated nonlinear microring resonator. , 2012, , .		0
547	High-intensity self-accelerating Airy pulses and controllable spectral shifting in nonlinear Kerr media. , 2012, , .		0
548	A self-locking scheme for robust parametric oscillation in CMOS-compatible microring resonators. , 2012, , .		0
549	Self-locked OPO in CMOS-compatible microring resonators. , 2012, , .		0
550	Novel Ultrafast Integrated Sources based on Nonlinear Frequency Conversion. , 2012, , .		0
551	Parametric oscillation in CMOS-compatible microring resonators induced with a self-locking scheme. , 2012, , .		0
552	Fresnel-Limited Extraction Algorithm for on chip SPIDER. , 2012, , .		0
553	Measurement of high time-bandwidth pulses on a chip with SPIDER. Photonics Letters of Poland, 2012, 4, .	0.4	0
554	Influence of the magneto-optic effects on a light self-focusing in Kerr media. Photonics Letters of Poland, 2012, 4, .	0.4	0
555	Observation of Collapse Arrest in Pure Kerr Media Sustained by a Parametric Interaction. , 2013, , .		0
556	Complete Pump Depletion by Autoresonant Wave Mixing in Nonuniform Second Order Media. , 2013, , .		0
557	On-chip single-shot and real-time self-referenced phase characterization of GHz-rate telecommunication signals. , 2013, , .		0
558	Effect of a Tightly Focused Gaussian Beam on the Broadband SHG Response of Chirped Poled Lithium Niobate. , 2013, , .		0



#	ARTICLE	IF	CITATIONS
559	Terahertz Characterization via an All-Optical, Ultra-Thin-Knife-Edge Technique. , 2013, , .		0
560	Low Dispersion Propagation of Broadband THz Pulses in a Two-Wire Waveguide. , 2013, , .		0
561	Self-referenced Spectral-Domain Interferometry for THz Detection. , 2013, , .		0
562	A Scaling Mechanism for Increasing the Terahertz Emission from Ionization of Air. , 2013, , .		0
563	Ultra-sharp Resonances Based on Conductive Coupling of Split Ring Resonators. , 2013, , .		0
564	Scaling up of intense terahertz pulses pumped with 800 nm light pulse. , 2014, , .		0
565	Orthogonally polarized correlated photon pair generation on a chip via self-pumped spontaneous non-degenerate FWM. , 2014, , .		0
566	Temperature Dependence of Terahertz Transmission through Photoexcited Graphene. , 2014, , .		0
567	First Experimental Observation of Optical Bloch-Oscillations. , 1999, , .		0
568	Steering of Discrete Solitons. , 1999, , .		0
569	Multi-Correlated Two-Photon States within an Integrated Quantum Frequency Comb. , 2015, , .		0
570	Four Wave Mixing in 5th Order Cascaded CMOS Compatible Ring Resonators. , 2015, , .		0
571	Burst-mode operation of a 655GHz mode locked laser based on an 11-th order microring resonator. , 2015, , .		0
572	Laser Guided Curved Electric Discharges. , 2015, , .		0
573	Integrated bi-chromatically pumped optical parametric oscillator for orthogonally polarized photon pair generation. , 2015, , .		0
574	Integrated Frequency Comb of Time-Bin Entangled Photon Pairs. , 2015, , .		0
575	Temporal Hilbert Transform Based on an Integrated Frequency Comb Source. , 2016, , .		0
576	Autoresonant Three-Wave-Mixing in Non-Uniform Second-Order Nonlinear Bulk Crystals. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
577	Integrated Quantum Frequency Comb Source of Entangled Qubits. , 2016, , .		0
578	Asymmetric Dual-Grating Micro-Slit Configuration for Broadband Solid State Coherent Detection of THz Pulses. , 2016, , .		0
579	Four Mode Multi-correlated Bi-Photon States within an Integrated Quantum Frequency Comb. , 2016, , .		0
580	Wavelength Conversion of QPSK and 16-QAM Coherent Signals in a CMOS Compatible Spiral Waveguide. , 2016, , .		0
581	Phase-Sensitive Amplification with Net Gain in Low-Loss Integrated Waveguides. , 2016, , .		0
582	Nanosecond passively mode-locked laser with a hundred megahertz spectral bandwidth. , 2016, , .		0
583	Real-Time Measurements of Ultrafast Spontaneous Modulation Instability in Optical Fiber. , 2017, , .		0
584	Entanglement generation with integrated optical frequency comb sources. , 2017, , .		0
585	Deep UV pulse shaping at 207nm via Frequency domain Nonlinear Optics (FNO). , 2017, , .		0
586	Efficient Broadband Optical Parametric Amplification in Non-Uniform Bulk Crystals. , 2017, , .		0
587	Optical intensity square root differentiator based on an integrated Kerr frequency comb source. , 2017, , .		0
588	Optimal energy confinement of optical Airy3 bullets. , 2017, , .		0
589	Deep penetration of light through suspensions of red blood cells. , 2017, , .		0
590	Integrated generation of high-dimensional entangled photon states and their coherent control. , 2017, , .		0
591	Controlling Cherenkov Radiation Emission through Self-accelerating Wave-packets. , 2017, , .		0
592	Filter-Driven Four Wave Mixing Laser with a Controllable Repetition Rate. , 2017, , .		0
593	Pulsed Quantum Frequency Combs from an Actively Mode-Locked Intra-Cavity Generation Scheme. , 2017, , .		0
594	Four-Wave Mixing Photon Pair Generation Statistics for a Nonlinear Microcavity with Chaotic and Pulsed Excitation. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
595	Multi-Channel Phase-Sensitive Amplification in Nonlinear Waveguides. , 2017, , .		0
596	Multi-dimensional Imaging in the Terahertz Regime for Theranostic Applications. , 2017, , .		0
597	Type II Micro-comb based on a Filter-Driven Four Wave Mixing Laser. , 2017, , .		0
598	Real time measurements of spontaneous breathers generated by modulation instability in optical fibre (Conference Presentation). , 2017, , .		0
599	Reconfigurable microwave photonic transversal filter based on an integrated Kerr comb. , 2018, , .		0
600	Framework for complex quantum state generation and coherent control based on on-chip frequency combs. , 2018, , .		0
601	Integrated Kerr optical frequency comb-based broadband RF channelizer. , 2018, , .		0
602	Integrated Kerr comb-based reconfigurable transversal differentiator for microwave photonic signal processing. , 2018, , .		0
603	Microwave and RF Photonic Applications of Integrated Kerr Micro-Combs. , 2018, , .		0
604	On-chip quantum optical frequency comb sources. , 2018, , .		0
605	Layered Graphene Oxide Films for Enhanced Nonlinear Optics in Integrated Waveguides. , 2019, , .		0
606	High-dimensional one-way quantum computation operations with on-chip optical d-level cluster states. , 2019, , .		0
607	Low Energy Hollow Core Fiber Pulse Compression Using Molecular Gases. , 2019, , .		0
608	Graphene oxide for enhanced nonlinear optics in integrated waveguides. , 2019, , .		0
609	Waveguides of Light through Red Blood Cells. , 2019, , .		0
610	Enhanced four-wave mixing in hybrid integrated waveguides with graphene oxide. , 2019, , .		0
611	Enhanced four-wave mixing in micro-ring resonators integrated with layered graphene oxide films. , 2020, , .		0
612	Guiding of Laser Pulses at the Theoretical Limit – 97% Throughput Hollow-Core Fibers. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
613	Multipartite d-Level Two-Photon Cluster States and Their Entanglement Detection Via Feasible Witness Operators. , 2020, , .		0
614	Unambiguous Phase Retrieval in Fiber-based Interferometers. , 2020, , .		0
615	Polarization rotation measurements via a high-order vector beam generated by a metasurface. , 2020, , .		0
616	Distinct Laser Dynamics from a Single Figure-Eight Laser with an Integrated Nonlinear Waveguide. , 2020, , .		0
617	Photon correlation control in integrated quantum frequency combs. , 2020, , .		0
618	Tapered Two-Wire Waveguide for Time-Domain Integration of Broadband Terahertz Pulses. , 2021, , .		0
619	Real-Time Study of Coexisting States in Laser Cavity Solitons. , 2021, , .		0
620	Spontaneous Emergence of Microresonator Laser Cavity- Solitons. , 2021, , .		0
621	On-chip generation and characterization of densely-spaced time-bin entangled qubits. , 2021, , .		0
622	Broadband RF channelization using microcombs. , 2020, , .		0
623	Generation and coherent manipulation of complex entangled photon states based on integrated quantum frequency combs. , 2020, , .		0
624	Third-order Riemann Pulses in Optical Fiber. , 2020, , .		0
625	Kerr Micro-combs for Radio Frequency Photonics -INVITED. EPJ Web of Conferences, 2020, 238, 01004.	0.3	0
626	Optical frequency comb generation by hybrid mode-locking in a nested cavity scheme. , 2020, , .		0
627	Integrated waveguide and micro-ring resonator polarizers with 2D layered graphene oxide films. , 2020, , .		0
628	Homodyne Coherent Detection of THz Pulses via DC-biased Solid-State Devices. , 2020, , .		0
629	Extreme Raman-Induced Spectral Broadening in Nitrogen-Filled Hollow-Core Fibers. , 2020, , .		0
630	Induced Photon Correlations by the Superposition of Two Four-Wave Mixing Processes on a Photonic Chip. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
631	Microcombs Eased on Laser Cavity Solitons. , 2020, , .		0
632	Field-driven electron photoemission via 3D-printed terahertz resonant vertical nanostructures. , 2021, , .		0
633	On-chip time and frequency modes for the generation and processing of complex photon states. , 2021, , .		0
634	Laser Cavity Solitons and Turing Patterns in Microresonator Filtered Lasers. , 2020, , .		0
635	Dynamic Terahertz Investigation of Nanoparticle-assisted Laser-tissue Interaction. , 2020, , .		0
636	All-optical Sampling for Adaptive On-Chip Picosecond Pulse-Shaping. , 2021, , .		0
637	Guiding of Laser Pulses at the Theoretical Limit â€” 97% Throughput Hollow-Core Fibers. , 2021, , .		0
638	Supporting the Quantum Photonics Supply Chain with Scalable, Fiber-Compatible Instruments. , 2021, , .		0
639	Two-photon multi-partite d-level cluster states and witness operators for their practical entanglement detection. , 2021, , .		0
640	Temporal dynamics of second-order correlation function in nanolasers. , 2021, , .		0
641	Ultrafast Sampling Oscilloscope for Arbitrary Single Photon Waveforms. , 2021, , .		0
642	Few-Cycle Visible Light Generation in a Hollow-Core Fiber. , 2021, , .		0
643	Picosecond Pulse Shaping via On-Chip Interferometry. , 2021, , .		0
644	Mapping of Nonlinear Response via a Modulated Airy Beam. , 2021, , .		0
645	Terahertz multi-dimensional imaging for nanoparticle-assisted therapeutics. , 2022, , .		0
646	Telecom-compatible, on-chip generation and processing of complex photon states in time and frequency. , 2022, , .		0
647	Memory Effects in High-Dimensional Systems Faithfully Identified by Hilbertâ€”Schmidt Speed-Based Witness. Entropy, 2022, 24, 395.	2.2	0
648	User-friendly, reconfigurable all-optical signal processing with integrated photonics. , 2022, , .		0