

Qi Jie Wang

List of Publications by Year in Descending Order

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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.

227
papers

6,614
citations

42
h-index

73
g-index

297
ext. papers

8,208
ext. citations

6.4
avg, IF

5.98
L-index

#	Paper	IF	Citations
227	High-Performance, Polarization-Sensitive, Long-Wave Infrared Photodetection Photothermoelectric Effect with Asymmetric van der Waals Contacts.. <i>ACS Nano</i> , 2022 ,	16.7	12
226	Amorphizing noble metal chalcogenide catalysts at the single-layer limit towards hydrogen production. <i>Nature Catalysis</i> , 2022 , 5, 212-221	36.5	14
225	Reply to: Detectivities of WS/HfS heterojunctions.. <i>Nature Nanotechnology</i> , 2022 ,	28.7	2
224	Bi2S3 Nanoplates for Ultrafast Photonics. <i>ACS Applied Nano Materials</i> , 2022 , 5, 3229-3236	5.6	2
223	Widely tunable single-mode slot waveguide quantum cascade laser array.. <i>Optics Express</i> , 2022 , 30, 629-640	5.4	2
222	Sensitive control of broad-area semiconductor lasers by cavity shape. <i>APL Photonics</i> , 2022 , 7, 056106	5.2	0
221	Heterostrain-enabled dynamically tunable moiré superlattice in twisted bilayer graphene. <i>Scientific Reports</i> , 2021 , 11, 21402	4.9	2
220	Multistate Tuning of Third Harmonic Generation in Fano-Resonant Hybrid Dielectric Metasurfaces (Adv. Funct. Mater. 48/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170356	15.6	
219	Photonic crystal MEMS emitter for chemical gas sensing 2021 ,		2
218	Flat-Top Pumped Multi-Millijoule Mid-Infrared Parametric Chirped-Pulse Amplifier at 10 kHz Repetition Rate. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000292	8.3	5
217	Polarization-robust mid-infrared carpet cloak with minimized lateral shift. <i>Photonics Research</i> , 2021 , 9, 944	6	0
216	Tailorable infrared emission of microelectromechanical system-based thermal emitters with NiO films for gas sensing. <i>Optics Express</i> , 2021 , 29, 19084-19093	3.3	3
215	W-type normal dispersion thulium-doped fiber-based high-energy all-fiber femtosecond laser at 1.7 μm. <i>Optics Letters</i> , 2021 , 46, 3637-3640	3	1
214	Recent Progress in Short- to Long-Wave Infrared Photodetection Using 2D Materials and Heterostructures. <i>Advanced Optical Materials</i> , 2021 , 9, 2001708	8.1	59
213	Germanium-on-Carborundum Surface Phonon-Polariton Infrared Metamaterial. <i>Advanced Optical Materials</i> , 2021 , 9, 2001652	8.1	2
212	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	7
211	Massively parallel ultrafast random bit generation with a chip-scale laser. <i>Science</i> , 2021 , 371, 948-952	33.3	18

210	Scattering by lossy anisotropic scatterers: A modal approach. <i>Journal of Applied Physics</i> , 2021 , 129, 113104	10.4	1
209	Pseudo-magnetic field-induced slow carrier dynamics in periodically strained graphene. <i>Nature Communications</i> , 2021 , 12, 5087	17.4	3
208	Long wavelength ($\approx 13 \mu\text{m}$) quantum cascade laser based on diagonal transition and three-phonon-resonance design. <i>Applied Physics Letters</i> , 2021 , 119, 131105	3.4	
207	Producing Microscale Ge Textures via Titanium Nitride- and Nickel-Assisted Chemical Etching with CMOS-Compatibility. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100937	4.6	2
206	Band Structure of Strained $\text{Ge}_{1-x}\text{Sn}_x$ Alloy: A Full-Zone 30-Band $\mathbf{k}\cdot\mathbf{p}$ Model. <i>IEEE Journal of Quantum Electronics</i> , 2020 , 56, 1-8	2	1
205	Near-field mapping of the edge mode of a topological valley slab waveguide at $\approx 1.55 \mu\text{m}$. <i>Applied Physics Letters</i> , 2020 , 116, 191105	3.4	6
204	High oscillator strength interlayer excitons in two-dimensional heterostructures for mid-infrared photodetection. <i>Nature Nanotechnology</i> , 2020 , 15, 675-682	28.7	56
203	Electrically pumped topological laser with valley edge modes. <i>Nature</i> , 2020 , 578, 246-250	50.4	151
202	Mid-Infrared Grayscale Metasurface Holograms. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 552	2.6	
201	Resonant nanostructures for highly confined and ultra-sensitive surface phonon-polaritons. <i>Nature Communications</i> , 2020 , 11, 1863	17.4	22
200	High-energy Pulse Generation at $1.76 \mu\text{m}$ from All-fiber Laser Configuration using Normal Dispersion Thulium-doped Fiber 2020 ,		1
199	All-fiber short-wavelength tunable mode-locked fiber laser using normal dispersion thulium-doped fiber. <i>Optics Express</i> , 2020 , 28, 17570-17580	3.3	11
198	20 W, 2 mJ, sub-ps, 258 nm all-solid-state deep-ultraviolet laser with up to 3 GW peak power. <i>Optics Express</i> , 2020 , 28, 18360-18367	3.3	6
197	Long-wavelength-infrared laser filamentation in solids in the near-single-cycle regime. <i>Optics Letters</i> , 2020 , 45, 2175-2178	3	8
196	A conformal transformation approach to wide-angle illusion device and absorber. <i>Nanophotonics</i> , 2020 , 9, 3243-3249	6.3	2
195	Directing Cherenkov photons with spatial nonlocality. <i>Nanophotonics</i> , 2020 , 9, 3435-3442	6.3	6
194	Compact pulsed thulium-doped fiber laser for topographical patterning of hydrogels. <i>Opto-Electronic Advances</i> , 2020 , 3, 190039-190039	6.5	4
193	Theoretical design of mid-infrared interband cascade lasers in SiGeSn system. <i>New Journal of Physics</i> , 2020 , 22, 083061	2.9	1

192	Far-field controllable excitation of phonon polariton via nanostructure engineering. <i>Optics Express</i> , 2020 , 28, 39156-39164	3.3	
191	Spatial structure of lasing modes in wave-chaotic semiconductor microcavities. <i>New Journal of Physics</i> , 2020 , 22, 083002	2.9	7
190	Strong Plasmon-Exciton Interactions on Nanoantenna Array/Monolayer WS ₂ Hybrid System. <i>Advanced Optical Materials</i> , 2020 , 8, 1901002	8.1	11
189	SnS ₂ Nanosheets for Er-Doped Fiber Lasers. <i>ACS Applied Nano Materials</i> , 2020 , 3, 674-681	5.6	29
188	Engineering grain boundaries at the 2D limit for the hydrogen evolution reaction. <i>Nature Communications</i> , 2020 , 11, 57	17.4	72
187	Coupling of Sub-Terawatt Laser Into Hollow Core Waveguide for High-Harmonic Generation Above 200 eV. <i>IEEE Photonics Technology Letters</i> , 2020 , 1-1	2.2	1
186	Photon-generated carrier transfer process from graphene to quantum dots: optical evidences and ultrafast photonics applications. <i>Npj 2D Materials and Applications</i> , 2020 , 4,	8.8	1
185	Emerging High-Performance SnS/CdS Nanoflower Heterojunction for Ultrafast Photonics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43098-43105	9.5	39
184	Photonic Engineering Technology for the Development of Terahertz Quantum Cascade Lasers. <i>Advanced Optical Materials</i> , 2020 , 8, 1900573	8.1	15
183	Tunability of the Free-Spectral Range by Microwave Injection into a Mid-Infrared Quantum Cascade Laser. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900389	8.3	4
182	Electrically pumped semiconductor laser with low spatial coherence and directional emission. <i>Applied Physics Letters</i> , 2019 , 115, 071101	3.4	11
181	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7425-7432	4.9	14
180	Band structure of Ge _{1-x} Sn _x alloy: a full-zone 30-band k · p model. <i>New Journal of Physics</i> , 2019 , 21, 073037	2.9	13
179	Radiation Enhancement by Graphene Oxide on Microelectromechanical System Emitters for Highly Selective Gas Sensing. <i>ACS Sensors</i> , 2019 , 4, 2746-2753	9.2	12
178	Microjoule Sub-Two-Cycle Mid-Infrared Intrapulse-DFG Driven by 3- μm OPCPA. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1741-1744	2.2	2
177	A generalized analytical model of gain bandwidth for design of optical parametric amplifiers. <i>Optics Communications</i> , 2019 , 449, 1-7	2	
176	Laser-mode bifurcations induced by PT-breaking exceptional points. <i>Physical Review A</i> , 2019 , 99,	2.6	4
175	High-energy single-cycle pulse generation in a parametric amplifier with the optimized angular dispersion. <i>Applied Physics B: Lasers and Optics</i> , 2019 , 125, 1	1.9	2

174	Self-gating in semiconductor electrocatalysis. <i>Nature Materials</i> , 2019 , 18, 1098-1104	27	84
173	All-Dielectric Active Terahertz Photonics Driven by Bound States in the Continuum. <i>Advanced Materials</i> , 2019 , 31, e1901921	24	106
172	All Inorganic Mixed Halide Perovskite Nanocrystal-Graphene Hybrid Photodetector: From Ultrahigh Gain to Photostability. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27064-27072	9.5	23
171	High Energy Ultrafast Laser at 2 μm Using Dispersion Engineered Thulium-Doped Fiber. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-12	1.8	2
170	High-energy mid-infrared intrapulse difference-frequency generation with 5.3% conversion efficiency driven at 3 μm . <i>Optics Express</i> , 2019 , 27, 37706-37713	3.3	9
169	Multimicrojoule GaSe-based midinfrared optical parametric amplifier with an ultrabroad idler spectrum covering 4.2-16 μm . <i>Optics Letters</i> , 2019 , 44, 1003-1006	3	18
168	9 μm few-cycle optical parametric chirped-pulse amplifier based on LiGaS. <i>Optics Letters</i> , 2019 , 44, 2422-2425	24	27
167	300 μm , 3 W, few-cycle, 3 μm OPCPA based on periodically poled stoichiometric lithium tantalate crystals. <i>Optics Letters</i> , 2019 , 44, 2791	3	8
166	Quantitative Analysis of Gas Phase IR Spectra Based on Extreme Learning Machine Regression Model. <i>Sensors</i> , 2019 , 19,	3.8	5
165	1975 nm Linearly-Polarized MOFA CPA System Based on CFBG Stretcher and 1+3-Pass CVBG Compressor Configuration 2019 ,		1
164	Multimode lasing in wave-chaotic semiconductor microlasers. <i>Physical Review A</i> , 2019 , 100,	2.6	4
163	Surface group-modified MXene nano-flake doping of monolayer tungsten disulfides. <i>Nanoscale Advances</i> , 2019 , 1, 4783-4789	5.1	7
162	Atomically thin noble metal dichalcogenide: a broadband mid-infrared semiconductor. <i>Nature Communications</i> , 2018 , 9, 1545	17.4	267
161	65-fs Pulses at 2 μm in a Compact Tm-Doped All-Fiber Laser by Dispersion and Nonlinearity Management. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 303-306	2.2	10
160	Ultra-confined surface phonon polaritons in molecular layers of van der Waals dielectrics. <i>Nature Communications</i> , 2018 , 9, 1762	17.4	41
159	Bright monolayer tungsten disulfide via exciton and trion chemical modulations. <i>Nanoscale</i> , 2018 , 10, 6294-6299	7.7	12
158	The Transition from Quantum Field Theory to One-Particle Quantum Mechanics and a Proposed Interpretation of Aharonov-Bohm Effect. <i>Foundations of Physics</i> , 2018 , 48, 837-852	1.2	3
157	Room-Temperature, Wide-Band, Quantum Well Infrared Photodetector for Microwave Optical Links at 4.9 μm Wavelength. <i>ACS Photonics</i> , 2018 , 5, 3689-3694	6.3	18

156	Terahertz emission from localized modes in one-dimensional disordered systems [Invited]. <i>Photonics Research</i> , 2018 , 6, 117	6	3
155	High-efficiency ultrafast Tm-doped fiber amplifier based on resonant pumping. <i>Optics Letters</i> , 2018 , 43, 1431-1434	3	4
154	Modelling of free-form conformal metasurfaces. <i>Nature Communications</i> , 2018 , 9, 3494	17.4	41
153	Suppressing spatiotemporal lasing instabilities with wave-chaotic microcavities. <i>Science</i> , 2018 , 361, 1225-1231	33.5	46
152	Probing electron-atom collision dynamics in gas plasma by high-order harmonic spectroscopy. <i>Optics Letters</i> , 2018 , 43, 1970-1973	3	6
151	Flexible single-mode delivery of a high-power 2 μ s pulsed laser using an antiresonant hollow-core fiber. <i>Optics Letters</i> , 2018 , 43, 2732-2735	3	11
150	Two-Dimensional Multimode Terahertz Random Lasing with Metal Pillars. <i>ACS Photonics</i> , 2018 , 5, 2928-2935	20.3	13
149	Superradiant phase transition with graphene embedded in one dimensional optical cavity. <i>Superlattices and Microstructures</i> , 2018 , 113, 401-408	2.8	1
148	Narrow bandgap oxide nanoparticles coupled with graphene for high performance mid-infrared photodetection. <i>Nature Communications</i> , 2018 , 9, 4299	17.4	98
147	Monolithic Semiconductor Lasers with Dynamically Tunable Linear-to-Circular Polarization. <i>ACS Photonics</i> , 2017 , 4, 517-524	6.3	17
146	Synthetic jet generation by high-frequency cavitation. <i>Journal of Fluid Mechanics</i> , 2017 , 823,	3.7	9
145	Hybrid Graphene/Gold Plasmonic Fiber-Optic Biosensor. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600185	18.5	41
144	Enhanced light-matter interaction in atomically thin MoS coupled with 1D photonic crystal nanocavity. <i>Optics Express</i> , 2017 , 25, 14691-14696	3.3	11
143	Visible Range Plasmonic Modes on Topological Insulator Nanostructures. <i>Advanced Optical Materials</i> , 2017 , 5, 1600768	8.1	44
142	Recent Developments of Terahertz Quantum Cascade Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 1-18	3.8	16
141	Metal-Semiconductor Phase-Transition in WSe Te Monolayer. <i>Advanced Materials</i> , 2017 , 29, 1603991	24	88
140	Coherent emission from integrated Talbot-cavity quantum cascade lasers. <i>Optics Express</i> , 2017 , 25, 30773-3082	3.9	17
139	High performance infrared photodetectors up to 28 μ m wavelength based on lead selenide colloidal quantum dots. <i>Optical Materials Express</i> , 2017 , 7, 2326	2.6	25

138	1867-2010 nm tunable femtosecond thulium-doped all-fiber laser. <i>Optics Express</i> , 2017 , 25, 8997-9002	3.3	29
137	Optimization of TM modes for amorphous slab lasers. <i>Optics Express</i> , 2016 , 24, 4890-4898	3.3	5
136	Widely tunable Tm-doped mode-locked all-fiber laser. <i>Scientific Reports</i> , 2016 , 6, 27245	4.9	43
135	Size-Induced Switching of Nanowire Growth Direction: a New Approach Toward Kinked Nanostructures. <i>Advanced Functional Materials</i> , 2016 , 26, 3687-3695	15.6	6
134	Gibbs-Thomson Effect in Planar Nanowires: Orientation and Doping Modulated Growth. <i>Nano Letters</i> , 2016 , 16, 4158-65	11.5	17
133	Mid-IR supercontinuum pumped by femtosecond pulses from thulium doped all-fiber amplifier. <i>Optics Express</i> , 2016 , 24, 13939-45	3.3	20
132	A high performance, visible to mid-infrared photodetector based on graphene nanoribbons passivated with HfO ₂ . <i>Nanoscale</i> , 2016 , 8, 327-32	7.7	60
131	Amorphous Random Lasing at Terahertz Frequency 2016 ,		1
130	Graphene Enhanced Surface Plasmon Resonance Fiber-Optic Biosensor 2016 ,		5
129	Wafer-Scale Dies-Transfer Bonding Technology for Hybrid III/V-on-Silicon Photonic Integrated Circuit Application. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 443-454	3.8	11
128	Designer Multimode Localized Random Lasing in Amorphous Lattices at Terahertz Frequencies. <i>ACS Photonics</i> , 2016 , 3, 2453-2460	6.3	22
127	Reverse surface-polariton cherenkov radiation. <i>Scientific Reports</i> , 2016 , 6, 30704	4.9	18
126	Single-wall carbon nanotubes and graphene oxide-based saturable absorbers for low phase noise mode-locked fiber lasers. <i>Scientific Reports</i> , 2016 , 6, 25266	4.9	62
125	Integrated terahertz optoelectronics 2016 ,		2
124	Fast Photoresponse from 1T Tin Diselenide Atomic Layers. <i>Advanced Functional Materials</i> , 2016 , 26, 137-145	14.5	125
123	Lateral black phosphorene PN junctions formed via chemical doping for high performance near-infrared photodetector. <i>Nano Energy</i> , 2016 , 25, 34-41	17.1	126
122	Room-temperature mid-infrared photodetector in all-carbon graphene nanoribbon-C ₆₀ hybrid nanostructure. <i>Optica</i> , 2016 , 3, 979	8.6	33
121	Coherent Pulse Progression of Mid-Infrared Quantum-Cascade Lasers Under Group-Velocity Dispersion and Self-Phase Modulation. <i>IEEE Journal of Quantum Electronics</i> , 2016 , 52, 1-6	2	4

120	Broadly tunable single-mode mid-infrared quantum cascade lasers. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 023001	1.7	19
119	Photocurrent generation in lateral graphene p-n junction created by electron-beam irradiation. <i>Scientific Reports</i> , 2015 , 5, 12014	4.9	58
118	Nano-imaging collagen by atomic force, near-field and nonlinear microscope 2015 ,		1
117	High-contrast grating reflectors for 980 nm vertical-cavity surface-emitting lasers 2015 ,		2
116	Tunable and switchable dual-wavelength Tm-doped mode-locked fiber laser by nonlinear polarization evolution. <i>Optics Express</i> , 2015 , 23, 4369-76	3.3	112
115	Plasmon excitation on flat graphene by s-polarized beams using four-wave mixing. <i>Optics Express</i> , 2015 , 23, 7809-19	3.3	11
114	Optimization of Hybrid Silicon Lasers for High-Speed Direct Modulation. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-13	1.8	3
113	All-fiber multiwavelength thulium-doped laser assisted by four-wave mixing in highly germania-doped fiber. <i>Optics Express</i> , 2015 , 23, 340-8	3.3	41
112	Towards low timing phase noise operation in fiber lasers mode locked by graphene oxide and carbon nanotubes at 1.5 μm . <i>Optics Express</i> , 2015 , 23, 501-11	3.3	23
111	Passively mode-locked III-V/silicon laser with continuous-wave optical injection. <i>Optics Express</i> , 2015 , 23, 6392-9	3.3	14
110	Hybrid III-V/silicon laser with laterally coupled Bragg grating. <i>Optics Express</i> , 2015 , 23, 8800-8	3.3	16
109	Monolithic high-index contrast grating: a material independent high-reflectance VCSEL mirror. <i>Optics Express</i> , 2015 , 23, 11674-86	3.3	33
108	Switchable multi-wavelength Tm-doped mode-locked fiber laser. <i>Optics Letters</i> , 2015 , 40, 1916-9	3	32
107	Ground-state lasing in high-power InAs/GaAs quantum dots-in-a-well laser using active multimode interference structure. <i>Optics Letters</i> , 2015 , 40, 69-72	3	3
106	Optimization of spectral distortion in a ytterbium-doped mode-locked fiber laser system. <i>Photonics Research</i> , 2015 , 3, 129	6	4
105	Integrated Terahertz Graphene Modulator with 100% Modulation Depth. <i>ACS Photonics</i> , 2015 , 2, 1559-1566	6.6	124
104	Surface roughness measurement by depolarization method. <i>Applied Optics</i> , 2015 , 54, 5686-90	0.2	2
103	High-resolution fiber profilometer for hard-to-access areas. <i>Applied Optics</i> , 2015 , 54, 7205-9	0.2	2

102	Surface magneto plasmons and their applications in the infrared frequencies. <i>Nanophotonics</i> , 2015 , 4, 383-396	6.3	37
101	High-power graphene mode-locked Tm/Ho co-doped fiber laser with evanescent field interaction. <i>Scientific Reports</i> , 2015 , 5, 16624	4.9	73
100	Broadly continuously tunable slot waveguide quantum cascade lasers based on a continuum-to-continuum active region design. <i>Applied Physics Letters</i> , 2015 , 107, 111110	3.4	5
99	High-Throughput Multiple Dies-to-Wafer Bonding Technology and III/V-on-Si Hybrid Lasers for Heterogeneous Integration of Optoelectronic Integrated Circuits. <i>Frontiers in Materials</i> , 2015 , 2,	4	14
98	The reduction of surface plasmon losses in quasi-suspended graphene. <i>Scientific Reports</i> , 2015 , 5, 9837	4.9	18
97	Tm/Ho co-doped mode-locked fiber laser based on graphene transferred on side-polished fiber 2015 ,		1
96	High-power thulium fiber laser Q switched with single-layer graphene. <i>Optics Letters</i> , 2014 , 39, 614-7	3	51
95	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014 , 20, 441-447	3.8	32
94	Optical Properties of GaAs/AlO _x and Si/SiO _x High Contrast Gratings Designed for 980-nm VCSELs. <i>IEEE Nanotechnology Magazine</i> , 2014 , 13, 418-424	2.6	3
93	Tunable graphene-based plasmonic waveguides: nano modulators and nano attenuators. <i>Laser and Photonics Reviews</i> , 2014 , 8, 569-574	8.3	49
92	Graphene-based tunable plasmonic Bragg reflector with a broad bandwidth. <i>Optics Letters</i> , 2014 , 39, 271-4	3	87
91	50-W 2-ns Nanosecond All-Fiber-Based Thulium-Doped Fiber Amplifier. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014 , 20, 537-543	3.8	8
90	Relative Intensity Noise of Silicon Hybrid Laser. <i>IEEE Journal of Quantum Electronics</i> , 2014 , 50, 466-473	2	2
89	A metal-dielectric-graphene sandwich for surface enhanced Raman spectroscopy. <i>Nanoscale</i> , 2014 , 6, 9925-9	7.7	24
88	Planar integrated metasurfaces for highly-collimated terahertz quantum cascade lasers. <i>Scientific Reports</i> , 2014 , 4, 7083	4.9	9
87	OPTICAL GAIN AND ENERGY BAND STRUCTURE OF PHOTONIC CRYSTAL VCSELs WITH HIGH-INDEX-CONTRAST SUBWAVELENGTH GRATINGS. <i>Journal of Molecular and Engineering Materials</i> , 2014 , 02, 1440014	1.3	
86	Nonlinear absorption of SWNT film and its effects to the operation state of pulsed fiber laser. <i>Optics Express</i> , 2014 , 22, 17227-35	3.3	63
85	Track-and-Tune Light Field Image Sensor. <i>IEEE Sensors Journal</i> , 2014 , 14, 4372-4384	4	4

84	Graphene-based tunable Bragg reflector with a broad bandwidth 2014 ,		1
83	Transverse mode control in high-contrast grating VCSELs. <i>Optics Express</i> , 2014 , 22, 20954-63	3-3	14
82	Magneto-plasmonics in graphene-dielectric sandwich. <i>Optics Express</i> , 2014 , 22, 21727-38	3-3	12
81	1.55 μm high speed low chirp electroabsorption modulated laser arrays based on SAG scheme. <i>Optics Express</i> , 2014 , 22, 31286-92	3-3	5
80	Three-region characteristic temperature in p-doped quantum dot lasers. <i>Applied Physics Letters</i> , 2014 , 104, 041102	3-4	8
79	Magnetopolariton in bilayer graphene: A tunable ultrastrong light-matter coupling. <i>Physical Review B</i> , 2014 , 89,	3-3	1
78	Tunable single-mode slot waveguide quantum cascade lasers. <i>Applied Physics Letters</i> , 2014 , 104, 201106	3,4	12
77	Temperature dependence of the electrical transport properties in few-layer graphene interconnects. <i>Nanoscale Research Letters</i> , 2013 , 8, 335	5	94
76	Electrically pumped mid-infrared random lasers. <i>Advanced Materials</i> , 2013 , 25, 6859-63	24	37
75	Amplified spontaneous emission and lasing from lanthanide-doped up-conversion nanocrystals. <i>ACS Nano</i> , 2013 , 7, 11420-6	16.7	90
74	Tunable Subwavelength Terahertz Plasmonic Stub Waveguide Filters. <i>IEEE Nanotechnology Magazine</i> , 2013 , 12, 1191-1197	2.6	32
73	A single-walled carbon nanotube wall paper as an absorber for simultaneously achieving passively mode-locked and Q-switched Yb-doped fiber lasers 2013 ,		7
72	Investigation of Tunable Single-Mode Quantum Cascade Lasers Via Surface-Acoustic-Wave Modulation. <i>IEEE Journal of Quantum Electronics</i> , 2013 , 49, 1053-1061	2	2
71	The Influence of Imperfections and Absorption on the Performance of a GaAs/AlO _x High-Contrast Grating for Monolithic Integration With 980 nm GaAs-Based VCSELs. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3853-3858	4	9
70	Broadband high photoresponse from pure monolayer graphene photodetector. <i>Nature Communications</i> , 2013 , 4, 1811	17.4	556
69	All-normal-dispersion passively mode-locked Yb-doped fiber ring laser based on a graphene oxide saturable absorber. <i>Laser Physics Letters</i> , 2013 , 10, 075108	1.5	39
68	High-power passively Q-switched thulium fiber laser with distributed stimulated Brillouin scattering. <i>Optics Letters</i> , 2013 , 38, 5474-7	3	21
67	Importance of the microscopic effects on the linewidth enhancement factor of quantum cascade lasers. <i>Optics Express</i> , 2013 , 21, 27804-15	3-3	12

66	Low divergence single-mode surface-emitting concentric-circular-grating terahertz quantum cascade lasers. <i>Optics Express</i> , 2013 , 21, 31872-82	3.3	14
65	Directional single-mode emission from coupled whispering gallery resonators realized by using ZnS microbelts. <i>Optics Letters</i> , 2013 , 38, 1527-9	3	6
64	Converting surface plasmon to spatial Airy beam by graded grating on metal surface. <i>Optics Letters</i> , 2013 , 38, 1733-5	3	24
63	Single-mode surface-emitting concentric-circular-grating terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , 2013 , 102, 031119	3.4	22
62	Fiber profilometer for measurement of hard-to-access areas 2013 ,		1
61	Beam engineering of quantum cascade lasers. <i>Laser and Photonics Reviews</i> , 2012 , 6, 24-46	8.3	43
60	Limiting Factors to the Temperature Performance of THz Quantum Cascade Lasers Based on the Resonant-Phonon Depopulation Scheme. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2012 , 2, 83-92	3.4	53
59	Effects of resonant tunneling and dynamics of coherent interaction on intrinsic linewidth of quantum cascade lasers. <i>Optics Express</i> , 2012 , 20, 17145	3.3	4
58	Investigation of Multilayer Subwavelength Metallic-Dielectric Stratified Structures. <i>IEEE Journal of Quantum Electronics</i> , 2012 , 48, 1554-1559	2	30
57	Analysis of dielectric loaded surface plasmon waveguide structures: Transfer matrix method for plasmonic devices. <i>Journal of Applied Physics</i> , 2012 , 111, 073108	2.5	11
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