

Roberta Ramponi

List of Publications by Year in descending order

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299
papers

8,489
citations

66315

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h-index

51562

86
g-index

301
all docs

301
docs citations

301
times ranked

5964
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum technologies in diamond enabled by laser processing. Applied Physics Letters, 2022, 120, .	1.5	9
2	Integrated Magnetometry Platform with Stackable Waveguide-Assisted Detection Channels for Sensing Arrays. Physical Review Applied, 2021, 15, .	1.5	13
3	Morphological Study of Nanostructures Induced by Direct Femtosecond Laser Ablation on Diamond. Micromachines, 2021, 12, 583.	1.4	3
4	Measurement of the muon transfer rate from muonic hydrogen to oxygen in the range 70-336 K. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 403, 127401.	0.9	4
5	Photonic implementation of artificial synapses in ultrafast laser inscribed waveguides in chalcogenide glass. Applied Physics Letters, 2021, 119, .	1.5	5
6	Femtosecond laser writing of integrated photonic circuits in diamond. EPJ Web of Conferences, 2021, 255, 12006.	0.1	0
7	The FAMU experiment: muonic hydrogen high precision spectroscopy studies. European Physical Journal A, 2020, 56, 1.	1.0	23
8	First measurement of the temperature dependence of muon transfer rate from muonic hydrogen atoms to oxygen. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126667.	0.9	4
9	Laser-Inscribed Diamond Waveguide Resonantly Coupled to Diamond Microsphere. Molecules, 2020, 25, 2698.	1.7	2
10	Coherent emission from fully Er ³⁺ -doped monolithic 1-D dielectric microcavity fabricated by rf-sputtering. Optical Materials, 2019, 87, 107-111.	1.7	27
11	Chromium oxide formation on nanosecond and femtosecond laser irradiated thin chromium films. Optical Materials, 2019, 95, 109206.	1.7	14
12	The efficacy of plasmonic model to calculate HSFL nanostructure period in Sapphire. Journal of Physics: Conference Series, 2019, 1310, 012017.	0.3	1
13	Femtosecond Laser Inscription of Integrated Diamond Quantum Photonics for Quantum Information and Sensing. , 2019, , .		0
14	Quantum Microâ€“Nano Devices Fabricated in Diamond by Femtosecond Laser and Ion Irradiation (Adv.) Tj ETQq0 0,0 rgBT /Qverlock 10	1.8	8
15	Femtosecond laser written diamond waveguide excitation of the whispering gallery modes in a silicon microsphere. Optical Materials, 2019, 92, 418-424.	1.7	6
16	Quantum Microâ€“Nano Devices Fabricated in Diamond by Femtosecond Laser and Ion Irradiation. Advanced Quantum Technologies, 2019, 2, 1900006.	1.8	31
17	Femtosecond laser inscription of nonlinear photonic circuits in Gallium Lanthanum Sulphide glass. JPhys Photonics, 2019, 1, 015006.	2.2	9
18	Femtosecond laser written photonic and microfluidic circuits in diamond. JPhys Photonics, 2019, 1, 022001.	2.2	40

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19	Low-Threshold Coherent Emission at 1.5 μm from Fully Er ³⁺ Doped Monolithic 1D Dielectric Microcavity Fabricated Using Radio Frequency Sputtering. <i>Ceramics</i> , 2019, 2, 74-85.	1.0	4
20	Laser-Inscribed Glass Microfluidic Device for Non-Mixing Flow of Miscible Solvents. <i>Micromachines</i> , 2019, 10, 23.	1.4	14
21	SiO ₂ -SnO ₂ transparent glass-ceramics activated by rare earth ions. , 2019, , .		4
22	Polarized micro-Raman studies of femtosecond laser written stress-induced optical waveguides in diamond. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	21
23	The FAMU experiment at RIKEN-RAL to study the muon transfer rate from hydrogen to other gases. <i>Journal of Instrumentation</i> , 2018, 13, P12033-P12033.	0.5	9
24	Ablation of Copper Metal Films by Femtosecond Laser Multipulse Irradiation. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1826.	1.3	21
25	Laser surface structuring of diamond with ultrashort Bessel beams. <i>Scientific Reports</i> , 2018, 8, 14021.	1.6	23
26	Femtosecond laser written diamond waveguides: A step towards integrated photonics in the far infrared. <i>Optical Materials</i> , 2018, 85, 183-185.	1.7	17
27	First FAMU observation of muon transfer from $\hat{1}/4p$ atoms to higher-Z elements. <i>Journal of Instrumentation</i> , 2018, 13, P02019-P02019.	0.5	5
28	Optical NP problem solver on laser-written waveguide platform. <i>Optics Express</i> , 2018, 26, 702.	1.7	16
29	Integrated waveguides and deterministically positioned nitrogen vacancy centers in diamond created by femtosecond laser writing. <i>Optics Letters</i> , 2018, 43, 3586.	1.7	59
30	Silicon microsphere whispering gallery modes excited by femtosecond-laser-inscribed glass waveguides. <i>Applied Optics</i> , 2018, 57, 3687.	0.9	9
31	Femtosecond laser written diamond photonics. , 2018, , .		0
32	One-dimensional disordered photonic structures with two or more materials. , 2018, , .		0
33	1-D Photonic Crystals Fabricated by RF Sputtering Towards Photonic Applications. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2017, , 563-564.	0.2	0
34	Tailoring the optical properties of one-dimensional (1D) photonic structures. , 2017, , .		0
35	Observing quantum interference in 3D integrated-photonic symmetric multiports. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
36	Glass and glass-ceramic photonic systems. , 2017, , .		2

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37	Bulk diamond optical waveguides fabricated by focused femtosecond laser pulses. , 2017, , .		0
38	On chip analysis of path-polarization hyperentangled cluster photon states. , 2017, , .		1
39	How Plasmonic excitation influences the LIPSS formation on diamond during multipulse femtosecond laser irradiation ?. EPJ Web of Conferences, 2017, 139, 00008.	0.1	1
40	Origin of femtosecond laser induced periodic nanostructure on diamond. AIP Advances, 2017, 7, .	0.6	25
41	Study of graphitic microstructure formation in diamond bulk by pulsed Bessel beam laser writing. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	13
42	Raman spectroscopy of femtosecond laser written low propagation loss optical waveguides in Schott N-SF8 glass. Optical Materials, 2017, 72, 626-631.	1.7	6
43	Two temperature approach to femtosecond laser oxidation of molybdenum and morphological study. Applied Surface Science, 2017, 421, 213-219.	3.1	16
44	Pulsed Bessel beam-induced high aspect ratio microstructures on diamond substrate for microfluidics and biosensing applications. , 2017, , .		0
45	Genetic algorithms to learn an unknown linear transformation. , 2017, , .		0
46	Pulsed Bessel beam-induced microchannels on a diamond surface for versatile microfluidic and sensing applications. Optical Materials Express, 2017, 7, 1962.	1.6	21
47	Learning an unknown transformation via a genetic approach. Scientific Reports, 2017, 7, 14316.	1.6	24
48	Visible to Infrared Diamond Photonics Enabled by Focused Femtosecond Laser Pulses. Micromachines, 2017, 8, 60.	1.4	26
49	Femtosecond laser inscription of Bragg grating waveguides in bulk diamond. Optics Letters, 2017, 42, 3451.	1.7	35
50	Generalized Quantum Fast Transformations via Femtosecond Laser Writing Technique. Interdisciplinary Information Sciences, 2017, 23, 115-118.	0.2	1
51	Steps towards the hyperfine splitting measurement of the muonic hydrogen ground state: pulsed muon beam and detection system characterization. Journal of Instrumentation, 2016, 11, P05007-P05007.	0.5	31
52	2015 International Year of Light and beyond. Journal of Optics (United Kingdom), 2016, 18, 010201.	1.0	1
53	Path-polarization hyperentangled and cluster states of photons on a chip. Light: Science and Applications, 2016, 5, e16064-e16064.	7.7	73
54	Glass-based 1-D dielectric microcavities. Optical Materials, 2016, 61, 11-14.	1.7	5

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55	Highly integrated lab-on-a-chip for fluorescence detection. <i>Optical Engineering</i> , 2016, 55, 097102.	0.5	8
56	Excitation of silicon microspheres resonances with femtosecond laser fabricated glass waveguides. , 2016, , .		1
57	Diamond photonics platform enabled by femtosecond laser writing. <i>Scientific Reports</i> , 2016, 6, 35566.	1.6	96
58	Suppression law of quantum states in a 3D photonic fast Fourier transform chip. <i>Nature Communications</i> , 2016, 7, 10469.	5.8	105
59	Titanium oxide nanocoating on a titanium thin film deposited on a glass substrate. <i>Thin Solid Films</i> , 2016, 603, 446-451.	0.8	7
60	Observing Multi-Photon Interference and Suppression Laws in 3D Photonic Chips. , 2016, , .		0
61	Thermo optical coefficient of tin-oxide films measured by ellipsometry. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	9
62	Experimental scattershot boson sampling. <i>Science Advances</i> , 2015, 1, e1400255.	4.7	184
63	Photonic glass-ceramics: consolidated outcomes and prospects. , 2015, , .		4
64	Thermally reconfigurable quantum photonic circuits at telecom wavelength by femtosecond laser micromachining. <i>Light: Science and Applications</i> , 2015, 4, e354-e354.	7.7	103
65	Optical field enhanced nonlinear absorption and optical limiting properties of 1-D dielectric photonic crystal with ZnO defect. <i>Optical Materials</i> , 2015, 50, 229-233.	1.7	45
66	Plasmonic Heavily-Doped Semiconductor Nanocrystal Dielectrics: Making Static Photonic Crystals Dynamic. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2775-2782.	1.5	14
67	Particle Statistics Affects Quantum Decay and Fano Interference. <i>Physical Review Letters</i> , 2015, 114, 090201.	2.9	56
68	Optical properties of one-dimensional disordered multilayer photonic structures. , 2015, , .		3
69	Metal oxide one dimensional photonic crystals made by RF sputtering and spin coating. <i>Ceramics International</i> , 2015, 41, 8655-8659.	2.3	30
70	Femtosecond laser micromachining for the realization of fully integrated photonic and microfluidic devices. <i>Proceedings of SPIE</i> , 2015, , .	0.8	4
71	Femtosecond laser surface structuring of molybdenum thin films. <i>Applied Surface Science</i> , 2015, 353, 1334-1341.	3.1	25
72	Glass-ceramics for photonics: Laser material processing. , 2015, , .		1

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73	Metal and Metal Oxide Transformation and Texturing Using Pulsed Fiber Laser. Materials Today: Proceedings, 2015, 2, 3950-3956.	0.9	6
74	Disorder in Photonic Structures Induced by Random Layer Thickness. Science of Advanced Materials, 2015, 7, 1207-1212.	0.1	42
75	Glass-based confined structures enabling light control. AIP Conference Proceedings, 2015, , .	0.3	0
76	Quantum simulation of bosonic-fermionic noninteracting particles in disordered systems via a quantum walk. Physical Review A, 2014, 89, .	1.0	28
77	Integrated optical waveplates fabricated by femtosecond laser micromachining. , 2014, , .		0
78	Femtosecond laser fabricated microfluorescence-activated cell sorter for single cell recovery. , 2014, , .		0
79	Bayesian approach to Boson sampling validation. International Journal of Quantum Information, 2014, 12, 1560028.	0.6	36
80	Fresnel lenses fabricated by femtosecond laser micromachining on polymer one-dimensional photonic crystal. Optical Engineering, 2014, 53, 071813.	0.5	2
81	Waveguide arrays for light harvesting in microfluidic chips. Optical Engineering, 2014, 53, 071811.	0.5	3
82	Nonlinear Optical Waveguides in Stoichiometric Lithium Tantalate. Springer Series in Materials Science, 2014, , 79-98.	0.4	0
83	Coated spherical microresonators for cutting-edge photonics application. , 2014, , .		0
84	Rotated waveplates in integrated waveguide optics. Nature Communications, 2014, 5, 4249.	5.8	111
85	Tailoring of the free spectral range and geometrical cavity dispersion of a microsphere by a coating layer. Optics Letters, 2014, 39, 5173.	1.7	27
86	Focused femtosecond laser pulses: A versatile tool for three-dimensional writing of micro-nano devices. , 2014, , .		2
87	Femtosecond laser surface structuring and oxidation of chromium thin coatings: Black chromium. Applied Surface Science, 2014, 321, 560-565.	3.1	28
88	Experimental validation of photonic boson sampling. Nature Photonics, 2014, 8, 615-620.	15.6	244
89	Fabrication of Quantum Photonic Integrated Circuits by Means of Femtosecond Laser Pulses. Foundations of Physics, 2014, 44, 843-855.	0.6	5
90	Arbitrary integrated multimode interferometers for the elaboration of photonic qubits. , 2014, , .		1

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91	Experimental Boson Sampling with integrated photonics. , 2014, , .		0
92	Femtosecond laser micromachining for optofluidic and energy applications. Optical Materials, 2013, 36, 102-105.	1.7	6
93	Optical manipulation of single cells in femtosecond laser fabricated lab-on-chip. , 2013, , .		0
94	General Rules for Bosonic Bunching in Multimode Interferometers. Physical Review Letters, 2013, 111, 130503.	2.9	64
95	Anderson localization of entangled photons in an integrated quantum walk. Nature Photonics, 2013, 7, 322-328.	15.6	372
96	Integrated multimode interferometers with arbitrary designs for photonic boson sampling. Nature Photonics, 2013, 7, 545-549.	15.6	528
97	Scaling of black silicon processing time by high repetition rate femtosecond lasers. Optical Materials Express, 2013, 3, 612.	1.6	18
98	Hybrid chemical etching of femtosecond laser irradiated structures for engineered microfluidic devices. Journal of Micromechanics and Microengineering, 2013, 23, 085002.	1.5	31
99	Anderson localization of bosonic and fermionic two-particle systems with integrated optics. , 2013, , .		0
100	Femtosecond laser written photonic circuits for quantum simulation. , 2013, , .		0
101	Variational quantum process tomography of two-qubit maps. Physical Review A, 2013, 87, .	1.0	4
102	Integrated quantum interferometry with three-dimensional geometry. , 2013, , .		0
103	Three-photon bosonic coalescence in an integrated tritter. Nature Communications, 2013, 4, 1606.	5.8	139
104	Bosonic and Fermionic Discrete-Time Quantum Walk on Integrated Optics. Journal of Computational and Theoretical Nanoscience, 2013, 10, 1662-1666.	0.4	1
105	Hybrid chemical etching of femtosecond irradiated 3D structures in fused silica glass. MATEC Web of Conferences, 2013, 8, 05009.	0.1	2
106	Scaling of black silicon processing time by high repetition rate femtosecond lasers. MATEC Web of Conferences, 2013, 8, 02007.	0.1	0
107	An integrated fluorescence activated cell sorter fabricated by femtosecond laser micromachining. MATEC Web of Conferences, 2013, 8, 05007.	0.1	0
108	Fresnel Lenses fabricated by femtosecond laser micromachining on Polymer 1D Photonic Crystal. MATEC Web of Conferences, 2013, 8, 06010.	0.1	0

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109	Femtosecond Laser Micro-machining for Energy Applications. , 2013, , .		0
110	Plastic optofluidic chip fabricated by femtosecond laser ablation. , 2012, , .		1
111	Measuring protein concentration with entangled photons. Applied Physics Letters, 2012, 100, .	1.5	116
112	Optofluidics for Biophotonic Applications. IEEE Photonics Journal, 2012, 4, 596-600.	1.0	7
113	Simulation of quantum dynamics with integrated photonics. , 2012, , .		0
114	Integrated devices for quantum information and quantum simulation with polarization encoded qubits. Proceedings of SPIE, 2012, , .	0.8	0
115	Quantum interferometry with three-dimensional geometry. Scientific Reports, 2012, 2, 862.	1.6	87
116	Femtosecond laser waveguide writing for integrated quantum optics. , 2012, , .		2
117	Two-Particle Bosonic-Fermionic Quantum Walk via Integrated Photonics. Physical Review Letters, 2012, 108, 010502.	2.9	468
118	Optofluidic integrated cell sorter fabricated by femtosecond lasers. Lab on A Chip, 2012, 12, 3779.	3.1	86
119	Femtosecond laser microstructuring for polymeric lab-on-a-chips. Journal of Biophotonics, 2012, 5, 687-702.	1.1	56
120	Integrated photonic quantum information processing based on polarization encoding. , 2012, , .		0
121	Femtosecond laser patterning of PMMA for spatially tailored wettability. , 2011, , .		0
122	Integrated photonic quantum gates for polarization qubits. Nature Communications, 2011, 2, 566.	5.8	251
123	Fabrication of binary Fresnel lenses in PMMA by femtosecond laser surface ablation. Optics Express, 2011, 19, 11597.	1.7	32
124	Background-free broadband CARS spectroscopy from a 1-MHz ytterbium laser. Optics Express, 2011, 19, 15143.	1.7	23
125	Polarization entangled state measurement on a chip. , 2011, , .		0
126	Correlated photon-pair generation in a periodically poled MgO doped stoichiometric lithium tantalate reverse proton exchanged waveguide. Applied Physics Letters, 2011, 99, .	1.5	27

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127	Femtosecond laser micromachining for the realization of fully integrated optofluidic devices. , 2011, , .		0
128	Single cell trapping and stretching in a femtosecond laser fabricated optofluidic chip. , 2011, , .		0
129	Polarization entangled states measurement on a chip. , 2011, , .		18
130	Single cell trapping and stretching in an optofluidic chip fabricated by femtosecond laser micromachining. , 2011, , .		1
131	Coherent Raman microscopy with a fiber-format femtosecond oscillator. , 2011, , .		0
132	Integrated optical circuits for polarisation-entangled photons. , 2011, , .		0
133	Femtosecond laser patterning and replication of PMMA for spatially tailored wettability in microfluidic channels. , 2011, , .		0
134	Fabrication of binary Fresnel lenses in PMMA by femtosecond laser micromachining. , 2011, , .		1
135	Trapping and Stretching of Single Cells in an Optofluidic Chip Fabricated by a Femtosecond Laser. , 2010, , .		0
136	Compact fibre-based coherent anti-Stokes Raman scattering spectroscopy and interferometric coherent anti-Stokes Raman scattering from a single femtosecond fibre-laser oscillator. Pramana - Journal of Physics, 2010, 75, 1129-1134.	0.9	0
137	Optofluidic chip for single cell trapping and stretching fabricated by a femtosecond laser. Journal of Biophotonics, 2010, 3, 234-243.	1.1	62
138	Dual-beam optical trapping of cells in an optofluidic device fabricated by femtosecond lasers. Proceedings of SPIE, 2010, , .	0.8	0
139	Polarization Entangled State Measurement on a Chip. Physical Review Letters, 2010, 105, 200503.	2.9	216
140	Organic random laser in an optofluidic chip fabricated by femtosecond laser. Proceedings of SPIE, 2010, , .	0.8	2
141	Three-dimensional Mach-Zehnder interferometer in a microfluidic chip for spatially-resolved label-free detection. Lab on A Chip, 2010, 10, 1167.	3.1	184
142	Femtosecond laser fabricated monolithic chip for optical trapping and stretching of single cells. Optics Express, 2010, 18, 4679.	1.7	148
143	Fiber-format stimulated-Raman-scattering microscopy from a single laser oscillator. Optics Letters, 2010, 35, 226.	1.7	88
144	Surface Properties of Femtosecond Laser Ablated PMMA. ACS Applied Materials & Interfaces, 2010, 2, 2377-2384.	4.0	109

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145	Ultrafast optical gain switch in organic photonic devices. Journal of Materials Chemistry, 2010, 20, 519-523.	6.7	24
146	Coherent Raman Microscopy with a Fiber-Format Femtosecond Laser Oscillator. , 2010, , .		0
147	Coherent Raman Microscopy with a Fiber-Format Femtosecond Laser Oscillator. , 2010, , .		0
148	Nonlinear Optical Waveguides in Stoichiometric Lithium Tantalate. Springer Series in Materials Science, 2009, , 79-99.	0.4	0
149	Arbitrarily shaped picosecond pulses by spectral compression of femtosecond pulses in engineered quadratic media. , 2009, , .		0
150	Ultrafast optofluidic gain switch based on conjugated polymer in femtosecond laser fabricated microchannels. Applied Physics Letters, 2009, 94, 041123.	1.5	28
151	CARS spectroscopy from a single fiber laser oscillator. , 2009, , .		0
152	Microfluidic channels fabricated by femtosecond laser irradiation and chemical etching for optofluidic devices.. , 2009, , .		0
153	Optical sensing in microfluidic lab-on-a-chip by femtosecond-laser-written waveguides. Analytical and Bioanalytical Chemistry, 2009, 393, 1209-1216.	1.9	26
154	Synthesis of picosecond pulses by spectral compression and shaping of femtosecond pulses in engineered quadratic nonlinear media. Optics Letters, 2009, 34, 241.	1.7	25
155	Fiber-format CARS spectroscopy by spectral compression of femtosecond pulses from a single laser oscillator. Optics Letters, 2009, 34, 3262.	1.7	67
156	Shape control of microchannels fabricated in fused silica by femtosecond laser irradiation and chemical etching. Optics Express, 2009, 17, 8685.	1.7	98
157	Femtosecond laser fabrication of microfluidic channels for organic photonic devices. Applied Optics, 2009, 48, G114.	2.1	20
158	Integration of femtosecond laser written optical waveguides in a lab-on-chip. Lab on A Chip, 2009, 9, 91-96.	3.1	119
159	Femtosecond laser direct writing of gratings and waveguides in high quantum efficiency erbium-doped Baccarat glass. Journal Physics D: Applied Physics, 2009, 42, 205106.	1.3	24
160	Femtosecond laser fabrication of waveguides and microchannels in polymers for optofluidic sensing. , 2009, , .		0
161	Femtosecond laser fabrication of optical sensors integrated in a lab-on-a-chip. , 2009, , .		1
162	Organic optofluidic devices produced by femtosecond laser micromachining. , 2009, , .		1

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163	Integration of micro-optics and microfluidics in a glass chip by fs-laser for optofluidic applications. Proceedings of SPIE, 2009, , .	0.8	1
164	Three-dimensional photonic devices fabricated by ultrafast lasers for optical sensing in lab-on-a-chip. , 2009, , .		2
165	Femtosecond laser fabrication for the integration of optical sensors in microfluidic lab-on-chip devices. Springer Series in Chemical Physics, 2009, , 973-975.	0.2	5
166	Femtosecond Laser Micromachining: An Enabling Tool for Optofluidics. , 2009, , .		1
167	Optical Sensing by Femtosecond Laser Written Waveguides in a Microfluidic Chip for Capillary Electrophoresis. , 2009, , .		1
168	Fluorescence Monitoring of Microchip Capillary Electrophoresis Separation with Monolithically Integrated Optical Waveguides. , 2009, , .		0
169	Optical parametric generation of nearly transform-limited mid-infrared pulses in dispersion-engineered nonlinear waveguides. Optics Letters, 2008, 33, 2107.	1.7	0
170	Fluorescence monitoring of microchip capillary electrophoresis separation with monolithically integrated waveguides. Optics Letters, 2008, 33, 2503.	1.7	29
171	Mid-infrared optical combs from a compact amplified Er-doped fiber oscillator. Optics Letters, 2008, 33, 2671.	1.7	82
172	Sub-100 fs pump-probe spectroscopy of Single Wall Carbon Nanotubes with a 100 MHz Er-fiber laser system. Optics Express, 2008, 16, 11727.	1.7	30
173	Efficient second harmonic generation in femtosecond laser written optical waveguides on periodically poled lithium niobate. , 2008, , .		0
174	Erbium-Activated Silica-Hafnia: a Reliable Photonic System. , 2008, , .		2
175	Micro-Raman mapping of micro-gratings in Baccarat glass directly written using femtosecond laser. Proceedings of SPIE, 2008, , .	0.8	3
176	Tunable high repetition-rate mid-infrared optical combs from a compact amplified Er-doped fiber oscillator. , 2008, , .		0
177	Femtosecond Laser Microfabrication of an Integrated Device for Optical Release and Sensing of Bioactive Compounds. Sensors, 2008, 8, 6595-6604.	2.1	7
178	Integrated optical sensing in a lab-on-chip by femtosecond laser written waveguides. , 2008, , .		0
179	High repetition rate two-color pump-probe system based on optical parametric generation in PPLN crystals. , 2007, , .		0
180	Integration of femtosecond laser fabricated optical waveguides and microfluidic channels for lab-on-chip devices. , 2007, , .		0

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181	High Repetition Rate Two-color Pump-probe System based on Optical Parametric Generation in PPLN crystals. , 2007, , .		0
182	Near-IR Femtosecond Optical Parametric Amplifier at 1 MHz Seeded by Parametrically Generated Light. , 2007, , .		0
183	Femtosecond laser writing of waveguides in periodically poled lithium niobate preserving the nonlinear coefficient. Applied Physics Letters, 2007, 90, 241107.	1.5	94
184	Interaction between femtosecond laser pulses and CdSxSe1-x quantum dots in glasses. Physical Review B, 2007, 76, .	1.1	9
185	Near-infrared optical parametric amplifier at 1 MHz directly pumped by a femtosecond oscillator. Optics Letters, 2007, 32, 1489.	1.7	27
186	Fabrication of photonic devices in nanostructured glasses by femtosecond laser pulses. Optics Express, 2007, 15, 12628.	1.7	29
187	Integration of optical waveguides and microfluidic channels both fabricated by femtosecond laser irradiation. Applied Physics Letters, 2007, 90, 231118.	1.5	133
188	Waveguide Lasers in Er:Yb-Doped Phosphate Glass Fabricated by Femtosecond Laser Writing. , 2007, , .		1
189	Advanced waveguide lasers fabricated by femtosecond laser writing in an Er:Yb-doped phosphate glass. , 2007, , .		1
190	Fabrication of long microchannels with circular cross section using astigmatically shaped femtosecond laser pulses and chemical etching. Applied Physics Letters, 2006, 88, 191107.	1.5	106
191	Active and passive integrated optical devices written in glasses with femtosecond laser systems. , 2006, , .		0
192	Observation of Dynamic Localization in Periodically Curved Waveguide Arrays. Physical Review Letters, 2006, 96, 243901.	2.9	298
193	Optical-damage-free guided second-harmonic generation in 1% MgO-doped stoichiometric lithium tantalate. Optics Letters, 2006, 31, 83.	1.7	15
194	Group-velocity control by quadratic nonlinear interactions. Optics Letters, 2006, 31, 534.	1.7	35
195	Imaging of Bloch oscillations in erbium-doped curved waveguide arrays. Optics Letters, 2006, 31, 1651.	1.7	88
196	Simultaneously phase-matched second- and third-harmonic generation from 155 nm radiation in annealed proton-exchanged periodically poled lithium niobate waveguides. Optics Letters, 2006, 31, 2707.	1.7	13
197	High quality buried waveguides in stoichiometric LiTaO3 for nonlinear frequency conversion. Optics Express, 2006, 14, 248.	1.7	14
198	Spectral shift of femtosecond pulses in nonlinear quadratic PPSLT Crystals. Optics Express, 2006, 14, 4774.	1.7	35

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199	Optical spectra of flux grown Nd ³⁺ :YTaO ₁₉ and Nd ³⁺ :LaTaO ₁₉ crystals. <i>Optical Materials</i> , 2006, 28, 1235-1237.	1.7	8
200	Cross-phase modulation due to a cascade of quadratic interactions in a PPLN waveguide. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006, 12, 405-411.	1.9	3
201	Waveguide lasers in the C-band fabricated by laser inscription with a compact femtosecond oscillator. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006, 12, 277-285.	1.9	90
202	Semiclassical motion of a multiband Bloch particle in a time-dependent field: Optical visualization. <i>Physical Review B</i> , 2006, 74, .	1.1	22
203	Experimental observation of dynamic localization of light in sinusoidally-curved waveguide arrays. , 2006, , .		0
204	Group-velocity control by quadratic nonlinear interactions. , 2006, , .		0
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