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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

295 papers	7,500 citations	45 h-index	75 g-index
389 ext. papers	9,411 ext. citations	5.2 avg, IF	5.87 L-index

#	Paper	IF	Citations
295	High-efficiency broadband meta-hologram with polarization-controlled dual images. <i>Nano Letters</i> , 2014 , 14, 225-30	11.5	517
294	The Poisson distribution and beyond: methods for microfluidic droplet production and single cell encapsulation. <i>Lab on A Chip</i> , 2015 , 15, 3439-59	7.2	278
293	Band gap opening of graphene by doping small boron nitride domains. <i>Nanoscale</i> , 2012 , 4, 2157-65	7.7	190
292	Mechanical design and optimization of capacitive micromachined switch. <i>Sensors and Actuators A: Physical</i> , 2001 , 93, 273-285	3.9	172
291	Microelectromechanical Maltese-cross metamaterial with tunable terahertz anisotropy. <i>Nature Communications</i> , 2012 , 3, 1274	17.4	167
290	Switchable magnetic metamaterials using micromachining processes. <i>Advanced Materials</i> , 2011 , 23, 1792-4	2.4	167
289	Determining refractive index of single living cell using an integrated microchip. <i>Sensors and Actuators A: Physical</i> , 2007 , 133, 349-354	3.9	159
288	A tunable 3D optofluidic waveguide dye laser via two centrifugal Dean flow streams. <i>Lab on A Chip</i> , 2011 , 11, 3182-7	7.2	156
287	A study of the static characteristics of a torsional micromirror. <i>Sensors and Actuators A: Physical</i> , 2001 , 90, 73-81	3.9	144
286	Optical Anapole Metamaterial. <i>ACS Nano</i> , 2018 , 12, 1920-1927	16.7	142
285	A Micromachined Reconfigurable Metamaterial via Reconfiguration of Asymmetric Split-Ring Resonators. <i>Advanced Functional Materials</i> , 2011 , 21, 3589-3594	15.6	135
284	Broadband Wide-Angle Multifunctional Polarization Converter via Liquid-Metal-Based Metasurface. <i>Advanced Optical Materials</i> , 2017 , 5, 1600938	8.1	123
283	Optofluidic waveguide as a transformation optics device for lightwave bending and manipulation. <i>Nature Communications</i> , 2012 , 3, 651	17.4	123
282	Context Contrasted Feature and Gated Multi-scale Aggregation for Scene Segmentation 2018 ,		116
281	Nanometer-precision linear sorting with synchronized optofluidic dual barriers. <i>Science Advances</i> , 2018 , 4, eaao0773	14.3	114
280	Refractive index measurement of single living cells using on-chip Fabry-Pérot cavity. <i>Applied Physics Letters</i> , 2006 , 89, 203901	3.4	102
279	Open-loop versus closed-loop control of MEMS devices: choices and issues. <i>Journal of Micromechanics and Microengineering</i> , 2005 , 15, 1917-1924	2	101

278	Micromachined tunable metamaterials: a review. <i>Journal of Optics (United Kingdom)</i> , 2012 , 14, 114009	1.7	99
277	An integrated silicon photonic chip platform for continuous-variable quantum key distribution. <i>Nature Photonics</i> , 2019 , 13, 839-842	33.9	93
276	A flat lens with tunable phase gradient by using random access reconfigurable metamaterial. <i>Advanced Materials</i> , 2015 , 27, 4739-43	24	92
275	A review of MEMS external-cavity tunable lasers. <i>Journal of Micromechanics and Microengineering</i> , 2007 , 17, R1-R13	2	89
274	Sculpting nanoparticle dynamics for single-bacteria-level screening and direct binding-efficiency measurement. <i>Nature Communications</i> , 2018 , 9, 815	17.4	85
273	Metalenses: Advances and Applications. <i>Advanced Optical Materials</i> , 2018 , 6, 1800554	8.1	82
272	Water-Resonator-Based Metasurface: An Ultrabroadband and Near-Unity Absorption. <i>Advanced Optical Materials</i> , 2017 , 5, 1601103	8.1	76
271	Stirring in suspension: nanometer-sized magnetic stir bars. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8570-3	16.4	72
270	Production of reactive oxygen species in endothelial cells under different pulsatile shear stresses and glucose concentrations. <i>Lab on A Chip</i> , 2011 , 11, 1856-63	7.2	69
269	Advanced fiber optical switches using deep RIE (DRIE) fabrication. <i>Sensors and Actuators A: Physical</i> , 2003 , 102, 286-295	3.9	69
268	An approach to the coupling effect between torsion and bending for electrostatic torsional micromirrors. <i>Sensors and Actuators A: Physical</i> , 2004 , 115, 159-167	3.9	68
267	An optical neural chip for implementing complex-valued neural network. <i>Nature Communications</i> , 2021 , 12, 457	17.4	58
266	Magnetic plasmon induced transparency in three-dimensional metamolecules. <i>Nanophotonics</i> , 2012 , 1, 131-138	6.3	57
265	A nano-opto-mechanical pressure sensor via ring resonator. <i>Optics Express</i> , 2012 , 20, 8535-42	3.3	56
264	Roadmap for optofluidics. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 093003	1.7	55
263	A study of dynamic characteristics and simulation of MEMS torsional micromirrors. <i>Sensors and Actuators A: Physical</i> , 2005 , 120, 199-210	3.9	54
262	Chirality-assisted lateral momentum transfer for bidirectional enantioselective separation. <i>Light: Science and Applications</i> , 2020 , 9, 62	16.7	54
261	Plasmon coupling in vertical split-ring resonator metamolecules. <i>Scientific Reports</i> , 2015 , 5, 9726	4.9	53

260	Label-free detection with micro optical fluidic systems (MOFS): a review. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 2443-52	4.4	52
259	Low-loss lateral micromachined switches for high frequency applications. <i>Journal of Micromechanics and Microengineering</i> , 2005 , 15, 157-167	2	51
258	Single cell membrane poration by bubble-induced microjets in a microfluidic chip. <i>Lab on A Chip</i> , 2013 , 13, 1144-50	7.2	49
257	Differential single living cell refractometry using grating resonant cavity with optical trap. <i>Applied Physics Letters</i> , 2007 , 91, 243901	3.4	49
256	0.2 μ m Thick Adaptive Retroreflector Made of Spin-Locked Metasurface. <i>Advanced Materials</i> , 2018 , 30, e1802721	24	47
255	Polarization dependent state to polarization independent state change in THz metamaterials. <i>Applied Physics Letters</i> , 2011 , 99, 221102	3.4	47
254	Different curvatures of tunable liquid microlens via the control of laminar flow rate. <i>Applied Physics Letters</i> , 2008 , 93, 084101	3.4	47
253	Semantic Segmentation with Context Encoding and Multi-Path Decoding. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	46
252	Fabrication of phase-change chalcogenide Ge ₂ Sb ₂ Te ₅ patterns by laser-induced forward transfer. <i>Optics Express</i> , 2011 , 19, 16975-84	3.3	46
251	A reconfigurable optofluidic Michelson interferometer using tunable droplet grating. <i>Lab on A Chip</i> , 2010 , 10, 1072-8	7.2	45
250	Short pulse passively Q-switched Nd:GdYVO ₄ laser using a GaAs mirror. <i>Optics Communications</i> , 2006 , 259, 256-260	2	43
249	Nano-optomechanical actuator and pull-back instability. <i>ACS Nano</i> , 2013 , 7, 1676-81	16.7	42
248	An optofluidic prism tuned by two laminar flows. <i>Lab on A Chip</i> , 2011 , 11, 1864-9	7.2	42
247	A liquid waveguide based evanescent wave sensor integrated onto a microfluidic chip. <i>Applied Physics Letters</i> , 2008 , 93, 193901	3.4	42
246	Microfluidic continuous particle/cell separation via electroosmotic-flow-tuned hydrodynamic spreading. <i>Journal of Micromechanics and Microengineering</i> , 2007 , 17, 1992-1999	2	41
245	Discrete wavelength tunable laser using microelectromechanical systems technology. <i>Applied Physics Letters</i> , 2004 , 84, 329-331	3.4	41
244	Linear MEMS variable optical attenuator using reflective elliptical mirror. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 402-404	2.2	39
243	High-resolution and multi-range particle separation by microscopic vibration in an optofluidic chip. <i>Lab on A Chip</i> , 2017 , 17, 2443-2450	7.2	38

242	Micromachined switchable metamaterial with dual resonance. <i>Applied Physics Letters</i> , 2012 , 101, 151902	3.4	38
241	Effects of surface roughness on electromagnetic characteristics of capacitive switches. <i>Journal of Micromechanics and Microengineering</i> , 2006 , 16, 2157-2166	2	38
240	Nano-opto-mechanical actuator driven by gradient optical force. <i>Applied Physics Letters</i> , 2012 , 100, 013104	3.4	37
239	MEMS variable optical attenuator using low driving voltage for DWDM systems. <i>Electronics Letters</i> , 2002 , 38, 382	1.1	37
238	Arbitrary and Independent Polarization Control In Situ via a Single Metasurface. <i>Advanced Optical Materials</i> , 2018 , 6, 1800728	8.1	36
237	Tolerance analysis for comb-drive actuator using DRIE fabrication. <i>Sensors and Actuators A: Physical</i> , 2006 , 125, 494-503	3.9	36
236	Nonuniform photonic crystal taper for high-efficiency mode coupling. <i>Optics Express</i> , 2005 , 13, 7748-59	3.3	34
235	Improvement of isolation for MEMS capacitive switch via membrane planarization. <i>Sensors and Actuators A: Physical</i> , 2005 , 119, 206-213	3.9	34
234	Design, simulation and experiment of electroosmotic microfluidic chip for cell sorting. <i>Sensors and Actuators A: Physical</i> , 2007 , 133, 340-348	3.9	33
233	Technique for preventing stiction and notching effect on silicon-on-insulator microstructure. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2003 , 21, 2530		33
232	Tunable Polarization Conversion and Rotation based on a Reconfigurable Metasurface. <i>Scientific Reports</i> , 2017 , 7, 12068	4.9	32
231	Transformation optofluidics for large-angle light bending and tuning. <i>Lab on A Chip</i> , 2012 , 12, 3785-90	7.2	32
230	Microfluidic droplet grating for reconfigurable optical diffraction. <i>Optics Letters</i> , 2010 , 35, 1890-2	3	32
229	Optical and mechanical models for a variable optical attenuator using a micromirror drawbridge. <i>Journal of Micromechanics and Microengineering</i> , 2003 , 13, 400-411	2	32
228	Study of endothelial cell apoptosis using fluorescence resonance energy transfer (FRET) biosensor cell line with hemodynamic microfluidic chip system. <i>Lab on A Chip</i> , 2013 , 13, 2693-700	7.2	31
227	The lateral instability problem in electrostatic comb drive actuators: modeling and feedback control. <i>Journal of Micromechanics and Microengineering</i> , 2006 , 16, 1233-1241	2	31
226	Droplet optofluidic imaging for bacteriophage detection via co-culture with host cell Escherichia coli. <i>Lab on A Chip</i> , 2014 , 14, 3519-24	7.2	30
225	Determination of single living cell's dry/water mass using optofluidic chip. <i>Applied Physics Letters</i> , 2007 , 91, 223902	3.4	30

224	Exact Solutions for Free-Vibration Analysis of Rectangular Plates Using Bessel Functions. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2007 , 74, 1247-1251	2.7	30
223	Adaptable metasurface for dynamic anomalous reflection. <i>Applied Physics Letters</i> , 2017 , 110, 201904	3.4	29
222	Liquid-metal-based metasurface for terahertz absorption material: Frequency-agile and wide-angle. <i>APL Materials</i> , 2017 , 5, 066103	5.7	29
221	Nanophotonic Array-Induced Dynamic Behavior for Label-Free Shape-Selective Bacteria Sieving. <i>ACS Nano</i> , 2019 , 13, 12070-12080	16.7	29
220	A nanomachined optical logic gate driven by gradient optical force. <i>Applied Physics Letters</i> , 2012 , 100, 113104	3.4	29
219	Tunable laser using micromachined grating with continuous wavelength tuning. <i>Applied Physics Letters</i> , 2004 , 85, 3684-3686	3.4	29
218	Microring resonator-assisted Fourier transform spectrometer with enhanced resolution and large bandwidth in single chip solution. <i>Nature Communications</i> , 2019 , 10, 2349	17.4	28
217	Mechanical characterization of micromachined capacitive switches: design consideration and experimental verification. <i>Sensors and Actuators A: Physical</i> , 2003 , 108, 36-48	3.9	28
216	Optofluidic lens with low spherical and low field curvature aberrations. <i>Lab on A Chip</i> , 2016 , 16, 1617-247.2	7.2	27
215	An on-chip liquid tunable grating using multiphase droplet microfluidics. <i>Applied Physics Letters</i> , 2008 , 93, 164107	3.4	27
214	A tunable bandstop filter via the capacitance change of micromachined switches. <i>Journal of Micromechanics and Microengineering</i> , 2006 , 16, 851-861	2	26
213	A novel integrated micromachined tunable laser using polysilicon 3-D mirror. <i>IEEE Photonics Technology Letters</i> , 2001 , 13, 427-429	2.2	26
212	Three-dimensional plasmonic micro projector for light manipulation. <i>Advanced Materials</i> , 2013 , 25, 1118-23	23	25
211	Fast on-demand droplet fusion using transient cavitation bubbles. <i>Lab on A Chip</i> , 2011 , 11, 1879-85	7.2	25
210	Plasmonic Sensors for Extracellular Vesicle Analysis: From Scientific Development to Translational Research. <i>ACS Nano</i> , 2020 , 14, 14528-14548	16.7	25
209	Optical Potential-Well Array for High-Selectivity, Massive Trapping and Sorting at Nanoscale. <i>Nano Letters</i> , 2020 , 20, 5193-5200	11.5	24
208	Characterization and optimization of dry releasing for the fabrication of RF MEMS capacitive switches. <i>Journal of Micromechanics and Microengineering</i> , 2007 , 17, 2024-2030	2	24
207	Non-linear substructure approach for dynamic analysis of rigid-flexible multibody systems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1994 , 114, 379-396	5.7	24

206	Chip-based quantum key distribution. <i>AAPPS Bulletin</i> , 2021 , 31, 1		24
205	Metafluidic metamaterial: a review. <i>Advances in Physics: X</i> , 2018 , 3, 1417055	5.1	22
204	A pseudo-planar metasurface for a polarization rotator. <i>Optics Express</i> , 2014 , 22, 10446-54	3.3	22
203	Continuous wavelength tuning in micromachined Littrow external-cavity lasers. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 187-197	2	22
202	A Reconfigurable Micromachined Switching Filter Using Periodic Structures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 1154-1162	4.1	21
201	A modeling and analysis of spring-shaped torsion micromirrors for low-voltage applications. <i>International Journal of Mechanical Sciences</i> , 2006 , 48, 650-661	5.5	21
200	Control of a MEMS optical switch 2004 ,		21
199	Design and simulation of MEMS optical switch using photonic bandgap crystal. <i>Microsystem Technologies</i> , 2004 , 10, 400-406	1.7	21
198	Highly Sensitive, Label-Free Detection of 2,4-Dichlorophenoxyacetic Acid Using an Optofluidic Chip. <i>ACS Sensors</i> , 2017 , 2, 955-960	9.2	20
197	Cylindrical Surfaces Enable Wavelength-Selective Extinction and Sub-0.2 nm Linewidth in 250 nm Gap Silicon Fabry-Pérot Cavities. <i>Journal of Microelectromechanical Systems</i> , 2012 , 21, 171-180	2.5	20
196	Optical-force-induced bistability in nanomachined ring resonator systems. <i>Applied Physics Letters</i> , 2012 , 100, 093108	3.4	20
195	Chemiluminescence detector based on a single planar transparent digital microfluidic device. <i>Lab on A Chip</i> , 2013 , 13, 2714-20	7.2	20
194	A nanoelectromechanical systems actuator driven and controlled by Q-factor attenuation of ring resonator. <i>Applied Physics Letters</i> , 2013 , 103, 181105	3.4	19
193	Fabrication of three-dimensional plasmonic cavity by femtosecond laser-induced forward transfer. <i>Optics Express</i> , 2013 , 21, 618-25	3.3	19
192	Pure angular momentum generator using a ring resonator. <i>Optics Express</i> , 2010 , 18, 21651-62	3.3	19
191	Split Archimedean spiral metasurface for controllable GHz asymmetric transmission. <i>Applied Physics Letters</i> , 2019 , 114, 151105	3.4	18
190	Droplet generation via a single bubble transformation in a nanofluidic channel. <i>Lab on A Chip</i> , 2015 , 15, 1451-7	7.2	18
189	Force-induced optical nonlinearity and Kerr-like coefficient in opto-mechanical ring resonators. <i>Optics Express</i> , 2012 , 20, 18005-15	3.3	18

- 188 Micromachined wavelength tunable laser with an extended feedback model. *IEEE Journal of Selected Topics in Quantum Electronics*, **2002**, 8, 73-79 3.8 18
- 187 High isolation X-band MEMS capacitive switches. *Sensors and Actuators A: Physical*, **2005**, 120, 241-248 3.9 18
- 186 Resonance Switchable Metamaterials Using MEMS Fabrications. *IEEE Journal of Selected Topics in Quantum Electronics*, **2013**, 19, 4700306-4700306 3.8 17
- 185 . *IEEE Photonics Technology Letters*, **2015**, 27, 767-769 2.2 17
- 184 Photonic bandgap crystal resonator enhanced, laser controlled modulations of optical interconnects for photonic integrated circuits. *Optics Express*, **2008**, 16, 7842-8 3.3 17
- 183 Single-/multi-mode tunable lasers using MEMS mirror and grating. *Sensors and Actuators A: Physical*, **2003**, 108, 49-54 3.9 17
- 182 A single-pole double-throw (SPDT) circuit using lateral metal-contact micromachined switches. *Sensors and Actuators A: Physical*, **2005**, 121, 187-196 3.9 17
- 181 RF MEMS Switches and Integrated Switching Circuits. *Journal of Semiconductor Technology and Science*, **2007**, 7, 166-176 1.5 17
- 180 Stirring in Suspension: Nanometer-Sized Magnetic Stir Bars. *Angewandte Chemie*, **2013**, 125, 8732-8735 3.6 16
- 179 Micromachined FabryPerot resonator combining submillimeter cavity length and high quality factor. *Applied Physics Letters*, **2011**, 98, 211113 3.4 16
- 178 A micromachined tunable coupled-cavity laser for wide tuning range and high spectral purity. *Optics Express*, **2008**, 16, 16670-9 3.3 16
- 177 A micromachined optical double well for thermo-optic switching via resonant tunneling effect. *Applied Physics Letters*, **2008**, 92, 251101 3.4 16
- 176 Micromachined optical well structure for thermo-optic switching. *Applied Physics Letters*, **2007**, 91, 261106 3.4 15
- 175 Fabrication and demonstration of square lattice two-dimensional rod-type photonic bandgap crystal optical intersections. *Photonics and Nanostructures - Fundamentals and Applications*, **2006**, 4, 103-115 3.6 15
- 174 Extraordinary Multipole Modes and Ultra-Enhanced Optical Lateral Force by Chirality. *Physical Review Letters*, **2020**, 125, 043901 7.4 15
- 173 Retro-Axial VOA Using Parabolic Mirror Pair. *IEEE Photonics Technology Letters*, **2007**, 19, 692-694 2.2 14
- 172 High resolution and aspect ratio two-dimensional photonic band-gap crystal. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2004**, 22, 2640 14
- 171 Mixed-interface substructures for dynamic analysis of flexible multibody systems. *Engineering Structures*, **1996**, 18, 495-503 4.7 14

170	Study of cyanoethyl pullulan as insulator for electrowetting. <i>Sensors and Actuators B: Chemical</i> , 2014 , 199, 183-189	8.5	13
169	Cell compressibility studies utilizing noncontact hydrostatic pressure measurements on single living cells in a microchamber. <i>Applied Physics Letters</i> , 2008 , 92, 233901	3.4	13
168	A Novel Reconfigurable Filter Using Periodic Structures 2006 ,		13
167	Micromachined DC contact capacitive switch on low-resistivity silicon substrate. <i>Sensors and Actuators A: Physical</i> , 2006 , 127, 24-30	3.9	13
166	Polysilicon micromachined fiber-optical attenuator for DWDM applications. <i>Sensors and Actuators A: Physical</i> , 2003 , 108, 28-35	3.9	13
165	Determination of refractive index for single living cell using integrated biochip		13
164	Micro-opto-mechanical grating switches. <i>Sensors and Actuators A: Physical</i> , 2000 , 86, 127-134	3.9	13
163	Silencing of the hTERT gene by shRNA inhibits colon cancer SW480 cell growth in vitro and in vivo. <i>PLoS ONE</i> , 2014 , 9, e107019	3.7	12
162	Asymmetric Tuning Schemes of MEMS Dual-Shutter VOA. <i>Journal of Lightwave Technology</i> , 2008 , 26, 569-579	4	12
161	Transmitting light efficiently on photonic crystal surface waveguide bend. <i>Applied Physics Letters</i> , 2007 , 91, 171109	3.4	12
160	MEMS switch based serial reconfigurable OADM. <i>Optics Communications</i> , 2004 , 230, 81-89	2	12
159	CytoPAN-Portable cellular analyses for rapid point-of-care cancer diagnosis. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	11
158	Thermal-Optic Switch by Total Internal Reflection of Micromachined Silicon Prism. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007 , 13, 348-358	3.8	10
157	A Real Pivot Structure for MEMS Tunable Lasers. <i>Journal of Microelectromechanical Systems</i> , 2007 , 16, 269-278	2.5	10
156	MEMS-based tunable bandstop filter using electromagnetic bandgap (EBG) structures		10
155	A New Approach of Lateral RF MEMS Switch. <i>Analog Integrated Circuits and Signal Processing</i> , 2004 , 40, 165-173	1.2	10
154	Optimization of design and fabrication for micromachined true time delay (TTD) phase shifters. <i>Sensors and Actuators A: Physical</i> , 2005 , 119, 446-454	3.9	10
153	Dynamics of flexible multibody systems using loaded-interface substructure synthesis approach. <i>Computational Mechanics</i> , 1994 , 15, 270-283	4	10

152	A silicon-nanowire memory driven by optical gradient force induced bistability. <i>Applied Physics Letters</i> , 2015 , 107, 261111	3.4	9
151	Liquid refractive index sensors using resonant optical tunneling effect for ultra-high sensitivity. <i>Sensors and Actuators A: Physical</i> , 2011 , 169, 347-351	3.9	9
150	Light-Intensity-Feedback-Waveform Generator Based on MEMS Variable Optical Attenuator. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 417-426	8.9	9
149	A frequency-selective circulator via mode coupling between surface waveguide and resonators. <i>Applied Physics Letters</i> , 2008 , 92, 021119	3.4	9
148	A miniature tunable coupled-cavity laser constructed by micromachining technology. <i>Applied Physics Letters</i> , 2008 , 92, 031105	3.4	9
147	Fas-associated factor 1 inhibits tumor growth by suppressing Helicobacter pylori-induced activation of NF- κ B signaling in human gastric carcinoma. <i>Oncotarget</i> , 2017 , 8, 7999-8009	3.3	9
146	Chip-Based Measurement-Device-Independent Quantum Key Distribution Using Integrated Silicon Photonic Systems. <i>Physical Review Applied</i> , 2020 , 14,	4.3	9
145	Chemical reaction monitoring via the light focusing in optofluidic waveguides. <i>Sensors and Actuators B: Chemical</i> , 2019 , 280, 16-23	8.5	9
144	Pangolin-Inspired Stretchable, Microwave-Invisible Metascale. <i>Advanced Materials</i> , 2021 , 33, e2102131	24	9
143	Optofluidic Microengine in A Dynamic Flow Environment via Self-Induced Back-Action. <i>ACS Photonics</i> , 2020 , 7, 1500-1507	6.3	8
142	Real-time measurement of thrombin generation using continuous droplet microfluidics. <i>Biomicrofluidics</i> , 2014 , 8, 052108	3.2	8
141	Torsional frequency mixing and sensing in optomechanical resonators. <i>Applied Physics Letters</i> , 2017 , 111, 111102	3.4	8
140	Water's tensile strength measured using an optofluidic chip. <i>Lab on A Chip</i> , 2015 , 15, 2158-61	7.2	8
139	A MEMS tunable metamaterial filter 2010 ,		8
138	Micromachined tunable filter using fractal electromagnetic bandgap (EBG) structures. <i>Sensors and Actuators A: Physical</i> , 2007 , 133, 355-362	3.9	8
137			8
136	Light switching via thermo-optic effect of micromachined silicon prism. <i>Applied Physics Letters</i> , 2006 , 88, 243501	3.4	8
135	The Effective Design of Bean Bag as a Vibroimpact Damper. <i>Shock and Vibration</i> , 2000 , 7, 343-354	1.1	8

134	Massive nanophotonic trapping and alignment of rod-shaped bacteria for parallel single-cell studies. <i>Sensors and Actuators B: Chemical</i> , 2020 , 306, 127562	8.5	8
133	On-Chip Optical Detection of Viruses: A Review. <i>Advanced Photonics Research</i> , 2021 , 2, 2000150	1.9	8
132	Space-efficient optical computing with an integrated chip diffractive neural network.. <i>Nature Communications</i> , 2022 , 13, 1044	17.4	8
131	Coupled-ring reflector in an external-cavity tunable laser. <i>Optica</i> , 2015 , 2, 940	8.6	7
130	Effectiveness and safety profile of S-1-based chemotherapy compared with capecitabine-based chemotherapy for advanced gastric and colorectal cancer: A meta-analysis. <i>Experimental and Therapeutic Medicine</i> , 2014 , 7, 1271-1278	2.1	7
129	Exact step-coupling theory for mode-coupling behavior in geometrical variation photonic crystal waveguides. <i>Physical Review B</i> , 2009 , 80,	3.3	7
128	Label-Free Protein Detection via Gold Nanoparticles and Localized Surface Plasmon Resonance. <i>Advanced Materials Research</i> , 2009 , 74, 95-98	0.5	7
127	Hole-type two-dimensional photonic crystal fabricated in silicon on insulator wafers. <i>Sensors and Actuators A: Physical</i> , 2007 , 133, 388-394	3.9	7
126	Light focusing via Rowland concave surface of photonic crystal. <i>Applied Physics Letters</i> , 2007 , 91, 221105	3.4	7
125	Open vs. Closed-Loop Control of the MEMS Electrostatic Comb Drive		7
124	Tunable MEMS LC resonator with large tuning range. <i>Electronics Letters</i> , 2005 , 41, 855	1.1	7
123	Broad-Band Band-Pass and Band-Stop Filters with Sharp Cut-off Frequencies Based on Series CPW Stubs 2006 ,		7
122	Exact solution of resonant modes in a rectangular resonator. <i>Optics Letters</i> , 2006 , 31, 1720-2	3	7
121	Modified step-theory for investigating mode coupling mechanism in photonic crystal waveguide taper. <i>Optics Express</i> , 2006 , 14, 6035-54	3.3	7
120	Multiple scattering of a spherical acoustic wave from fluid spheres. <i>Journal of Sound and Vibration</i> , 2006 , 290, 17-33	3.9	7
119	First Report of Coleus blumei viroid 2 from Commercial Coleus in China. <i>Plant Disease</i> , 2011 , 95, 494	1.5	7
118	Continuous optical sorting of nanoscale biomolecules in integrated microfluidic-nanophotonic chips. <i>Sensors and Actuators B: Chemical</i> , 2021 , 331, 129428	8.5	7
117	A Single-Chip Integrated Spectrometer via Tunable Microring Resonator Array. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-9	1.8	6

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