

Shuangchun Wen

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.

274
papers

9,878
citations

51
h-index

91
g-index

293
ext. papers

11,548
ext. citations

3.6
avg, IF

6.34
L-index

#	Paper	IF	Citations
274	Examining the optical model of graphene via the photonic spin Hall effect.. <i>Optics Letters</i> , 2022 , 47, 846-849	3.49	1
273	Low-voltage-driven liquid crystal scattering-controllable device based on defects from rapidly varying boundary.. <i>Optics Letters</i> , 2022 , 47, 957-960	3	1
272	Multiple-weak-value quantum measurement for precision estimation of time delay. <i>Physical Review A</i> , 2022 , 105,	2.6	2
271	Photonic spin Hall effect in twisted few-layer anisotropic two-dimensional atomic crystals. <i>Physical Review A</i> , 2022 , 105,	2.6	3
270	High-order nonreciprocal add-drop filter. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	2
269	Antimony Thin Film as a Robust Broadband Saturable Absorber. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021 , 27, 1-7	3.8	6
268	Realization of ultra-small stress birefringence detection with weak-value amplification technique. <i>Applied Physics Letters</i> , 2021 , 118, 161104	3.4	4
267	Dynamically reconfigurable topological states in photonic crystals with liquid crystals. <i>Optics Letters</i> , 2021 , 46, 2589-2592	3	4
266	Polarization evolution on the higher-order Poincaré sphere via photonic Dirac points. <i>Physical Review A</i> , 2021 , 104,	2.6	2
265	Recent Advances in Photoalignment Liquid Crystal Polarization Gratings and Their Applications. <i>Crystals</i> , 2021 , 11, 900	2.3	6
264	Phase smoothing and polarisation-phase synchronous smoothing based on liquid crystal Pancharatnam-Berry phase devices. <i>Liquid Crystals</i> , 2021 , 48, 150-156	2.3	
263	Two-dimensional optical spatial differentiation and high-contrast imaging. <i>National Science Review</i> , 2021 , 8, nwa176	10.8	20
262	Symmetric Airy vortex and symmetric Airy vector beams. <i>Liquid Crystals</i> , 2021 , 48, 484-490	2.3	1
261	Nonspecular effects in the vicinity of a photonic Dirac point. <i>Physical Review A</i> , 2021 , 103,	2.6	2
260	Measurement of the optical constants of monolayer MoS ₂ via the photonic spin Hall effect. <i>Applied Physics Letters</i> , 2021 , 118, 111104	3.4	10
259	Nonlinear Optical Response in Natural van der Waals Heterostructures. <i>Advanced Optical Materials</i> , 2020 , 8, 2000382	8.1	11
258	Goos-Hänchen effect enabled optical differential operation and image edge detection. <i>Applied Physics Letters</i> , 2020 , 116, 211103	3.4	29

257	Near-Zero-Sidelobe Optical Subwavelength Asymmetric Focusing Lens with Dual-Layer Metasurfaces. <i>Annalen Der Physik</i> , 2020 , 532, 2000035	2.6	4
256	Wavelength-independent optical fully differential operation based on the spin-orbit interaction of light. <i>APL Photonics</i> , 2020 , 5, 036105	5.2	26
255	Broadband spatial self-phase modulation and ultrafast response of MXene Ti ₃ C ₂ T _x (T=O, OH or F). <i>Nanophotonics</i> , 2020 , 9, 2415-2424	6.3	14
254	The correlation between phase transition and photoluminescence properties of CsPbX (X= Cl, Br, I) perovskite nanocrystals. <i>Nanoscale Advances</i> , 2020 , 2, 4390-4394	5.1	8
253	Ultrasensitive and real-time detection of chemical reaction rate based on the photonic spin Hall effect. <i>APL Photonics</i> , 2020 , 5, 016105	5.2	43
252	Three-dimensional spin Hall effect of light in tight focusing. <i>Physical Review A</i> , 2020 , 101,	2.6	7
251	Giant photonic spin Hall effect near the Dirac points. <i>Physical Review A</i> , 2020 , 101,	2.6	11
250	Sub-hundred nanosecond pulse generation from a black phosphorus Q-switched Er-doped fiber laser. <i>Optics Express</i> , 2020 , 28, 4708-4716	3.3	10
249	Quasi-triply-degenerate states and zero refractive index in two-dimensional all-dielectric photonic crystals. <i>Optics Express</i> , 2020 , 28, 5548-5554	3.3	3
248	Plasmonically induced transparency in in-plane isotropic and anisotropic 2D materials. <i>Optics Express</i> , 2020 , 28, 7980-8002	3.3	51
247	Spatial differential operation and edge detection based on the geometric spin Hall effect of light. <i>Optics Letters</i> , 2020 , 45, 877-880	3	46
246	Liquid crystal bifocal lens with adjustable intensities through polarization controls. <i>Optics Letters</i> , 2020 , 45, 5716-5719	3	10
245	Optical analog computing of two-dimensional spatial differentiation based on the Brewster effect. <i>Optics Letters</i> , 2020 , 45, 6867-6870	3	15
244	Weak-value amplification for the optical signature of topological phase transitions. <i>Photonics Research</i> , 2020 , 8, B47	6	8
243	Passive photonic diodes based on natural van der Waals heterostructures. <i>Nanophotonics</i> , 2020 , 10, 927-935	3.3	3
242	Stretchable and foldable waveplate based on liquid crystal polymer. <i>Applied Physics Letters</i> , 2020 , 117, 263301	3.4	3
241	Ti ₂ CT _x MXene-based all-optical modulator. <i>Information Materials</i> , 2020 , 2, 601-609	23.1	28
240	Two Switchable Plasmonically Induced Transparency Effects in a System with Distinct Graphene Resonators. <i>Nanoscale Research Letters</i> , 2020 , 15, 142	5	17

239	Metasurface enabled quantum edge detection. <i>Science Advances</i> , 2020 , 6,	14.3	32
238	Generalization of Pancharatnam-Berry phase interference theory for fabricating phase-integrated liquid crystal optical elements. <i>Liquid Crystals</i> , 2020 , 47, 369-376	2.3	5
237	Generation of pure Laguerre-Gaussian vector beams on the higher-order Poincaré sphere by hollow Gaussian beams through dielectric metasurfaces. <i>Optics Communications</i> , 2019 , 439, 27-33	2	8
236	Photonic Hall effect and helical in a synthetic Weyl system. <i>Light: Science and Applications</i> , 2019 , 8, 49	16.7	12
235	Optical edge detection based on high-efficiency dielectric metasurface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11137-11140	11.5	140
234	Generalized Spatial Differentiation from the Spin Hall Effect of Light and Its Application in Image Processing of Edge Detection. <i>Physical Review Applied</i> , 2019 , 11,	4.3	102
233	A spin controlled wavefront shaping metasurface with low dispersion in visible frequencies. <i>Nanoscale</i> , 2019 , 11, 17111-17119	7.7	8
232	Broadband Nonlinear Optical Response of Single-Crystalline Bismuth Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35863-35870	9.5	11
231	~3.5 μm Er ³⁺ : ZBLAN Fiber Laser in Dual-End Pumping Regime. <i>IEEE Access</i> , 2019 , 7, 147238-147243	3.5	2
230	Comprehensive study on the concept of spectral-domain reflection and refraction. <i>Applied Physics Express</i> , 2019 , 12, 102013	2.4	
229	Bulk-structured PtSe for femtosecond fiber laser mode-locking. <i>Optics Express</i> , 2019 , 27, 2604-2611	3.3	25
228	Generation of arbitrary vector vortex beams on hybrid-order Poincaré sphere based on liquid crystal device. <i>Optics Express</i> , 2019 , 27, 8596-8604	3.3	15
227	Bragg reflective polychromatic vector beam generation from opposite-handed cholesteric liquid crystals. <i>Optics Letters</i> , 2019 , 44, 2720	3	5
226	Highly stable femtosecond pulse generation from a MXene Ti ₃ C ₂ T _x (T = F, O, or OH) mode-locked fiber laser. <i>Photonics Research</i> , 2019 , 7, 260	6	70
225	Broadband mid-infrared nonlinear optical modulator enabled by gold nanorods: towards the mid-infrared regime. <i>Photonics Research</i> , 2019 , 7, 699	6	12
224	Ultrasensitive detection of ion concentration based on photonic spin Hall effect. <i>Applied Physics Letters</i> , 2019 , 115, 251102	3.4	23
223	Liquid crystal Pancharatnam-Berry phase lens with spatially separated focuses. <i>Liquid Crystals</i> , 2019 , 46, 995-1000	2.3	16
222	Erbium-Doped Fiber Laser Mode-Locked by Halide Perovskite via Evanescent Field Interaction. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 577-580	2.2	13

221	Bismuth Telluride nanocrystal: broadband nonlinear response and its application in ultrafast photonics. <i>Scientific Reports</i> , 2018 , 8, 2355	4.9	12
220	Role of third-order dispersion in chirped Airy pulse propagation in single-mode fibers. <i>Optics Communications</i> , 2018 , 413, 24-29	2	4
219	Multiphoton Absorption and Two-Photon-Pumped Random Lasing in Crystallites of a Coordination Polymer. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 777-781	3.8	15
218	Dual-Wavelength Nanosecond Nd:YVO ₄ Laser With Switchable Inhomogeneous Polarization Output. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-5	3.8	0
217	Dual-Band Infrared Near-Perfect Absorption by Fabry-Perot Resonances and Surface Phonons. <i>Plasmonics</i> , 2018 , 13, 803-809	2.4	9
216	Photonic spin Hall effect on the surface of anisotropic two-dimensional atomic crystals. <i>Photonics Research</i> , 2018 , 6, 511	6	56
215	Electrically driven generation of arbitrary vector vortex beams on the hybrid-order Poincaré sphere. <i>Optics Letters</i> , 2018 , 43, 3570-3573	3	29
214	Few-layer rhenium diselenide: an ambient-stable nonlinear optical modulator. <i>Optical Materials Express</i> , 2018 , 8, 926	2.6	32
213	Realization of photonic spin Hall effect by breaking the rotation symmetry of optical field in light-matter interaction. <i>Optics Communications</i> , 2018 , 427, 238-243	2	
212	Substrate-induced magnetism and topological phase transition in silicene. <i>Nanoscale</i> , 2018 , 10, 14667-14677	4.7	9
211	Transflective spin-orbital angular momentum conversion device by three-dimensional multilayer liquid crystalline materials. <i>Optics Express</i> , 2018 , 26, 29244-29252	3.3	6
210	Gold nanostars as a Q-switcher for the mid-infrared erbium-doped fluoride fiber laser. <i>Optics Letters</i> , 2018 , 43, 5459-5462	3	17
209	Broadband Photonic Spin Hall Meta-Lens. <i>ACS Nano</i> , 2018 , 12, 82-88	16.7	60
208	Stable Dissipative Soliton Generation From Yb-Doped Fiber Laser Modulated via Evanescent Field Interaction With Gold Nanorods. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-8	1.8	4
207	Weak-value amplification for Weyl-point separation in momentum space. <i>New Journal of Physics</i> , 2018 , 20, 103050	2.9	14
206	Transitional Goos-Hänchen effect due to the topological phase transitions. <i>Optics Express</i> , 2018 , 26, 23705-23713	5.3	13
205	Graphene Q-Switched Vectorial Fiber Laser With Switchable Polarized Output. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 26-32	3.8	14
204	Electrically optical phase controlling for millimeter wave orbital angular momentum multi-modulation communication. <i>Optics Communications</i> , 2017 , 393, 49-55	2	9

203	Nonlinear optical properties of a one-dimensional coordination polymer. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2936-2941	7.1	34
202	Ultrafast pulse generation from erbium-doped fiber laser modulated by hybrid organic/inorganic halide perovskites. <i>Applied Physics Letters</i> , 2017 , 110, 161111	3.4	23
201	Dielectric metasurfaces for quantum weak measurements. <i>Applied Physics Letters</i> , 2017 , 110, 161115	3.4	7
200	Ultrafast nonlinear optical response in solution dispersions of black phosphorus. <i>Scientific Reports</i> , 2017 , 7, 3352	4.9	19
199	Bifocal Optical-Vortex Lens with Sorting of the Generated Nonseparable Spin-Orbital Angular-Momentum States. <i>Physical Review Applied</i> , 2017 , 7,	4.3	33
198	Highly Efficient Vectorial Fiber Laser With Switchable Output. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1852-1855	2.2	1
197	Resonantly pumped Er:YAG laser Q-switched by topological insulator nanosheets at 1617 nm. <i>Optical Materials</i> , 2017 , 71, 74-77	3.3	9
196	Photonic spin Hall effect in metasurfaces: a brief review. <i>Nanophotonics</i> , 2017 , 6, 51-70	6.3	80
195	Tunable Gold Nanorods Q-Switcher for Pulsed Er-Doped Fiber Laser. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-9	1.8	10
194	Precise identification of graphene layers at the air-prism interface via a pseudo-Brewster angle. <i>Optics Letters</i> , 2017 , 42, 4135-4138	3	24
193	Wavelength-locked vectorial fiber laser manipulated by Pancharatnam-Berry phase. <i>Optics Express</i> , 2017 , 25, 30-38	3.3	23
192	Geometric phase Doppler effect: when structured light meets rotating structured materials. <i>Optics Express</i> , 2017 , 25, 11564-11573	3.3	11
191	Passively Q-switched vectorial fiber laser modulated by hybrid organic/inorganic perovskites. <i>Optical Materials Express</i> , 2017 , 7, 1220	2.6	11
190	Third-order nonlinear optical response of CH ₃ NH ₃ PbI ₃ perovskite in the mid-infrared regime. <i>Optical Materials Express</i> , 2017 , 7, 3894	2.6	44
189	Observation of tiny polarization rotation rate in total internal reflection via weak measurements. <i>Photonics Research</i> , 2017 , 5, 92	6	19
188	Measurements of Pancharatnam-Berry phase in mode transformations on hybrid-order Poincaré sphere. <i>Optics Letters</i> , 2017 , 42, 3447-3450	3	15
187	Generation of arbitrary vector vortex beams on hybrid-order Poincaré sphere. <i>Photonics Research</i> , 2017 , 5, 15	6	124
186	Ferroelectric Liquid Crystal Damann Grating by Patterned Photoalignment. <i>Crystals</i> , 2017 , 7, 79	2.3	15

185	In-situ second harmonic generation by cancer cell targeting ZnO nanocrystals to effect photodynamic action in subcellular space. <i>Biomaterials</i> , 2016 , 104, 78-86	15.6	21
184	Molecular nonlinear optics: recent advances and applications. <i>Advances in Optics and Photonics</i> , 2016 , 8, 328	16.7	69
183	Turnable perfect absorption at infrared frequencies by a Graphene-hBN Hyper Crystal. <i>Optics Express</i> , 2016 , 24, 17103-14	3.3	65
182	Trapping and controlling the dispersive wave within a solitonic well. <i>Optics Express</i> , 2016 , 24, 10302-12	3.3	13
181	Mid-infrared mode-locked pulse generation with multilayer black phosphorus as saturable absorber. <i>Optics Letters</i> , 2016 , 41, 56-9	3	142
180	Plasmon-induced transparency in the plasmonic nanostructures composed of C-shaped metal and ellipsoid strip. <i>Optical Materials</i> , 2016 , 52, 14-20	3.3	2
179	Ultrafast nonlinear absorption and nonlinear refraction in few-layer oxidized black phosphorus. <i>Photonics Research</i> , 2016 , 4, 286	6	52
178	Low-threshold optical bistability with multilayer graphene-covering Otto configuration. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 255306	3	19
177	Resonance Raman Probes for Organelle-Specific Labeling in Live Cells. <i>Scientific Reports</i> , 2016 , 6, 28483	4.9	25
176	Compact photonic spin filters. <i>Applied Physics Letters</i> , 2016 , 109, 181104	3.4	5
175	Optical integration of Pancharatnam-Berry phase lens and dynamical phase lens. <i>Applied Physics Letters</i> , 2016 , 108, 101102	3.4	30
174	Critical coupling using the hexagonal boron nitride crystals in the mid-infrared range. <i>Journal of Applied Physics</i> , 2016 , 119, 203107	2.5	25
173	Nonlinear optical responses of erbium-doped YAG ceramics. <i>Optical Materials</i> , 2016 , 57, 231-235	3.3	1
172	Efficient Third Harmonic Generation in a MetalOrganic Framework. <i>Chemistry of Materials</i> , 2016 , 28, 3385-3390	9.6	44
171	2.8- μm Pulsed Er ³⁺ : ZBLAN Fiber Laser Modulated by Topological Insulator. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1573-1576	2.2	55
170	Broadband third order nonlinear optical responses of bismuth telluride nanosheets. <i>Optical Materials Express</i> , 2016 , 6, 2244	2.6	40
169	Propagation Characteristics of Anisotropic a-Axis Hollow Lithium Niobate Nanowire. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4028-4035	4	
168	A Broadband Optical Modulator Based on a Graphene Hybrid Plasmonic Waveguide. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4948-4953	4	47

167	Giant photonic spin Hall effect in momentum space in a structured metamaterial with spatially varying birefringence. <i>Light: Science and Applications</i> , 2015 , 4, e290-e290	16.7	171
166	Transmission of light through double gold nanobars embedded in split ring pair array. <i>Optics Communications</i> , 2015 , 355, 156-160	2	2
165	Lasing in nanocomposite random media. <i>Nano Today</i> , 2015 , 10, 168-192	17.9	176
164	Drop-Casted Self-Assembled Topological Insulator Membrane as an Effective Saturable Absorber for Ultrafast Laser Photonics. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-11	1.8	7
163	Generation of Airy vortex and Airy vector beams based on the modulation of dynamic and geometric phases. <i>Optics Letters</i> , 2015 , 40, 3193-6	3	71
162	Generation and evolution of mode-locked noise-like square-wave pulses in a large-anomalous-dispersion Er-doped ring fiber laser. <i>Optics Express</i> , 2015 , 23, 6418-27	3.3	109
161	Manipulating the spin-dependent splitting by geometric Doppler effect. <i>Optics Express</i> , 2015 , 23, 16682-93	3.3	10
160	Broadband ultrafast nonlinear optical response of few-layers graphene: toward the mid-infrared regime. <i>Photonics Research</i> , 2015 , 3, 214	6	74
159	Black phosphorus as saturable absorber for the Q-switched Er:ZBLAN fiber laser at 2.8 μ m. <i>Optics Express</i> , 2015 , 23, 24713-8	3.3	222
158	Stable and wavelength-locked Q-switched narrow-linewidth Er:YAG laser at 1645 nm. <i>Optics Express</i> , 2015 , 23, 11037-42	3.3	17
157	Mechanically exfoliated black phosphorus as a new saturable absorber for both Q-switching and Mode-locking laser operation. <i>Optics Express</i> , 2015 , 23, 12823-33	3.3	734
156	Physical mechanisms for tuning the nonlinear effects in photonic crystals. <i>Optics Express</i> , 2015 , 23, 19885-90	3.3	7
155	Highly efficient tunable mid-infrared optical parametric oscillator pumped by a wavelength locked, Q-switched Er:YAG laser. <i>Optics Express</i> , 2015 , 23, 20812-9	3.3	19
154	Duration Switchable High-Energy Passively Mode-Locked Raman Fiber Laser Based on Nonlinear Polarization Evolution. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-7	1.8	2
153	Effects of dielectric environment on the optical properties of compound 1S-shaped grating. <i>Optik</i> , 2015 , 126, 2752-2756	2.5	
152	Photonic spin filter with dielectric metasurfaces. <i>Optics Express</i> , 2015 , 23, 33079-86	3.3	8
151	Tailoring the dispersion behavior of optical nanowires with intercore-cladding lithium niobate thin film. <i>Optics Express</i> , 2015 , 23, 27085-93	3.3	2
150	Broadband and enhanced nonlinear optical response of MoS ₂ /graphene nanocomposites for ultrafast photonics applications. <i>Scientific Reports</i> , 2015 , 5, 16372	4.9	147

149	Switchable self-defocusing and focusing in nearly isotropic photonic crystals via enhanced inverse diffraction. <i>Physical Review A</i> , 2015 , 91,	2.6	5
148	Solution-processed yellow-white light-emitting diodes based on mixed-solvent dispersed luminescent ZnO nanocrystals. <i>Applied Physics Letters</i> , 2015 , 106, 263506	3.4	6
147	Broadband ultrafast spatial self-phase modulation for topological insulator Bi ₂ Te ₃ dispersions. <i>Applied Physics Letters</i> , 2015 , 107, 151101	3.4	64
146	Enhancing the saturable absorption and carrier dynamics of graphene with plasmonic nanowires. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2159-2166	1.3	14
145	Few-Layer Topological Insulator for All-Optical Signal Processing Using the Nonlinear Kerr Effect. <i>Advanced Optical Materials</i> , 2015 , 3, 1769-1778	8.1	76
144	Watt-level passively mode-locked Er(3+)-doped ZBLAN fiber laser at 2.8 μm. <i>Optics Letters</i> , 2015 , 40, 4855-8	3	52
143	All-Optical Signal Processing: Few-Layer Topological Insulator for All-Optical Signal Processing Using the Nonlinear Kerr Effect (Advanced Optical Materials 12/2015). <i>Advanced Optical Materials</i> , 2015 , 3, 1768-1768	8.1	3
142	Enhanced and Tunable Goos-Hänchen Shift in a Cavity Containing Colloidal Ferrofluids. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-10	1.8	10
141	Higher-order laser mode converters with dielectric metasurfaces. <i>Optics Letters</i> , 2015 , 40, 5506-9	3	31
140	Modulation instability in second harmonic generation in metamaterials with quadratic nonlinearity. <i>Applied Physics B: Lasers and Optics</i> , 2015 , 121, 465-472	1.9	6
139	Formation and Energy Exchange of Vector Dark Solitons in Fiber Lasers. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-9	1.8	3
138	Giant local circular dichroism within an asymmetric plasmonic nanoparticle trimer. <i>Scientific Reports</i> , 2015 , 5, 8207	4.9	29
137	Photonic spin Hall effect in dielectric metasurfaces with rotational symmetry breaking. <i>Optics Letters</i> , 2015 , 40, 756-9	3	49
136	Observation of photonic spin Hall effect with phase singularity at dielectric metasurfaces. <i>Optics Express</i> , 2015 , 23, 1767-74	3.3	29
135	Superluminal Pulse Reflection From Graphene Covered Lossless Dielectric Slab. <i>IEEE Journal of Quantum Electronics</i> , 2015 , 51, 1-6	2	3
134	Ytterbium-doped fiber laser passively mode locked by few-layer Molybdenum Disulfide (MoS ₂) saturable absorber functioned with evanescent field interaction. <i>Scientific Reports</i> , 2014 , 4, 6346	4.9	323
133	Critical coupling with graphene-based hyperbolic metamaterials. <i>Scientific Reports</i> , 2014 , 4, 5483	4.9	129
132	Realization of tunable photonic spin Hall effect by tailoring the Pancharatnam-Berry phase. <i>Scientific Reports</i> , 2014 , 4, 5557	4.9	31

131	Engineered surface Bloch waves in graphene-based hyperbolic metamaterials. <i>Optics Express</i> , 2014 , 22, 3054-62	3.3	66
130	Tunable optical bistability at the graphene-covered nonlinear interface. <i>Applied Physics Letters</i> , 2014 , 104, 051108	3.4	61
129	Soliton manipulation using Airy pulses. <i>Optics Communications</i> , 2014 , 316, 127-131	2	24
128	Stable Q-Switched Erbium-Doped Fiber Laser Based on Topological Insulator Covered Microfiber. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 987-990	2.2	38
127	Nanosecond Q-Switched Erbium-Doped Fiber Laser With Wide Pulse-Repetition-Rate Range Based on Topological Insulator. <i>IEEE Journal of Quantum Electronics</i> , 2014 , 50, 393-396	2	29
126	Field electron emission of layered Bi ₂ Te ₃ nanosheets with atom-thick sharp edges. <i>Nanoscale</i> , 2014 , 6, 8306-10	7.7	26
125	Large Energy, Wavelength Widely Tunable, Topological Insulator Q-Switched Erbium-Doped Fiber Laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014 , 20, 315-322	3.8	171
124	Generation of cylindrical vector vortex beams by two cascaded metasurfaces. <i>Optics Express</i> , 2014 , 22, 17207-15	3.3	141
123	Topological Insulator Simultaneously Q-Switched Dual-Wavelength Nd:Lu ₂ O ₃ Laser. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-7	1.8	24
122	Controlling self-focusing of ultrashort pulses with anomalous self-steepening in nonlinear negative-index materials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 45	1.7	10
121	Realization of polarization evolution on higher-order Poincaré sphere with metasurface. <i>Applied Physics Letters</i> , 2014 , 104, 191110	3.4	92
120	Generation of arbitrary cylindrical vector beams on the higher order Poincaré sphere. <i>Optics Letters</i> , 2014 , 39, 5274-6	3	113
119	Temperature-insensitive frequency tripling for generating high-average power UV lasers. <i>Optics Express</i> , 2014 , 22, 4267-76	3.3	13
118	Realization of tunable spin-dependent splitting in intrinsic photonic spin Hall effect. <i>Applied Physics Letters</i> , 2014 , 105, 151101	3.4	34
117	Stable Single-Longitudinal-Mode Fiber Ring Laser Using Topological Insulator-Based Saturable Absorber. <i>Journal of Lightwave Technology</i> , 2014 , 32, 4438-4444	4	15
116	Broadband optical and microwave nonlinear response in topological insulator. <i>Optical Materials Express</i> , 2014 , 4, 587	2.6	170
115	Evolution of airy pulses in the presence of third order dispersion. <i>Optik</i> , 2013 , 124, 5833-5836	2.5	12
114	SPATIAL XPM-PAIRED SOLITONS IN NONLINEAR METAMATERIALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2013 , 22, 1350009	0.8	

113	Improved transfer quality of CVD-grown graphene by ultrasonic processing of target substrates: applications for ultra-fast laser photonics. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10288-93	9.5	51
112	Multilayer graphene for Q-switched mode-locking operation in an erbium-doped fiber laser. <i>Optics Communications</i> , 2013 , 300, 17-21	2	17
111	Self-Assembled Topological Insulator: Bi ₂ Se ₃ Membrane as a Passive Q-Switcher in an Erbium-Doped Fiber Laser. <i>Journal of Lightwave Technology</i> , 2013 , 31, 2857-2863	4	132
110	Modulation instability of light beam propagation near the supercollimation frequency in nonlinear photonic crystals. <i>Journal of Modern Optics</i> , 2013 , 60, 220-226	1.1	
109	Fresnel diffraction and small-scale self-focusing of a phase modulated and spectrally dispersed laser beam. <i>Optics and Laser Technology</i> , 2013 , 45, 56-61	4.2	3
108	Wavelength-tunable picosecond soliton fiber laser with Topological Insulator: Bi ₂ Se ₃ as a mode locker: erratum. <i>Optics Express</i> , 2013 , 21, 444	3.3	5
107	Electrically Tunable Goos-Hänchen Shift of Light Beam Reflected From a Graphene-on-Dielectric Surface. <i>IEEE Photonics Journal</i> , 2013 , 5, 6500108-6500108	1.8	44
106	Third order nonlinear optical property of Bi ₂ Se ₃ . <i>Optics Express</i> , 2013 , 21, 2072-82	3.3	231
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