

Roberto Osellame

List of Publications by Year in descending order

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438
papers

13,521
citations

17405

63
h-index

28224

105
g-index

447
all docs

447
docs citations

447
times ranked

9361
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond laser micromachining of integrated glass devices for high-order harmonic generation. International Journal of Applied Glass Science, 2022, 13, 162-170.	1.0	3
2	Strategies for improved temporal response of glass-based optical switches. Scientific Reports, 2022, 12, 239.	1.6	6
3	Laser-Assisted Etching of EagleXG Glass by Irradiation at Low Pulse-Repetition Rate. Applied Sciences (Switzerland), 2022, 12, 948.	1.3	1
4	Microstructured Phononic Crystal Isolates from Ultrasonic Mechanical Vibrations. Applied Sciences (Switzerland), 2022, 12, 2499.	1.3	4
5	Time-Resolved Imaging of Femtosecond Laser-Induced Plasma Expansion in a Nitrogen Microjet. Applied Sciences (Switzerland), 2022, 12, 1978.	1.3	0
6	A Miniaturized Imaging Window to Quantify Intravital Tissue Regeneration within a 3D Microscaffold in Longitudinal Studies. Advanced Optical Materials, 2022, 10, .	3.6	7
7	Experimental photonic quantum memristor. Nature Photonics, 2022, 16, 318-323.	15.6	62
8	Integrated fast optical switch fabricated by femtosecond laser micromachining. , 2022, , .		1
9	Universal photonic processors fabricated by femtosecond laser writing. , 2022, , .		3
10	Reconfigurable continuously-coupled 3D photonic circuit for Boson Sampling experiments. Npj Quantum Information, 2022, 8, .	2.8	15
11	Effect of 3D Synthetic Microscaffold Nichoid on the Morphology of Cultured Hippocampal Neurons and Astrocytes. Cells, 2022, 11, 2008.	1.8	0
12	Storage and analysis of light-matter entanglement in a fiber-integrated system. Science Advances, 2022, 8, .	4.7	12
13	Laser-written vapor cells for chip-scale atomic sensing and spectroscopy. Optics Express, 2022, 30, 27149.	1.7	7
14	Automatic imaging of <i>Drosophila</i> embryos with light sheet fluorescence microscopy on chip. Journal of Biophotonics, 2021, 14, e202000396.	1.1	16
15	Neural precursor cells expanded in a 3D micro-engineered niche present enhanced therapeutic efficacy <i>in vivo</i> . Nanotheranostics, 2021, 5, 8-26.	2.7	13
16	Effects of Thermal Annealing on Femtosecond Laser Micromachined Glass Surfaces. Micromachines, 2021, 12, 180.	1.4	17
17	The nuclear import of the transcription factor MyoD is reduced in mesenchymal stem cells grown in a 3D micro-engineered niche. Scientific Reports, 2021, 11, 3021.	1.6	13
18	Experimental quantum homomorphic encryption. Npj Quantum Information, 2021, 7, .	2.8	13

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19	Calibration of Multiparameter Sensors via Machine Learning at the Single-Photon Level. <i>Physical Review Applied</i> , 2021, 15, .	1.5	23
20	Rapid Prototyping of 3D Biochips for Cell Motility Studies Using Two-Photon Polymerization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 664094.	2.0	10
21	Analytical modeling of the static and dynamic response of thermally actuated optical waveguide circuits. <i>Physical Review Research</i> , 2021, 3, .	1.3	4
22	First stellar photons for an integrated optics discrete beam combiner at the William Herschel Telescope. <i>Applied Optics</i> , 2021, 60, D129.	0.9	9
23	Qualification of Femtosecond Laser-Written Waveguides for Space Environment. , 2021, , .		0
24	Femtosecond Laser Written Mechanical Micro-Resonators for Integrated Switching and Modulation of Optical Signals. , 2021, , .		0
25	Integrated Filter for the Separation between XUV and IR Beam in High-order Harmonic Generation in a chip. , 2021, , .		0
26	Modelling Analytically the Dynamic Response of Thermo-Optic Phase Shifters. , 2021, , .		0
27	3D laser nanolithography of crystals. , 2021, , .		0
28	Efficient, low crosstalk and compact programmable photonic circuits by 3D femtosecond laser micromachining. , 2021, , .		0
29	New strategies to shorten the time response of thermo-optic switches in a glass chip. , 2021, , .		0
30	Intermediate filaments ensure resiliency of single carcinoma cells, while active contractility of the actin cortex determines their invasive potential. <i>New Journal of Physics</i> , 2021, 23, 083028.	1.2	2
31	Resetting directional couplers for high-fidelity quantum photonic integrated chips. <i>Optics Letters</i> , 2021, 46, 5181.	1.7	4
32	Femtosecond laser micromachining for integrated quantum photonics. <i>Nanophotonics</i> , 2021, 10, 3789-3812.	2.9	45
33	Yield stress $\hat{\epsilon}$ in a flash $\hat{\epsilon}$ investigation of nonlinearity and yielding in soft materials with an optofluidic microrheometer. <i>Soft Matter</i> , 2021, 17, 3105-3112.	1.2	4
34	Space Qualification of Ultrafast Laser-Written Integrated Waveguide Optics. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000167.	4.4	17
35	Recent Advances and Future Perspectives of Single-Photon Avalanche Diodes for Quantum Photonics Applications. <i>Advanced Quantum Technologies</i> , 2021, 4, 2000102.	1.8	54
36	Applications of Femtosecond-Laser-Generated In-Volume Structures. , 2021, , 1649-1689.		0

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37	Femtosecond Laser Micromachining: An Effective Technology for Optical Fabrication. , 2021, , .		0
38	Fibre-integrated laser-written quantum memory for light-matter entanglement. , 2021, , .		0
39	Universal photonic processors in a glass-based femtosecond laser writing platform. , 2021, , .		2
40	Quantifying n-photon Indistinguishability with an Integrated Multi-Port Interferometer. , 2021, , .		0
41	Adaptive two-phase estimation on a photonic integrated device. , 2021, , .		0
42	Single-photon Calibration of an Integrated Multiarm Interferometer via Neural Netowrks. , 2021, , .		0
43	Characterization of Mesenchymal Stem Cell Differentiation within Miniaturized 3D Scaffolds through Advanced Microscopy Techniques. International Journal of Molecular Sciences, 2020, 21, 8498.	1.8	10
44	Dynamic mechanical characterization of two-photon-polymerized SZ2080 photoresist. Journal of Applied Physics, 2020, 128, .	1.1	23
45	Low Power Reconfigurability and Reduced Crosstalk in Integrated Photonic Circuits Fabricated by Femtosecond Laser Micromachining. Laser and Photonics Reviews, 2020, 14, 2000024.	4.4	35
46	Effect of the 3D Artificial Nichoid on the Morphology and Mechanobiological Response of Mesenchymal Stem Cells Cultured In Vitro. Cells, 2020, 9, 1873.	1.8	27
47	Experimental adaptive Bayesian estimation of multiple phases with limited data. Npj Quantum Information, 2020, 6, .	2.8	26
48	Nonlinear Optical Microscopy: From Fundamentals to Applications in Live Bioimaging. Frontiers in Bioengineering and Biotechnology, 2020, 8, 585363.	2.0	53
49	High-order harmonic generation in a microfluidic glass device. JPhys Photonics, 2020, 2, 024005.	2.2	20
50	Femtosecond Laser-Micromachining of Glass Micro-Chip for High Order Harmonic Generation in Gases. Micromachines, 2020, 11, 165.	1.4	8
51	Collinear setup for delay control in two-color attosecond measurements. JPhys Photonics, 2020, 2, 024006.	2.2	9
52	Integrated Optofluidic Chip for Oscillatory Microrheology. Scientific Reports, 2020, 10, 5831.	1.6	12
53	Microfluidics. , 2020, , 493-526.		8
54	Low-power reconfigurable photonic integrated circuits fabricated by femtosecond laser micromachining. , 2020, , .		2

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55	High-throughput 3D imaging of single cells with light-sheet fluorescence microscopy on chip. Biomedical Optics Express, 2020, 11, 4397.	1.5	35
56	Resonant opto-mechanical modulators and switches by femtosecond laser micromachining. Optics Express, 2020, 28, 23133.	1.7	8
57	Applications of Femtosecond-Laser-Generated in-Volume Structures. , 2020, , 1-41.		1
58	First on-sky results with an interferometric discrete beam combiner (DBC) at the William Herschel Telescope. , 2020, , .		1
59	High-order Harmonic Generation in Microfluidic Femtosecond Laser Micromachined Devices for Ultrafast X-ray Spectroscopy. , 2020, , .		0
60	High-order Harmonic Generation in Femtosecond Laser Micromachined Devices for Ultrafast X-ray Spectroscopy. , 2020, , .		0
61	High-order Harmonic Generation in Femtosecond Laser Micromachined Devices for Ultrafast X-ray Spectroscopy. , 2020, , .		0
62	Integrated optics-interferometry using pupil remapping and beam combination at astronomical H-band. , 2020, , .		0
63	High-order Harmonic Generation in Femtosecond Laser Micromachined Microfluidic Glass Devices for Ultrafast X-ray Spectroscopy. , 2020, , .		0
64	Dual-color on-chip light sheet microscopy of drosophila embryos. , 2020, , .		1
65	Resonant micro-opto-mechanical modulators fabricated by femtosecond laser micromachining. , 2020, , .		0
66	Biological analysis in 3D optofluidic devices fabricated by femtosecond laser micromachining. , 2020, , .		0
67	Multi-foci laser microfabrication of 3D polymeric scaffolds for stem cell expansion in regenerative medicine. Scientific Reports, 2019, 9, 11761.	1.6	41
68	Quantum Storage of Frequency-Multiplexed Heralded Single Photons. Physical Review Letters, 2019, 123, 080502.	2.9	81
69	Experimental Investigation of Quantum Decay via Integrated Photonics. Proceedings (mdpi), 2019, 12, .	0.2	1
70	Normal epithelial and triple-negative breast cancer cells show the same invasion potential in rigid spatial confinement. New Journal of Physics, 2019, 21, 083016.	1.2	7
71	Dual-Color Fluorescent Microscope on Chip for 3D Imaging of Single Cells. , 2019, , .		0
72	Viscoelasticity Measurements by an Optofluidic Micro-Rheometer. , 2019, , .		0

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73	Optofluidic lab-on-chips for high throughput 3D imaging of cells and tissues. EPJ Web of Conferences, 2019, 215, 11002.	0.1	0
74	Thermal Phase Shifters for Femtosecond Laser Written Photonic Integrated Circuits. Journal of Lightwave Technology, 2019, 37, 4275-4281.	2.7	24
75	High-order harmonic generation in femtosecond laser micromachined devices. EPJ Web of Conferences, 2019, 205, 02007.	0.1	0
76	Quantum Micro-“Nano Devices Fabricated in Diamond by Femtosecond Laser and Ion Irradiation. Advanced Quantum Technologies, 2019, 2, 1900006.	1.8	31
77	New effective technique to produce waveguides in lithium niobate on insulator (LNOI). Quantum Engineering, 2019, 1, e11.	1.2	9
78	Direct writing of optical microresonators in a lab-on-a-chip for label-free biosensing. Lab on A Chip, 2019, 19, 1985-1990.	3.1	34
79	Experimental Investigation of Quantum Decay at Short, Intermediate, and Long Times via Integrated Photonics. Physical Review Letters, 2019, 122, 130401.	2.9	30
80	Pattern Recognition Techniques for Boson Sampling Validation. Physical Review X, 2019, 9, .	2.8	33
81	Polymeric fully inertial lab-on-a-chip with enhanced-throughput sorting capabilities. Microfluidics and Nanofluidics, 2019, 23, 1.	1.0	24
82	Experimental Multiphase Estimation in an Integrated Reconfigurable Multi-Arm Interferometer. , 2019, , .		0
83	A Modular Source of Entangled Photon Pairs in Femtosecond-Laser Written Waveguide Circuits. , 2019, , .		0
84	1.9 fs Deep-UV Pulses from Third-Harmonic Generation in Argon. , 2019, , .		0
85	Quantum Interference of Topologically Protected Photonic States in a Laser-Written Waveguide Array. , 2019, , .		0
86	Direct Writing of 3D Integrated Photonic Circuits for Astrophotonics. , 2019, , .		0
87	Quantum Storage of Frequency-Multiplexed Heralded Single Photons. , 2019, , .		5
88	Buried Microchannels in Alumino-Borosilicate Glass by Femtosecond Laser Pulses and Chemical Etching. , 2019, , .		0
89	Three-Dimensional Laser Nanostructuring of Optical Crystals: Towards Nanophotonic-Engineered Solid-State-Media. , 2019, , .		0
90	Femtosecond-laser-written optofluidics in alumino-borosilicate glass. Optical Materials: X, 2019, 4, 100042.	0.3	15

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91	Characterisation of a DNA hydrogel viscosity by an integrated optofluidic microrheometer. , 2019, , .		0
92	Three-dimensional femtosecond laser nanolithography of crystals. Nature Photonics, 2019, 13, 105-109.	15.6	156
93	Plastic Lab-on-Chip for the Optical Manipulation of Single Cells. , 2019, , 339-363.		2
94	Generation of deep ultraviolet sub-2-fs pulses. Optics Letters, 2019, 44, 1308.	1.7	47
95	Femtosecond laser direct writing of an integrated path-encoded CNOT quantum gate. Optical Materials Express, 2019, 9, 2318.	1.6	20
96	Effect of the resin viscosity on the writing properties of two-photon polymerization. Optical Materials Express, 2019, 9, 2601.	1.6	44
97	Experimental multiphase estimation on a chip. Optica, 2019, 6, 288.	4.8	60
98	Interfacing scalable photonic platforms: solid-state based multi-photon interference in a reconfigurable glass chip. Optica, 2019, 6, 1471.	4.8	30
99	Interfacing solid-state single-photon sources and integrated photonics circuits: high rate three-photon coalescence. , 2019, , .		0
100	Integrated source of entangled photon pair at telecom wavelength. , 2019, , .		0
101	Manipulation of quantum information in fs-laser-written photonic circuits. , 2019, , .		1
102	Observation of Quantum Decay Dynamics in an Integrated Photonic Chip. , 2019, , .		0
103	Validation of multi-photon interference in photonic boson sampling. , 2019, , .		0
104	Discrete beam combiners from astronomy to lasers. , 2019, , .		1
105	Femtosecond laser microfabrication of a PMMA lab on a chip for high throughput size-based inertial sorting. , 2019, , .		0
106	Newtonian to non-newtonian fluid transition of a model transient network. Soft Matter, 2018, 14, 3288-3295.	1.2	17
107	Experimental statistical signature of many-body quantum interference. Nature Photonics, 2018, 12, 173-178.	15.6	63
108	Three-dimensional femtosecond laser processing for lab-on-a-chip applications. Nanophotonics, 2018, 7, 613-634.	2.9	134

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109	Cell Migration through a Confined Micro-Environment: An Attempt to Understand the Motion of Metastatic Cells. <i>Biophysical Journal</i> , 2018, 114, 327a.	0.2	0
110	Experimental generalized quantum suppression law in Sylvester interferometers. <i>New Journal of Physics</i> , 2018, 20, 033017.	1.2	32
111	Optimal photonic indistinguishability tests in multimode networks. <i>Science Bulletin</i> , 2018, 63, 1470-1478.	4.3	16
112	Observation of photonic states dynamics in 3-D integrated Fourier circuits. <i>Journal of Optics (United Kingdom)</i> , 2018, 19, 1903.	1.0	3
113	Disposable Optical Stretcher Fabricated by Microinjection Moulding. <i>Micromachines</i> , 2018, 9, 388.	1.4	15
114	Microfluidic Based Optical Microscopes on Chip. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 987-996.	1.1	53
115	Quantum interference of topological states of light. <i>Science Advances</i> , 2018, 4, eaat3187.	4.7	93
116	Laser-written integrated platform for quantum storage of heralded single photons. <i>Optica</i> , 2018, 5, 934.	4.8	63
117	Symmetric polarization-insensitive directional couplers fabricated by femtosecond laser writing. <i>Optics Express</i> , 2018, 26, 15101.	1.7	56
118	Integrated sources of entangled photons at the telecom wavelength in femtosecond-laser-written circuits. <i>Optica</i> , 2018, 5, 311.	4.8	67
119	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
120	Editorial for the Special Issue on Ultrafast Laser Fabrication for Lab-on-a-Chip. <i>Micromachines</i> , 2018, 9, 38.	1.4	0
121	Particle Manipulation by Optical Forces in Microfluidic Devices. <i>Micromachines</i> , 2018, 9, 200.	1.4	36
122	Detection of squeezed light with glass-integrated technology embedded into a homodyne detector setup. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1596.	0.9	11
123	A six-apertures discrete beam combiners for J-band interferometry. , 2018, , .		5
124	High-bandwidth density optically interconnected terabit/s boards. , 2018, , .		1
125	Femtosecond laser written diamond photonics. , 2018, , .		0
126	High-order Harmonic Generation in Femtosecond laser-Micromachined Devices. , 2018, , .		0

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127	High-order Harmonic Generation in a Femtosecond-laser-micromachined Chip. , 2018, , .		0
128	Experimental Statistical Signature of Many-body Quantum Interference. , 2018, , .		0
129	Optofluidic Devices for Mechanical Probing and Imaging of Cells by Laser Light. , 2018, , .		0
130	Front Matter: Volume 10522. , 2018, , .		0
131	Signature of multi-photon interference in boson sampling experiments. , 2018, , .		0
132	Laser printed nano-gratings: orientation and period peculiarities. Scientific Reports, 2017, 7, 39989.	1.6	29
133	Observing quantum interference in 3D integrated-photonic symmetric multiports. Proceedings of SPIE, 2017, , .	0.8	0
134	Fabrication and assembling of a microfluidic optical stretcher polymeric chip combining femtosecond laser and micro injection molding technologies. , 2017, , .		1
135	Bulk diamond optical waveguides fabricated by focused femtosecond laser pulses. , 2017, , .		0
136	A computational approach to the characterization of a microfluidic device for continuous size-based inertial sorting. Journal Physics D: Applied Physics, 2017, 50, 255601.	1.3	27
137	A 3D particle focusing device based on tightly curving 3D microchannels. Proceedings of SPIE, 2017, , .	0.8	0
138	On chip analysis of path-polarization hyperentangled cluster photon states. , 2017, , .		1
139	Automated imaging of cellular spheroids with selective plane illumination microscopy on a chip (Conference Presentation). , 2017, , .		0
140	3D Stem Cell Niche Engineering via Two-Photon Laser Polymerization. Methods in Molecular Biology, 2017, 1612, 253-266.	0.4	5
141	Harshâ€Environmentâ€Resistant OHâ€Vibrationsâ€Sensitive Midâ€Infrared Waterâ€Ice Photonic Sensor. Advanced Materials Technologies, 2017, 2, 1700085.	3.0	10
142	Laser Writing in Tellurite Glasses. Springer Series in Materials Science, 2017, , 259-276.	0.4	3
143	Imaging cytometry in a plastic ultra-mobile system. Proceedings of SPIE, 2017, , .	0.8	1
144	Single-Photon Quantum Contextuality on a Chip. ACS Photonics, 2017, 4, 2807-2812.	3.2	16

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145	Roadmap for optofluidics. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 093003.	1.0	78
146	Geometrically-controlled polarisation processing in femtosecond-laser-written photonic circuits. <i>Scientific Reports</i> , 2017, 7, 11342.	1.6	22
147	Particle focusing by 3D inertial microfluidics. <i>Microsystems and Nanoengineering</i> , 2017, 3, 17027.	3.4	76
148	Photonic simulation of entanglement growth and engineering after a spin chain quench. <i>Nature Communications</i> , 2017, 8, 1569.	5.8	48
149	A larger quantum alphabet. <i>Nature</i> , 2017, 546, 602-603.	13.7	1
150	Synthetic niche substrates engineered via two-photon laser polymerization for the expansion of human mesenchymal stromal cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2836-2845.	1.3	32
151	Benchmarking integrated linear-optical architectures for quantum information processing. <i>Scientific Reports</i> , 2017, 7, 15133.	1.6	33
152	Large-scale production of scaffolds for stem cell expansion fabricated by two-photon polymerization. , 2017, , .		0
153	Experimental nonlocality-based network diagnostics of multipartite entangled states. <i>Scientific Reports</i> , 2017, 7, 17122.	1.6	1
154	Hydrodynamic lift for single cell manipulation in a femtosecond laser fabricated optofluidic chip. <i>Optofluidics, Microfluidics and Nanofluidics</i> , 2017, 4, .	0.5	2
155	Rheological study of a DNA transient network by optophoresis. , 2017, , .		0
156	Genetic algorithms to learn an unknown linear transformation. , 2017, , .		0
157	Mid-infrared sensing waveguides embedded in silica glass: Detection of water phase and ice microstructure in harsh-environments. , 2017, , .		0
158	Processing Quantum Information in Femtosecond-laser-written Integrated Photonic Circuits. , 2017, , .		0
159	Optofluidic light modulator integrated in lab-on-a-chip. <i>Optics Express</i> , 2017, 25, 7313.	1.7	16
160	Scaling-Up Techniques for the Nanofabrication of Cell Culture Substrates via Two-Photon Polymerization for Industrial-Scale Expansion of Stem Cells. <i>Materials</i> , 2017, 10, 66.	1.3	40
161	Integrated Optofluidic Chip for Low-Volume Fluid Viscosity Measurement. <i>Micromachines</i> , 2017, 8, 65.	1.4	9
162	Rapid Prototyping of Plastic Lab-on-a-Chip by Femtosecond Laser Micromachining and Removable Insert Microinjection Molding. <i>Micromachines</i> , 2017, 8, 328.	1.4	21

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163	Quantum simulation of spin chain dynamics via integrated photonics. , 2017, , .		0
164	Femtosecond laser processing for single NV-waveguide integration in diamond. , 2017, , .		0
165	Integrated-optics circuits for validation of non-classicality. , 2017, , .		0
166	Generalized suppression law for validation of Boson Sampling. , 2017, , .		0
167	A micro-opto-acousto-fluidic chip for single cell mechanics evaluation. , 2017, , .		0
168	Learning an unknown transformation via a genetic approach. Scientific Reports, 2017, 7, 14316.	1.6	24
169	Femtosecond laser inscription of Bragg grating waveguides in bulk diamond. Optics Letters, 2017, 42, 3451.	1.7	35
170	Generalized Quantum Fast Transformations via Femtosecond Laser Writing Technique. Interdisciplinary Information Sciences, 2017, 23, 115-118.	0.2	1
171	Femtosecond laser direct writing in transparent materials based on nonlinear absorption. MRS Bulletin, 2016, 41, 975-983.	1.7	23
172	Path-polarization hyperentangled and cluster states of photons on a chip. Light: Science and Applications, 2016, 5, e16064-e16064.	7.7	73
173	Experimental perfect state transfer of an entangled photonic qubit. Nature Communications, 2016, 7, 11339.	5.8	96
174	Two-photon polymerized "conichoid" substrates maintain function of pluripotent stem cells when expanded under feeder-free conditions. Stem Cell Research and Therapy, 2016, 7, 132.	2.4	36
175	Integrated Optical Memory Based on Laser-Written Waveguides. Physical Review Applied, 2016, 5, .	1.5	58
176	Fast escape of a quantum walker from an integrated photonic maze. Nature Communications, 2016, 7, 11682.	5.8	72
177	Quantum state transfer via Bloch oscillations. Scientific Reports, 2016, 6, 26054.	1.6	19
178	A comprehensive strategy for the analysis of acoustic compressibility and optical deformability on single cells. Scientific Reports, 2016, 6, 23946.	1.6	27
179	Diamond photonics platform enabled by femtosecond laser writing. Scientific Reports, 2016, 6, 35566.	1.6	96
180	Selective plane illumination microscopy on a chip. Lab on A Chip, 2016, 16, 1556-1560.	3.1	67

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181	Integrated quantum key distribution sender unit for daily-life implementations. Proceedings of SPIE, 2016, , .	0.8	7
182	Suppression law of quantum states in a 3D photonic fast Fourier transform chip. Nature Communications, 2016, 7, 10469.	5.8	105
183	Nanomechanical probing of soft matter through hydrophobic AFM tips fabricated by two-photon polymerization. Nanotechnology, 2016, 27, 155702.	1.3	9
184	Microfluidics. , 2016, , 310-334.		8
185	An Integrated Optical Memory Based on Laser Written Waveguides. , 2016, , .		0
186	Photonic Simulation of Entanglement Generation and Transfer in a Spin Chain. , 2016, , .		0
187	Mode-matching in multiresonant nanoantennas for enhanced nonlinear emission. , 2016, , .		0
188	Orientation instabilities of nanogratings recorded by femtosecond laser pulses in silica. , 2016, , .		0
189	Observing Multi-Photon Interference and Suppression Laws in 3D Photonic Chips. , 2016, , .		0
190	Holographic vector-wave femtosecond laser processing for fabrication of orientation-controlled nanostructures. MATEC Web of Conferences, 2015, 32, 02002.	0.1	1
191	Femtosecond laser fabrication of optofluidic devices for single cell manipulation. MATEC Web of Conferences, 2015, 32, 02001.	0.1	0
192	Experimental scattershot boson sampling. Science Advances, 2015, 1, e1400255.	4.7	184
193	An optofluidic constriction chip for monitoring metastatic potential and drug response of cancer cells. Integrative Biology (United Kingdom), 2015, 7, 477-484.	0.6	24
194	Thermally reconfigurable quantum photonic circuits at telecom wavelength by femtosecond laser micromachining. Light: Science and Applications, 2015, 4, e354-e354.	7.7	103
195	Optical properties of waveguide-coupled nanowires for sub-wavelength detection in microspectrometer applications. Journal of Optics (United Kingdom), 2015, 17, 025801.	1.0	7
196	Interactions between structural and chemical biomimetism in synthetic stem cell niches. Biomedical Materials (Bristol), 2015, 10, 015012.	1.7	19
197	An integrated optofluidic device for single-cell sorting driven by mechanical properties. Lab on A Chip, 2015, 15, 1262-1266.	3.1	55
198	Design and Evaluation of a Handheld Quantum Key Distribution Sender module. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 131-137.	1.9	46

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199	Particle Statistics Affects Quantum Decay and Fano Interference. Physical Review Letters, 2015, 114, 090201.	2.9	56
200	All-silica microfluidic optical stretcher with acoustophoretic prefocusing. Microfluidics and Nanofluidics, 2015, 19, 837-844.	1.0	37
201	All-optical non-Markovian stroboscopic quantum simulator. Physical Review A, 2015, 91, .	1.0	50
202	Femtosecond fiber laser welding of PMMA. Proceedings of SPIE, 2015, , .	0.8	0
203	Mode matching in multiresonant plasmonic nanoantennas for enhanced second harmonic generation. Nature Nanotechnology, 2015, 10, 412-417.	15.6	421
204	Sorting on the basis of deformability of single cells in a femtosecond laser fabricated optofluidic device. , 2015, , .		1
205	Femtosecond laser micromachining for the realization of fully integrated photonic and microfluidic devices. Proceedings of SPIE, 2015, , .	0.8	4
206	Welding of PMMA by a femtosecond fiber laser. Optics Express, 2015, 23, 4114.	1.7	39
207	Adaptable acylindrical microlenses fabricated by femtosecond laser micromachining. , 2015, , .		0
208	Ferrofluid-based optofluidic switch using femtosecond laser-micromachined waveguides. Applied Optics, 2015, 54, 1420.	0.9	6
209	Investigation of temperature effect on cell mechanics by optofluidic microchips. Biomedical Optics Express, 2015, 6, 2991.	1.5	16
210	Optimization of Femtosecond Laser Polymerized Structural Niches to Control Mesenchymal Stromal Cell Fate in Culture. Micromachines, 2014, 5, 341-358.	1.4	44
211	Role of ion migrations in ultrafast laser written tellurite glass waveguides. Optics Express, 2014, 22, 15298.	1.7	34
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213	Remote detection of single emitters via optical waveguides. Physical Review A, 2014, 89, .	1.0	8
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