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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.

378 papers	12,420 citations	58 h-index	99 g-index
486 ext. papers	15,162 ext. citations	4.1 avg, IF	6.35 L-index

#	Paper	IF	Citations
378	Massively parallel manipulation of single cells and microparticles using optical images. <i>Nature</i> , 2005 , 436, 370-2	50.4	1011
377	Three-dimensional nanopillar-array photovoltaics on low-cost and flexible substrates. <i>Nature Materials</i> , 2009 , 8, 648-53	27	909
376	Optically- and thermally-responsive programmable materials based on carbon nanotube-hydrogel polymer composites. <i>Nano Letters</i> , 2011 , 11, 3239-44	11.5	411
375	Nanofocusing in a metal-insulator-metal gap plasmon waveguide with a three-dimensional linear taper. <i>Nature Photonics</i> , 2012 , 6, 838-844	33.9	252
374	Ordered arrays of dual-diameter nanopillars for maximized optical absorption. <i>Nano Letters</i> , 2010 , 10, 3823-7	11.5	249
373	Optical MEMS for Lightwave Communication. <i>Journal of Lightwave Technology</i> , 2006 , 24, 4433-4454	4	223
372	Dynamic manipulation and separation of individual semiconducting and metallic nanowires. <i>Nature Photonics</i> , 2008 , 2, 86-89	33.9	200
371	Subwavelength metal-optic semiconductor nanopatch lasers. <i>Optics Express</i> , 2010 , 18, 8790-9	3.3	174
370	Micromachining for optical and optoelectronic systems. <i>Proceedings of the IEEE</i> , 1997 , 85, 1833-1856	14.3	163
369	Light actuation of liquid by optoelectrowetting. <i>Sensors and Actuators A: Physical</i> , 2003 , 104, 222-228	3.9	160
368	Subpicosecond monolithic colliding-pulse mode-locked multiple quantum well lasers. <i>Applied Physics Letters</i> , 1991 , 58, 1253-1255	3.4	159
367	Enhanced Modulation Characteristics of Optical Injection-Locked Lasers: A Tutorial. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009 , 15, 618-633	3.8	154
366	Large-scale broadband digital silicon photonic switches with vertical adiabatic couplers. <i>Optica</i> , 2016 , 3, 64	8.6	152
365	. <i>Journal of Microelectromechanical Systems</i> , 2006 , 15, 338-343	2.5	133
364	Monolithic colliding-pulse mode-locked quantum-well lasers. <i>IEEE Journal of Quantum Electronics</i> , 1992 , 28, 2176-2185	2	130
363	Radiation engineering of optical antennas for maximum field enhancement. <i>Nano Letters</i> , 2011 , 11, 2606-10	11.9	129
362	Large-scale silicon photonic switches with movable directional couplers. <i>Optica</i> , 2015 , 2, 370	8.6	125

361	EWOD-driven droplet microfluidic device integrated with optoelectronic tweezers as an automated platform for cellular isolation and analysis. <i>Lab on A Chip</i> , 2009 , 9, 1732-9	7.2	123
360	Strong optical injection-locked semiconductor lasers demonstrating > 100-GHz resonance frequencies and 80-GHz intrinsic bandwidths. <i>Optics Express</i> , 2008 , 16, 6609-18	3.3	123
359	Free-space fiber-optic switches based on MEMS vertical torsion mirrors. <i>Journal of Lightwave Technology</i> , 1999 , 17, 7-13	4	110
358	Dynamic Cell and Microparticle Control via Optoelectronic Tweezers. <i>Journal of Microelectromechanical Systems</i> , 2007 , 16, 491-499	2.5	109
357	Optical antenna enhanced spontaneous emission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1704-9	11.5	106
356	Engineering light outcoupling in 2D materials. <i>Nano Letters</i> , 2015 , 15, 1356-61	11.5	105
355	Two-axis MEMS Scanning Catheter for Ultrahigh Resolution Three-dimensional and En Face Imaging. <i>Optics Express</i> , 2007 , 15, 2445-53	3.3	102
354	Enhanced modulation bandwidth of nanocavity light emitting devices. <i>Optics Express</i> , 2009 , 17, 7790-9	3.3	101
353	Large-area and bright pulsed electroluminescence in monolayer semiconductors. <i>Nature Communications</i> , 2018 , 9, 1229	17.4	93
352	Lidar System Architectures and Circuits 2017 , 55, 135-142		92
351	Phototransistor-based optoelectronic tweezers for dynamic cell manipulation in cell culture media. <i>Lab on A Chip</i> , 2010 , 10, 165-72	7.2	91
350	High-power high-speed photodetectors-design, analysis, and experimental demonstration. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1997 , 45, 1320-1331	4.1	91
349	Characterization of a coherent optical RF channelizer based on a diffraction grating. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 1996-2001	4.1	91
348	Linearization of electrostatically actuated surface micromachined 2-D optical scanner. <i>Journal of Microelectromechanical Systems</i> , 2001 , 10, 205-214	2.5	91
347	. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 90-99	2	89
346	Operational Regimes and Physics Present in Optoelectronic Tweezers. <i>Journal of Microelectromechanical Systems</i> , 2008 , 17, 342-350	2.5	89
345	Plasmonic crystal defect nanolaser. <i>Optics Express</i> , 2011 , 19, 18237-45	3.3	86
344	Low-voltage, large-scan angle MEMS analog micromirror arrays with hidden vertical comb-drive actuators. <i>Journal of Microelectromechanical Systems</i> , 2004 , 13, 279-289	2.5	86

- 343 . *IEEE Photonics Technology Letters*, **1994**, 6, 1445-1447 2.2 85
- 342 A high-speed low-voltage stress-induced micromachined 2 x 2 optical switch. *IEEE Photonics Technology Letters*, **1999**, 11, 1396-1398 2.2 84
- 341 Micromachined free-space integrated micro-optics. *Sensors and Actuators A: Physical*, **1995**, 50, 127-134 3.9 83
- 340 NanoPen: dynamic, low-power, and light-actuated patterning of nanoparticles. *Nano Letters*, **2009**, 9, 2921-5 11.5 81
- 339 Parallel single-cell light-induced electroporation and dielectrophoretic manipulation. *Lab on A Chip*, **2009**, 9, 1714-20 7.2 80
- 338 Transform-limited 1.4 ps optical pulses from a monolithic colliding-pulse mode-locked quantum well laser. *Applied Physics Letters*, **1990**, 57, 759-761 3.4 79
- 337 Surface- and bulk- micromachined two-dimensional scanner driven by angular vertical comb actuators. *Journal of Microelectromechanical Systems*, **2005**, 14, 1329-1338 2.5 78
- 336 Light-Actuated AC Electroosmosis for Nanoparticle Manipulation. *Journal of Microelectromechanical Systems*, **2008**, 17, 525-531 2.5 77
- 335 Continuous optoelectrowetting for picoliter droplet manipulation. *Applied Physics Letters*, **2008**, 93, 2213-14 11.0 76
- 334 Theory and experiments of angular vertical comb-drive actuators for scanning micromirrors. *IEEE Journal of Selected Topics in Quantum Electronics*, **2004**, 10, 505-513 3.8 74
- 333 Optically Controlled Cell Discrimination and Trapping Using Optoelectronic Tweezers. *IEEE Journal of Selected Topics in Quantum Electronics*, **2007**, 13, 235-243 3.8 73
- 332 Optical Single Sideband Modulation Using Strong Optical Injection-Locked Semiconductor Lasers. *IEEE Photonics Technology Letters*, **2007**, 19, 1005-1007 2.2 70
- 331 Droplet Manipulation With Light on Optoelectrowetting Device. *Journal of Microelectromechanical Systems*, **2008**, 17, 133-138 2.5 69
- 330 Experimental demonstration of modulation bandwidth enhancement in distributed feedback lasers with external light injection. *Electronics Letters*, **1998**, 34, 2031 1.1 67
- 329 Velocity-matched distributed photodetectors with high-saturation power and large bandwidth. *IEEE Photonics Technology Letters*, **1996**, 8, 1376-1378 2.2 67
- 328 Black Ge based on crystalline/amorphous core/shell nanoneedle arrays. *Nano Letters*, **2010**, 10, 520-3 11.5 65
- 327 2D broadband beamsteering with large-scale MEMS optical phased array. *Optica*, **2019**, 6, 557 8.6 65
- 326 Tunable coupling regimes of silicon microdisk resonators using MEMS actuators. *Optics Express*, **2006**, 14, 4703-12 3.3 62

325	A 970 nm strained-layer InGaAs/GaAlAs quantum well laser for pumping an erbium-doped optical fiber amplifier. <i>Applied Physics Letters</i> , 1990 , 56, 221-223	3.4	62
324	Silicon Microtoroidal Resonators With Integrated MEMS Tunable Coupler. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007 , 13, 202-208	3.8	60
323	Wafer-scale silicon photonic switches beyond die size limit. <i>Optica</i> , 2019 , 6, 490	8.6	60
322	A surface micromachined optical scanner array using photoresist lenses fabricated by a thermal reflow process. <i>Journal of Lightwave Technology</i> , 2003 , 21, 1700-1708	4	58
321	Optically actuated thermocapillary movement of gas bubbles on an absorbing substrate. <i>Applied Physics Letters</i> , 2007 , nihpa130823	3.4	56
320	Surface-micromachined 2-D optical scanners with high-performance single-crystalline silicon micromirrors. <i>IEEE Photonics Technology Letters</i> , 2001 , 13, 606-608	2.2	56
319	Out-of-plane refractive microlens fabricated by surface micromachining. <i>IEEE Photonics Technology Letters</i> , 1996 , 8, 1349-1351	2.2	56
318	MEMS-actuated microdisk resonators with variable power coupling ratios. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1034-1036	2.2	55
317	Contact printing of compositionally graded CdS(x)Se(1-x) nanowire parallel arrays for tunable photodetectors. <i>Nanotechnology</i> , 2012 , 23, 045201	3.4	54
316	A novel multiwavelength optically controlled phased array antenna with a programmable dispersion matrix. <i>IEEE Photonics Technology Letters</i> , 1996 , 8, 812-814	2.2	53
315	Micro-opto-electro-mechanical devices and on-chip optical processing. <i>Optical Engineering</i> , 1997 , 36, 1282	1.1	52
314	Motile and non-motile sperm diagnostic manipulation using optoelectronic tweezers. <i>Lab on A Chip</i> , 2010 , 10, 3213-7	7.2	51
313	. <i>IEEE Photonics Technology Letters</i> , 1992 , 4, 212-215	2.2	50
312	Roll-to-roll anodization and etching of aluminum foils for high-throughput surface nanotexturing. <i>Nano Letters</i> , 2011 , 11, 3425-30	11.5	49
311	Three-dimensional micro-Fresnel optical elements fabricated by micromachining technique. <i>Electronics Letters</i> , 1994 , 30, 448-449	1.1	49
310	Very low threshold single quantum well graded-index separate confinement heterostructure InGaAs/InGaAsP lasers grown by chemical beam epitaxy. <i>Applied Physics Letters</i> , 1991 , 58, 2610-2612	3.4	49
309	Angular vertical comb-driven tunable capacitor with high-tuning capabilities. <i>Journal of Microelectromechanical Systems</i> , 2004 , 13, 406-413	2.5	48
308	Improved intrinsic dynamic distortions in directly modulated semiconductor lasers by optical injection locking. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1999 , 47, 1172-1176	4.1	48

307	High-accuracy range-sensing system based on FMCW using low-cost VCSEL. <i>Optics Express</i> , 2018 , 26, 9285-9297	3.3	47
306	Optical phased array using high contrast gratings for two dimensional beamforming and beamsteering. <i>Optics Express</i> , 2013 , 21, 12238-48	3.3	46
305	Novel cascaded injection-locked 1.55- μm VCSELs with 66 GHz modulation bandwidth. <i>Optics Express</i> , 2007 , 15, 14810-6	3.3	45
304	Experimental demonstration of bipolar optical CDMA system using a balanced transmitter and complementary spectral encoding. <i>IEEE Photonics Technology Letters</i> , 1998 , 10, 1504-1506	2.2	45
303	Surface-emitting laser diode with vertical GaAs/GaAlAs quarter-wavelength multilayers and lateral buried heterostructure. <i>Applied Physics Letters</i> , 1987 , 51, 1655-1657	3.4	45
302	Optoelectronic Oscillators Using Direct-Modulated Semiconductor Lasers Under Strong Optical Injection. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009 , 15, 572-577	3.8	42
301	Optical beamsteering using an 8 \times 8 MEMS phased array with closed-loop interferometric phase control. <i>Optics Express</i> , 2013 , 21, 2807-15	3.3	41
300	Parallel trapping of multiwalled carbon nanotubes with optoelectronic tweezers. <i>Applied Physics Letters</i> , 2009 , 95, 113104	3.4	40
299	Fast, high-throughput creation of size-tunable micro/nanoparticle clusters via evaporative self-assembly in picoliter-scale droplets of particle suspension. <i>Langmuir</i> , 2012 , 28, 3102-11	4	39
298	A periodic index separate confinement heterostructure quantum well laser. <i>Applied Physics Letters</i> , 1991 , 59, 1046-1048	3.4	39
297	Microenvironmental geometry guides platelet adhesion and spreading: a quantitative analysis at the single cell level. <i>PLoS ONE</i> , 2011 , 6, e26437	3.7	38
296	Open-loop operation of MEMS-based 1/spl times/N wavelength-selective switch with long-term stability and repeatability. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 1041-1043	2.2	38
295	Trap profiles of projector based optoelectronic tweezers (OET) with HeLa cells. <i>Optics Express</i> , 2009 , 17, 5232-9	3.3	37
294	Laser frequency sweep linearization by iterative learning pre-distortion for FMCW LiDAR. <i>Optics Express</i> , 2019 , 27, 9965-9974	3.3	37
293	Efficient waveguide-coupling of metal-clad nanolaser cavities. <i>Optics Express</i> , 2011 , 19, 23504-12	3.3	36
292	Bandwidth-tunable add-drop filters based on micro-electro-mechanical-system actuated silicon microtoroidal resonators. <i>Optics Letters</i> , 2009 , 34, 2557-9	3	35
291	. <i>Journal of Lightwave Technology</i> , 2009 , 27, 5552-5562	4	35
290	. <i>Journal of Microelectromechanical Systems</i> , 2006 , 15, 1209-1213	2.5	35

289	Surface-micromachined free-space micro-optical systems containing three-dimensional microgratings. <i>Applied Physics Letters</i> , 1995 , 67, 2135-2137	3.4	34
288	Self-aligned InGaAs/GaAs/InGaP quantum well lasers prepared by gas-source molecular beam epitaxy with two growth steps. <i>Applied Physics Letters</i> , 1991 , 59, 2929-2931	3.4	34
287	Design and characterization of MEMS micromotor supported on low friction liquid bearing. <i>Sensors and Actuators A: Physical</i> , 2012 , 177, 1-9	3.9	33
286	High speed optical phased array using high contrast grating all-pass filters. <i>Optics Express</i> , 2014 , 22, 20038-44	3.5	33
285	A unified platform for optoelectrowetting and optoelectronic tweezers. <i>Lab on A Chip</i> , 2011 , 11, 1292-7	7.2	33
284	. <i>Journal of Microelectromechanical Systems</i> , 2005 , 14, 1323-1328	2.5	33
283	On the effect of the barrier widths in the InAs/AlSb/GaSb single-barrier interband tunneling structures. <i>Journal of Applied Physics</i> , 1990 , 68, 3451-3455	2.5	32
282	Bandwidth Enhancement by Master Modulation of Optical Injection-Locked Lasers. <i>Journal of Lightwave Technology</i> , 2008 , 26, 2584-2593	4	31
281	Surface-micromachined free-space fibre-optic switches. <i>Electronics Letters</i> , 1995 , 31, 1481-1482	1.1	31
280	Low threshold and high power output 1.5 μ m InGaAs/InGaAsP separate confinement multiple quantum well laser grown by chemical beam epitaxy. <i>Applied Physics Letters</i> , 1990 , 57, 2065-2067	3.4	31
279	A 32 \times 32 optical phased array using polysilicon sub-wavelength high-contrast-grating mirrors. <i>Optics Express</i> , 2014 , 22, 19029-39	3.3	30
278	A high port-count wavelength-selective switch using a large scan-angle, high fill-factor, two-axis MEMS scanner array. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1439-1441	2.2	30
277	Germanium Gate PhotoMOSFET Integrated to Silicon Photonics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014 , 20, 1-7	3.8	29
276	. <i>Journal of Lightwave Technology</i> , 2018 , 36, 1824-1830	4	28
275	Electronic-Photonic Integrated Circuit for 3D Microimaging. <i>IEEE Journal of Solid-State Circuits</i> , 2017 , 52, 161-172	5.5	28
274	Shape-controlled synthesis of single-crystalline nanopillar arrays by template-assisted vapor-liquid-solid process. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13972-4	16.4	28
273	Realization of novel monolithic free-space optical disk pickup heads by surface micromachining. <i>Optics Letters</i> , 1996 , 21, 155-7	3	28
272	Preimplantation mouse embryo selection guided by light-induced dielectrophoresis. <i>PLoS ONE</i> , 2010 , 5, e10160	3.7	28

271	Surface-micromachined micro-XYZ stages for free-space microoptical bench. <i>IEEE Photonics Technology Letters</i> , 1997 , 9, 345-347	2.2	27
270	Variable bandwidth of dynamic add-drop filters based on coupling-controlled microdisk resonators. <i>Optics Letters</i> , 2006 , 31, 2444-6	3	27
269	Optically controlled phased array radar receiver using SLM switched real time delays 1995 , 5, 414-416		27
268	InGaAs/GaAs/InGaP multiple-quantum-well lasers prepared by gas-source molecular beam epitaxy. <i>Applied Physics Letters</i> , 1991 , 59, 2781-2783	3-4	27
267	Semiconductor distributed feedback lasers with quantum well or superlattice gratings for index or gain-coupled optical feedback. <i>Applied Physics Letters</i> , 1992 , 60, 2580-2582	3-4	27
266	Low loss hollow-core waveguide on a silicon substrate. <i>Nanophotonics</i> , 2012 , 1, 23-29	6.3	26
265	Multiwavelength optically controlled phased-array antennas. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1998 , 46, 108-115	4.1	26
264	1/spl times/N/sup 2/ wavelength-selective switch with two cross-scanning one-axis analog micromirror arrays in a 4-f optical system. <i>Journal of Lightwave Technology</i> , 2006 , 24, 897-903	4	26
263	Micromachining of mesoporous oxide films for microelectromechanical system structures. <i>Journal of Materials Research</i> , 2002 , 17, 2121-2129	2.5	26
262	Velocity-matched distributed photodetectors and balanced photodetectors with p-i-n photodiodes. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 1914-1920	4.1	26
261	Surface-emitting second-harmonic generator for waveguide study. <i>Applied Physics Letters</i> , 1988 , 52, 422-424	3.4	26
260	Germanium wrap-around photodetectors on Silicon photonics. <i>Optics Express</i> , 2015 , 23, 11975-84	3.3	25
259	Selective area epitaxy and growth over patterned substrates by chemical beam epitaxy. <i>Electronics Letters</i> , 1991 , 27, 3-5	1.1	25
258	InAs/AlSb/GaSb single-barrier interband tunneling diodes with high peak-to-valley ratios at room temperature. <i>Journal of Applied Physics</i> , 1990 , 68, 3040-3043	2.5	25
257	Dislocation microstructures on flat and stepped Si surfaces: Guidance for growing high-quality GaAs on (100) Si substrates. <i>Applied Physics Letters</i> , 1988 , 52, 1386-1388	3-4	25
256	Engineering of metal-clad optical nanocavity to optimize coupling with integrated waveguides. <i>Optics Express</i> , 2013 , 21, 25796-804	3.3	24
255	10.1 nm range continuous wavelength-tunable vertical-cavity surface-emitting lasers. <i>Electronics Letters</i> , 1994 , 30, 1409-1410	1.1	24
254	Linewidth broadening due to longitudinal spatial hole burning in a long distributed feedback laser. <i>Applied Physics Letters</i> , 1988 , 52, 1119-1121	3-4	24

253	Efficient Coupling of an Antenna-Enhanced nanoLED into an Integrated InP Waveguide. <i>Nano Letters</i> , 2015 , 15, 3329-33	11.5	23
252	Angle-independent plasmonic infrared band-stop reflective filter based on the Ag/SiO ₂ /Ag T-shaped array. <i>Optics Letters</i> , 2011 , 36, 1440-2	3	23
251	CW injection locking of a mode-locked semiconductor laser as a local oscillator comb for channelizing broad-band RF signals. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1999 , 47, 1225-1233	4.1	23
250	Highly Scalable Digital Silicon Photonic MEMS Switches. <i>Journal of Lightwave Technology</i> , 2016 , 34, 365-371	4.1	22
249	Picojoule-level octave-spanning supercontinuum generation in chalcogenide waveguides. <i>Optics Express</i> , 2018 , 26, 21358-21363	3.3	22
248	Rationally Designed, Three-Dimensional Carbon Nanotube Back-Contacts for Efficient Solar Devices. <i>Advanced Energy Materials</i> , 2011 , 1, 1040-1045	21.8	22
247	Heterogeneous integration of InGaAsP microdisk laser on a silicon platform using optofluidic assembly. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 95, 967-972	2.6	22
246	MEMS-actuated photonic crystal switches. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 358-360	2.2	22
245	Scanning micromirrors: an overview 2004 ,		22
244	InGaP/GaAs/InGaP double heterostructure bipolar transistors with carbon-doped base grown by CBE. <i>Electronics Letters</i> , 1992 , 28, 1228	1.1	22
243	Strained-layer 1.5 μ m wavelength InGaAs/InP multiple quantum well lasers grown by chemical beam epitaxy. <i>Electronics Letters</i> , 1990 , 26, 2035	1.1	22
242	Optical Properties and Modulation Characteristics of Ultra-Strong Injection-Locked Distributed Feedback Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007 , 13, 1215-1221	3.8	21
241	Tandem single sideband modulation scheme for doubling spectral efficiency of analogue fibre links. <i>Electronics Letters</i> , 2000 , 36, 1135	1.1	21
240	Experimental demonstration of a balanced electroabsorption modulated microwave photonic link. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 1956-1961	4.1	20
239	Transmit/receive module of multiwavelength optically controlled phased-array antennas. <i>IEEE Photonics Technology Letters</i> , 1998 , 10, 1018-1020	2.2	20
238	Distributed balanced photodetectors for broad-band noise suppression. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1999 , 47, 1282-1288	4.1	20
237	. <i>IEEE Photonics Technology Letters</i> , 1995 , 7, 1031-1033	2.2	20
236	Linearization of a two-axis MEMS scanner driven by vertical comb-drive actuators. <i>Journal of Micromechanics and Microengineering</i> , 2008 , 18, 015015	2	19

235	Optical scanners realized by surface-micromachined vertical torsion mirror. <i>IEEE Photonics Technology Letters</i> , 1999 , 11, 587-589	2.2	19
234	. <i>IEEE Photonics Technology Letters</i> , 1991 , 3, 406-408	2.2	19
233	A novel monolithic distributed traveling-wave photodetector with parallel optical feed. <i>IEEE Photonics Technology Letters</i> , 2000 , 12, 681-683	2.2	18
232	Silicon photonic wavelength cross-connect with integrated MEMS switching. <i>APL Photonics</i> , 2019 , 4, 100803	2.2	17
231	High optical quality polycrystalline indium phosphide grown on metal substrates by metalorganic chemical vapor deposition. <i>Journal of Applied Physics</i> , 2012 , 111, 123112	2.5	17
230	Antifouling coatings for optoelectronic tweezers. <i>Lab on A Chip</i> , 2009 , 9, 2952-7	7.2	17
229	Optoelectronic tweezers as a tool for parallel single-cell manipulation and stimulation. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2009 , 3, 424-31	5.1	17
228	Programmable dispersion matrix using Bragg fibre grating for optically controlled phased array antennas. <i>Electronics Letters</i> , 1996 , 32, 1532	1.1	17
227	Suppression of second harmonic distortion in directly modulated distributed feedback lasers by external light injection. <i>Electronics Letters</i> , 1998 , 34, 2040	1.1	17
226	Two-axis MEMS scanners with radial vertical combdrive actuators—design, theoretical analysis, and fabrication. <i>Journal of Optics</i> , 2008 , 10, 044006		17
225	Scaling of resonance frequency for strong injection-locked lasers. <i>Optics Letters</i> , 2007 , 32, 3373-5	3	17
224	InGaAsP(1.3 μm)/InP vertical-cavity surface-emitting laser grown by metalorganic vapor phase epitaxy. <i>Applied Physics Letters</i> , 1990 , 56, 889-891	3.4	17
223	A noninvasive, motility independent, sperm sorting method and technology to identify and retrieve individual viable nonmotile sperm for intracytoplasmic sperm injection. <i>Journal of Urology</i> , 2010 , 184, 2466-72	2.5	16
222	Linear phase-and-frequency-modulated photonic links using optical discriminators. <i>Optics Express</i> , 2012 , 20, 26292-8	3.3	16
221	Compact optical curvature sensor with a flexible microdisk laser on a polymer substrate. <i>Optics Letters</i> , 2009 , 34, 2733-5	3	16
220	. <i>Journal of Lightwave Technology</i> , 2002 , 20, 285-295	4	16
219	Reconfigurable Linear Optical FM Discriminator. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1856-1859	2.2	15
218	Tourist behaviors in wetland park: A preliminary study in Xixi National Wetland Park, Hangzhou, China. <i>Chinese Geographical Science</i> , 2010 , 20, 66-73	2.9	15

217	Generation of millimeter waves by photomixing at 1.55 μm using InGaAs-InAlAs-InP velocity-matched distributed photodetectors. <i>IEEE Photonics Technology Letters</i> , 2000 , 12, 1055-1057	2.2	15
216	Maximizing spectral utilization in WDM systems by microwave domain filtering of tandem single sidebands. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 2042-2047	4.1	15
215	5050 Digital Silicon Photonic Switches with MEMS-Actuated Adiabatic Couplers 2015 ,		14
214	6464 Low-loss and broadband digital silicon photonic MEMS switches 2015 ,		14
213	Light-actuated digital microfluidics for large-scale, parallel manipulation of arbitrarily sized droplets 2010 ,		14
212	Robust free space board-to-board optical interconnect with closed loop MEMS tracking. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 95, 973-982	2.6	14
211	Demonstration of an analog fiber-optic link employing a directly modulated semiconductor laser with external light injection. <i>IEEE Photonics Technology Letters</i> , 1998 , 10, 1620-1622	2.2	14
210	Long-wavelength InGaAsP/InP multiquantum well distributed feedback and distributed Bragg reflector lasers grown by chemical beam epitaxy. <i>IEEE Journal of Quantum Electronics</i> , 1994 , 30, 1370-1380		14
209	128128 Silicon Photonic MEMS Switch with Scalable Row/Column Addressing 2018 ,		14
208	Tunable three-dimensional solid Fabry-Perot etalons fabricated by surface-micromachining. <i>IEEE Photonics Technology Letters</i> , 1996 , 8, 101-103	2.2	13
207	GaAs/GaAlAs distributed Bragg reflector laser with a focused ion beam, low dose dopant implanted grating. <i>Applied Physics Letters</i> , 1988 , 53, 265-267	3.4	13
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