

Shuangchun Wen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5957989/shuangchun-wen-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
273	Ultra-short pulse generation by a topological insulator based saturable absorber. <i>Applied Physics Letters</i> , 2012 , 101, 211106	3.4	469
272	Wavelength-tunable picosecond soliton fiber laser with Topological Insulator: Bi ₂ Se ₃ as a mode locker. <i>Optics Express</i> , 2012 , 20, 27888-95	3.3	355
271	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
270	Third order nonlinear optical property of Bi ₂ Se ₃ . <i>Optics Express</i> , 2013 , 21, 2072-82	3.3	231
269	Identifying graphene layers via spin Hall effect of light. <i>Applied Physics Letters</i> , 2012 , 101, 251602	3.4	223
268	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
267	Microwave and optical saturable absorption in graphene. <i>Optics Express</i> , 2012 , 20, 23201-14	3.3	196
266	Topological insulator as an optical modulator for pulsed solid-state lasers. <i>Laser and Photonics Reviews</i> , 2013 , 7, L77-L83	8.3	185
265	Lasing in nanocomposite random media. <i>Nano Today</i> , 2015 , 10, 168-192	17.9	176
264	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
263	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
262	Broadband optical and microwave nonlinear response in topological insulator. <i>Optical Materials Express</i> , 2014 , 4, 587	2.6	170
261	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
260	Mid-infrared mode-locked pulse generation with multilayer black phosphorus as saturable absorber. <i>Optics Letters</i> , 2016 , 41, 56-9	3	142
259	Generation of cylindrical vector vortex beams by two cascaded metasurfaces. <i>Optics Express</i> , 2014 , 22, 17207-15	3.3	141
258	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

257	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
256	Critical coupling with graphene-based hyperbolic metamaterials. <i>Scientific Reports</i> , 2014 , 4, 5483	4.9	129
255	Modulation instability in nonlinear negative-index material. <i>Physical Review E</i> , 2006 , 73, 036617	2.4	127
254	Generation of arbitrary vector vortex beams on hybrid-order Poincaré sphere. <i>Photonics Research</i> , 2017 , 5, 15	6	124
253	A wide bandgap plasmonic Bragg reflector. <i>Optics Express</i> , 2008 , 16, 4888-94	3.3	123
252	Topological Insulator: Bi ₂ Te ₃ Saturable Absorber for the Passive Q-Switching Operation of an in-Band Pumped 1645-nm Er:YAG Ceramic Laser. <i>IEEE Photonics Journal</i> , 2013 , 5, 1500707-1500718	1.8	118
251	Generation of arbitrary cylindrical vector beams on the higher order Poincaré sphere. <i>Optics Letters</i> , 2014 , 39, 5274-6	3	113
250	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
249	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
248	Realization of polarization evolution on higher-order Poincaré sphere with metasurface. <i>Applied Physics Letters</i> , 2014 , 104, 191110	3.4	92
247	Theoretical models for ultrashort electromagnetic pulse propagation in nonlinear metamaterials. <i>Physical Review A</i> , 2007 , 75,	2.6	91
246	Photonic spin Hall effect in metasurfaces: a brief review. <i>Nanophotonics</i> , 2017 , 6, 51-70	6.3	80
245	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
244	Broadband ultrafast nonlinear optical response of few-layers graphene: toward the mid-infrared regime. <i>Photonics Research</i> , 2015 , 3, 214	6	74
243	Spin Hall effect of a light beam in left-handed materials. <i>Physical Review A</i> , 2009 , 80,	2.6	72
242	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
241	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
240	Molecular nonlinear optics: recent advances and applications. <i>Advances in Optics and Photonics</i> , 2016 , 8, 328	16.7	69

- 239 Engineered surface Bloch waves in graphene-based hyperbolic metamaterials. *Optics Express*, **2014**, 22, 3054-62 3.3 66
- 238 Thermally tunable and omnidirectional terahertz photonic bandgap in the one-dimensional photonic crystals containing semiconductor InSb. *Journal of Applied Physics*, **2011**, 109, 053104 2.5 66
- 237 Turnable perfect absorption at infrared frequencies by a Graphene-hBN Hyper Crystal. *Optics Express*, **2016**, 24, 17103-14 3.3 65
- 236 Broadband ultrafast spatial self-phase modulation for topological insulator Bi₂Te₃ dispersions. *Applied Physics Letters*, **2015**, 107, 151101 3.4 64
- 235 Role of the anomalous self-steepening effect in modulation instability in negative-index material. *Optics Express*, **2006**, 14, 1568-75 3.3 64
- 234 Modulation instability induced by nonlinear dispersion in nonlinear metamaterials. *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 3058 1.7 63
- 233 Controllable Raman soliton self-frequency shift in nonlinear metamaterials. *Physical Review A*, **2011**, 84, 043802 2.6 62
- 232 Tunable optical bistability at the graphene-covered nonlinear interface. *Applied Physics Letters*, **2014**, 104, 051108 3.4 61
- 231 Broadband Photonic Spin Hall Meta-Lens. *ACS Nano*, **2018**, 12, 82-88 16.7 60
- 230 Photonic spin Hall effect on the surface of anisotropic two-dimensional atomic crystals. *Photonics Research*, **2018**, 6, 511 6 56
- 229 A Novel Radio-Over-Fiber System With Wavelength Reuse for Upstream Data Connection. *IEEE Photonics Technology Letters*, **2007**, 19, 387-389 2.2 55
- 228 2.8- μm Pulsed Er³⁺:ZBLAN Fiber Laser Modulated by Topological Insulator. *IEEE Photonics Technology Letters*, **2016**, 28, 1573-1576 2.2 55
- 227 Modulation instability in nonlinear oppositely directed coupler with a negative-index metamaterial channel. *Physical Review E*, **2010**, 82, 056605 2.4 53
- 226 Watt-level passively mode-locked Er(3+)-doped ZBLAN fiber laser at 2.8 μm . *Optics Letters*, **2015**, 40, 4855-8 3 52
- 225 Ultrafast nonlinear absorption and nonlinear refraction in few-layer oxidized black phosphorus. *Photonics Research*, **2016**, 4, 286 6 52
- 224 Improved transfer quality of CVD-grown graphene by ultrasonic processing of target substrates: applications for ultra-fast laser photonics. *ACS Applied Materials & Interfaces*, **2013**, 5, 10288-93 9.5 51
- 223 Plasmonically induced transparency in in-plane isotropic and anisotropic 2D materials. *Optics Express*, **2020**, 28, 7980-8002 3.3 51
- 222 Photonic spin Hall effect in dielectric metasurfaces with rotational symmetry breaking. *Optics Letters*, **2015**, 40, 756-9 3 49

221	A Broadband Optical Modulator Based on a Graphene Hybrid Plasmonic Waveguide. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4948-4953	4	47
220	Modulation instability in metamaterials with saturable nonlinearity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 908	1.7	46
219	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
218	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
217	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
216	Efficient Third Harmonic Generation in a Metal-Organic Framework. <i>Chemistry of Materials</i> , 2016 , 28, 3385-3390	9.6	44
215	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
214	Enhancing and tuning absorption properties of microwave absorbing materials using metamaterials. <i>Applied Physics Letters</i> , 2008 , 93, 261115	3.4	43
213	BROAD OMNIDIRECTIONAL REFLECTOR IN THE ONE-DIMENSIONAL TERNARY PHOTONIC CRYSTALS CONTAINING SUPERCONDUCTOR. <i>Progress in Electromagnetics Research</i> , 2011 , 120, 17-34	3.8	42
212	Broadband third order nonlinear optical responses of bismuth telluride nanosheets. <i>Optical Materials Express</i> , 2016 , 6, 2244	2.6	40
211	Electrically controlled Goos-Hänchen shift of a light beam reflected from the metal-insulator-semiconductor structure. <i>Optics Express</i> , 2013 , 21, 10430-9	3.3	39
210	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
209	A Novel Scheme for Seamless Integration of ROF With Centralized Lightwave OFDM-WDM-PON System. <i>Journal of Lightwave Technology</i> , 2009 , 27, 2786-2791	4	35
208	Nonlinear optical properties of a one-dimensional coordination polymer. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2936-2941	7.1	34
207	Realization of tunable spin-dependent splitting in intrinsic photonic spin Hall effect. <i>Applied Physics Letters</i> , 2014 , 105, 151101	3.4	34
206	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
205	Few-layer rhenium diselenide: an ambient-stable nonlinear optical modulator. <i>Optical Materials Express</i> , 2018 , 8, 926	2.6	32
204	Independently tunable omnidirectional multichannel filters based on the fractal multilayers containing negative-index materials. <i>Optics Letters</i> , 2008 , 33, 1255-7	3	32

203	Coherent and incoherent combining of fiber array with hexagonal ring distribution. <i>Optics and Laser Technology</i> , 2007 , 39, 957-963	4.2	32
202	Metasurface enabled quantum edge detection. <i>Science Advances</i> , 2020 , 6,	14.3	32
201	Realization of tunable photonic spin Hall effect by tailoring the Pancharatnam-berry phase. <i>Scientific Reports</i> , 2014 , 4, 5557	4.9	31
200	Higher-order laser mode converters with dielectric metasurfaces. <i>Optics Letters</i> , 2015 , 40, 5506-9	3	31
199	Tailoring optical transmission via the arrangement of compound subwavelength hole arrays. <i>Optics Express</i> , 2009 , 17, 1859-64	3.3	31
198	Optical integration of Pancharatnam-Berry phase lens and dynamical phase lens. <i>Applied Physics Letters</i> , 2016 , 108, 101102	3.4	30
197	Goos-Hänchen effect enabled optical differential operation and image edge detection. <i>Applied Physics Letters</i> , 2020 , 116, 211103	3.4	29
196	Electrically driven generation of arbitrary vector vortex beams on the hybrid-order Poincaré sphere. <i>Optics Letters</i> , 2018 , 43, 3570-3573	3	29
195	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
194	Giant local circular dichroism within an asymmetric plasmonic nanoparticle trimer. <i>Scientific Reports</i> , 2015 , 5, 8207	4.9	29
193	Observation of photonic spin Hall effect with phase singularity at dielectric metasurfaces. <i>Optics Express</i> , 2015 , 23, 1767-74	3.3	29
192	Modulation instability of copropagating light beams in nonlinear metamaterials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 564	1.7	29
191	Ti ₂ C ₁₆ N ₃ MXene-based all-optical modulator. <i>Information Materials</i> , 2020 , 2, 601-609	23.1	28
190	Tunable terahertz-mirror and multi-channel terahertz-filter based on one-dimensional photonic crystals containing semiconductors. <i>Journal of Applied Physics</i> , 2011 , 110, 073111	2.5	27
189	Goos-Hänchen and Imbert-Fedorov shifts of vortex beams at airy left-handed-material interfaces. <i>Physical Review A</i> , 2012 , 85,	2.6	27
188	Wavelength-independent optical fully differential operation based on the spin-orbit interaction of light. <i>APL Photonics</i> , 2020 , 5, 036105	5.2	26
187	Field electron emission of layered Bi ₂ Se ₃ nanosheets with atom-thick sharp edges. <i>Nanoscale</i> , 2014 , 6, 8306-10	7.7	26
186	Reversed propagation dynamics of Laguerre-Gaussian beams in left-handed materials. <i>Physical Review A</i> , 2008 , 77,	2.6	25

185	Bulk-structured PtSe for femtosecond fiber laser mode-locking. <i>Optics Express</i> , 2019 , 27, 2604-2611	3.3	25
184	Resonance Raman Probes for Organelle-Specific Labeling in Live Cells. <i>Scientific Reports</i> , 2016 , 6, 28483	4.9	25
183	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
182	Soliton manipulation using Airy pulses. <i>Optics Communications</i> , 2014 , 316, 127-131	2	24
181	Topological Insulator Simultaneously Q-Switched Dual-Wavelength $\text{Nd}:\text{Lu}_2\text{O}_3$ Laser. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-7	1.8	24
180	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
179	Ultrafast pulse generation from erbium-doped fiber laser modulated by hybrid organic/organic halide perovskites. <i>Applied Physics Letters</i> , 2017 , 110, 161111	3.4	23
178	Wavelength-locked vectorial fiber laser manipulated by Pancharatnam-Berry phase. <i>Optics Express</i> , 2017 , 25, 30-38	3.3	23
177	Ultrasensitive detection of ion concentration based on photonic spin Hall effect. <i>Applied Physics Letters</i> , 2019 , 115, 251102	3.4	23
176	ABCD matrix formalism for propagation of Gaussian beam through left-handed material slab system. <i>Optics Communications</i> , 2009 , 282, 2670-2675	2	22
175	Observation of central wavelength dynamics in erbium-doped fiber ring laser. <i>Optics Express</i> , 2008 , 16, 7169-74	3.3	22
174	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
173	Transitional Goos-Hñchen effect due to the topological phase transitions. <i>Optics Express</i> , 2018 , 26, 23705-23713	5.3	21
172	Polarization Insensitive Wavelength Conversion Based on Orthogonal Pump Four-Wave Mixing for Polarization Multiplexing Signal in High-Nonlinear Fiber. <i>Journal of Lightwave Technology</i> , 2009 , 27, 5767-5774 ²⁰	4.5	20
171	Two-dimensional optical spatial differentiation and high-contrast imaging. <i>National Science Review</i> , 2021 , 8, nwaa176	10.8	20
170	Ultrafast nonlinear optical response in solution dispersions of black phosphorus. <i>Scientific Reports</i> , 2017 , 7, 3352	4.9	19
169	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
168	Observation of tiny polarization rotation rate in total internal reflection via weak measurements. <i>Photonics Research</i> , 2017 , 5, 92	6	19

167	Weak measurements of a large spin angular splitting of light beam on reflection at the Brewster angle. <i>Optics Express</i> , 2012 , 20, 16003-9	3.3	19
166	Rotational Doppler effect in left-handed materials. <i>Physical Review A</i> , 2008 , 78,	2.6	19
165	Low-threshold optical bistability with multilayer graphene-covering Otto configuration. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 255306	3	19
164	Adjustable phase resonances in a compound metallic grating with perpendicular cuts. <i>Optics Express</i> , 2010 , 18, 6871-6	3.3	18
163	Role of transverse-momentum currents in the optical Magnus effect in free space. <i>Physical Review A</i> , 2010 , 81,	2.6	18
162	Copropagation of two pulses of different frequencies and modulation instabilities induced by cross-phase modulation in metamaterials. <i>Optics Communications</i> , 2009 , 282, 1440-1447	2	18
161	Spatiotemporal instability in dispersive nonlinear Kerr medium with a finite response time. <i>Optics Communications</i> , 2010 , 283, 2251-2257	2	18
160	Novel optical orthogonally modulation scheme for superimposing DPSK signals on dark RZ signals. <i>Optics Communications</i> , 2008 , 281, 3658-3667	2	18
159	Absolute left-handed behaviors in a triangular elliptical-rod photonic crystal. <i>Optics Express</i> , 2005 , 13, 9796-803	3.3	18
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	Multilayer graphene for Q-switched mode-locking operation in an erbium-doped fiber laser. <i>Optics Communications</i> , 2013 , 300, 17-21	2	17
156	Spatiotemporal electromagnetic soliton and spatial ring formation in nonlinear metamaterials. <i>Physical Review A</i> , 2010 , 81,	2.6	17
155	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
154	Two Switchable Plasmonically Induced Transparency Effects in a System with Distinct Graphene Resonators. <i>Nanoscale Research Letters</i> , 2020 , 15, 142	5	17
153	All-optical mm-wave generation by using direct-modulation DFB laser and external modulator. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 1265-1267	1.2	16
152	Field and dispersion properties of subwavelength-diameter hollow optical fiber. <i>Optics Express</i> , 2007 , 15, 6629-34	3.3	16
151	Hybrid seeded femtosecond optical parametric amplifier. <i>Optics Express</i> , 2005 , 13, 9747-52	3.3	16
150	Liquid crystal Pancharatnam-Berry phase lens with spatially separated focuses. <i>Liquid Crystals</i> , 2019 , 46, 995-1000	2.3	16

149	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
148	Measurements of Pancharatnam-Berry phase in mode transformations on hybrid-order Poincaré sphere. <i>Optics Letters</i> , 2017 , 42, 3447-3450	3	15
147	Ferroelectric Liquid Crystal Dammann Grating by Patterned Photoalignment. <i>Crystals</i> , 2017 , 7, 79	2.3	15
146	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
145	A novel radio over fiber system with DWDM mm-wave generation and wavelength reuse for upstream data connection. <i>Optics Express</i> , 2007 , 15, 5893-7	3.3	15
144	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
143	Optical analog computing of two-dimensional spatial differentiation based on the Brewster effect. <i>Optics Letters</i> , 2020 , 45, 6867-6870	3	15
142	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
141	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
140	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
139	Manipulating dispersive wave generation by anomalous self-steepening effect in metamaterials. <i>Optics Express</i> , 2012 , 20, 26828-36	3.3	14
138	Weak-value amplification for Weyl-point separation in momentum space. <i>New Journal of Physics</i> , 2018 , 20, 103050	2.9	14
137	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
136	Trapping and controlling the dispersive wave within a solitonic well. <i>Optics Express</i> , 2016 , 24, 10302-12	3.3	13
135	Temperature-insensitive frequency tripling for generating high-average power UV lasers. <i>Optics Express</i> , 2014 , 22, 4267-76	3.3	13
134	Polarization insensitive all-optical up-conversion for ROF systems based on parallel pump FWM in a SOA. <i>Optics Express</i> , 2009 , 17, 6962-7	3.3	13
133	Fiber-array-based detection scheme for single-shot pulse contrast characterization. <i>Optics Letters</i> , 2008 , 33, 1969-71	3	13
132	Photonic Hall effect and helical in a synthetic Weyl system. <i>Light: Science and Applications</i> , 2019 , 8, 49	16.7	12

131	Bismuth Telluride nanocrystal: broadband nonlinear response and its application in ultrafast photonics. <i>Scientific Reports</i> , 2018 , 8, 2355	4.9	12
130	Evolution of airy pulses in the presence of third order dispersion. <i>Optik</i> , 2013 , 124, 5833-5836	2.5	12
129	Effect of birefringence on the bandwidth of noise-like pulse in an erbium-doped fiber laser. <i>Journal of Modern Optics</i> , 2009 , 56, 572-576	1.1	12
128	Propagation of Gaussian beams in negative-index metamaterials with cubic nonlinearity. <i>Optics Communications</i> , 2008 , 281, 2663-2669	2	12
127	Broadband mid-infrared nonlinear optical modulator enabled by gold nanorods: towards the mid-infrared regime. <i>Photonics Research</i> , 2019 , 7, 699	6	12
126	Nonlinear Optical Response in Natural van der Waals Heterostructures. <i>Advanced Optical Materials</i> , 2020 , 8, 2000382	8.1	11
125	Giant photonic spin Hall effect near the Dirac points. <i>Physical Review A</i> , 2020 , 101,	2.6	11
124	Broadband Nonlinear Optical Response of Single-Crystalline Bismuth Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35863-35870	9.5	11
123	Geometric phase Doppler effect: when structured light meets rotating structured materials. <i>Optics Express</i> , 2017 , 25, 11564-11573	3.3	11
122	Passively Q-switched vectorial fiber laser modulated by hybrid organic-inorganic perovskites. <i>Optical Materials Express</i> , 2017 , 7, 1220	2.6	11
121	Focusing properties of Gaussian beams by a slab of Kerr-type left-handed metamaterial. <i>Optics Express</i> , 2008 , 16, 4774-84	3.3	11
120	A full-duplex radio-over-fiber system using direct modulation laser to generate optical millimeter-wave and wavelength reuse for uplink connection. <i>Optics Communications</i> , 2008 , 281, 2083-2088	2.88	11
119	Manipulating the spin-dependent splitting by geometric Doppler effect. <i>Optics Express</i> , 2015 , 23, 16682-93	3.3	10
118	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
117	Tunable Gold Nanorods Q-Switcher for Pulsed Er-Doped Fiber Laser. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-9	1.8	10
116	Enhanced and Tunable Goos-Hänchen Shift in a Cavity Containing Colloidal Ferrofluids. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-10	1.8	10
115	Extend the omnidirectional zero-average-index photonic band gap using the band edge formalism: Application to the metamaterial with Drude dispersion. <i>Journal of Applied Physics</i> , 2010 , 108, 093105	2.5	10
114	Transmission performance of optical OFDM signals with low peak-to-average power ratio by a phase modulator. <i>Optics Communications</i> , 2009 , 282, 4194-4197	2	10

113	Femtosecond optical parametric amplification with dispersion precompensation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006 , 12, 181-186	3.8	10
112	Smoothing effect in the broadband laser through a dispersive wedge. <i>Optics Communications</i> , 2006 , 265, 106-110	2	10
111	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
110	Liquid crystal bifocal lens with adjustable intensities through polarization controls. <i>Optics Letters</i> , 2020 , 45, 5716-5719	3	10
109	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
108	Electrically optical phase controlling for millimeter wave orbital angular momentum multi-modulation communication. <i>Optics Communications</i> , 2017 , 393, 49-55	2	9
107	Dual-Band Infrared Near-Perfect Absorption by Fabry-Perot Resonances and Surface Phonons. <i>Plasmonics</i> , 2018 , 13, 803-809	2.4	9
106	Substrate-induced magnetism and topological phase transition in silicene. <i>Nanoscale</i> , 2018 , 10, 14667-14677	2.7	9
105	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
104	Manipulating Dispersive Wave Generation by Frequency Chirp in Photonic Crystal Fibers. <i>Journal of Lightwave Technology</i> , 2009 , 27, 4501-4507	4	9
103	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
102	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
101	A spin controlled wavefront shaping metasurface with low dispersion in visible frequencies. <i>Nanoscale</i> , 2019 , 11, 17111-17119	7.7	8
100	Photonic spin filter with dielectric metasurfaces. <i>Optics Express</i> , 2015 , 23, 33079-86	3.3	8
99	Spin-to-orbital angular momentum conversion in spin Hall effect of light. <i>Optics Communications</i> , 2012 , 285, 864-871	2	8
98	Total reflection of electromagnetic waves propagating from an isotropic medium to an indefinite metamaterial. <i>Optics Communications</i> , 2007 , 274, 248-253	2	8
97	Spatiotemporal instability and space-time focusing in nonlinear self-defocusing dispersive media. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 3267-3272	3	8
96	Weak-value amplification for the optical signature of topological phase transitions. <i>Photonics Research</i> , 2020 , 8, B47	6	8

95	Dielectric metasurfaces for quantum weak measurements. <i>Applied Physics Letters</i> , 2017 , 110, 161115	3.4	7
94	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
93	Physical mechanisms for tuning the nonlinear effects in photonic crystals. <i>Optics Express</i> , 2015 , 23, 19885-90	3.9	7
92	Three-dimensional spin Hall effect of light in tight focusing. <i>Physical Review A</i> , 2020 , 101,	2.6	7
91	General features of spatiotemporal instability induced by arbitrary high-order nonlinear dispersions in metamaterials. <i>Journal of Modern Optics</i> , 2010 , 57, 876-884	1.1	7
90	Improved Microwave Absorption of Carbonyl Iron Powder by the Array of Subwavelength Metallic Cut Wires. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010 , 16, 441-445	3.8	7
89	Low-pass rugate spatial filters for beam smoothing. <i>Optics Communications</i> , 2010 , 283, 2665-2668	2	7
88	Negative refraction in a honeycomb-lattice photonic crystal. <i>Solid State Communications</i> , 2007 , 141, 183-187	1.87	7
87	Influence of space-time focusing on spatiotemporal instability in nonlinear dispersive media. <i>Optics Communications</i> , 2002 , 202, 339-346	2	7
86	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
85	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
84	Coherent and incoherent combining of fiber array with hexagonal ring distribution. <i>Optical Fiber Technology</i> , 2009 , 15, 226-232	2.4	6
83	An improved shooting algorithm and its application to high-power fiber lasers. <i>Optics Communications</i> , 2010 , 283, 3764-3767	2	6
82	Frequency characteristics of the dark and bright surface solitons at a nonlinear metamaterial interface. <i>Optics Communications</i> , 2010 , 283, 1607-1612	2	6
81	A staggered differential phase-shift keying modulation format for 100Gbit/s applications. <i>Optics Express</i> , 2008 , 16, 12937-42	3.3	6
80	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
79	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
78	Recent Advances in Photoalignment Liquid Crystal Polarization Gratings and Their Applications. <i>Crystals</i> , 2021 , 11, 900	2.3	6

77	Switchable self-defocusing and focusing in nearly isotropic photonic crystals via enhanced inverse diffraction. <i>Physical Review A</i> , 2015 , 91,	2.6	5
76	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
75	Metamaterial-based polarization control plate for producing incoherent laser irradiation. <i>Applied Optics</i> , 2012 , 51, 4749-53	1.7	5
74	Bragg reflective polychromatic vector beam generation from opposite-handed cholesteric liquid crystals. <i>Optics Letters</i> , 2019 , 44, 2720	3	5
73	Compact photonic spin filters. <i>Applied Physics Letters</i> , 2016 , 109, 181104	3.4	5
72	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
71	Near-Zero-Sidelobe Optical Subwavelength Asymmetric Focusing Lens with Dual-Layer Metasurfaces. <i>Annalen Der Physik</i> , 2020 , 532, 2000035	2.6	4
70	Role of third-order dispersion in chirped Airy pulse propagation in single-mode fibers. <i>Optics Communications</i> , 2018 , 413, 24-29	2	4
69	ENHANCED NONLINEARITIES IN DOUBLE-FISHNET NEGATIVE-INDEX PHOTONIC METAMATERIALS. <i>Progress in Electromagnetics Research</i> , 2013 , 136, 269-282	3.8	4
68	Hot images from phase defects in high-power broadband laser beams. <i>Optics and Lasers in Engineering</i> , 2009 , 47, 194-198	4.6	4
67	Omnidirectional and tunable symmetrical confined states in photonic quantum-well structures with single-negative materials. <i>Optik</i> , 2011 , 122, 724-727	2.5	4
66	Soliton in fiber lasers beyond the Ginzburg-Landau equation approximation. <i>Optics Communications</i> , 2007 , 275, 404-408	2	4
65	Fields of apertured polychromatic laser beams with Gaussian and Hermite-Gaussian transverse modes. <i>Optics and Laser Technology</i> , 2007 , 39, 900-908	4.2	4
64	Scattering by two degenerate anisotropic modes in square-lattice dielectric photonic crystals. <i>Physical Review B</i> , 2006 , 73,	3.3	4
63	Effects of the frequency chirp on the fields of a chirped Gaussian pulse passing through a hard-edged aperture. <i>Optics Communications</i> , 2006 , 259, 474-478	2	4
62	Realization of ultra-small stress birefringence detection with weak-value amplification technique. <i>Applied Physics Letters</i> , 2021 , 118, 161104	3.4	4
61	Dynamically reconfigurable topological states in photonic crystals with liquid crystals. <i>Optics Letters</i> , 2021 , 46, 2589-2592	3	4
60	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

59	Simultaneous Surface Display and Holography Enabled by Flat Liquid Crystal Elements. <i>Laser and Photonics Reviews</i> , 2100491	8.3	4
58	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
57	Formation and Energy Exchange of Vector Dark Solitons in Fiber Lasers. <i>IEEE Photonics Journal</i> , 2015, 7, 1-9	1.8	3
56	Superluminal Pulse Reflection From Graphene Covered Lossless Dielectric Slab. <i>IEEE Journal of Quantum Electronics</i> , 2015, 51, 1-6	2	3
55	Nonlinear absorption due to linear loss and magnetic permeability in metamaterials. <i>Physical Review E</i> , 2012, 85, 066604	2.4	3
54	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
53	Spatial modulation instability in soft matter. <i>Journal of Modern Optics</i> , 2009, 56, 121-125	1.1	3
52	Experimental research on measuring the fine structure of long pulse in time domain by synchronized ultrashort pulse. <i>Optics Communications</i> , 2011, 284, 847-851	2	3
51	Evolution of spatial modulation of broadband laser pulses with different pulse durations in medium with non-instantaneous Kerr nonlinearity. <i>Optics Communications</i> , 2011, 284, 2210-2214	2	3
50	The role of dispersion in the propagation of rotating beams in left-handed materials. <i>Optics Express</i> , 2009, 17, 5645-55	3.3	3
49	DARK SOLITON SOLUTIONS TO THE NONLINEAR SCHRÖDINGER EQUATION FOR ULTRASHORT PULSE PROPAGATION IN METAMATERIALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2009, 18, 271-284	0.8	3
48	Ultrabroadband optical parametric chirped-pulse amplifier using a fan-out periodically poled crystal with spectral spatial dispersion. <i>Physical Review A</i> , 2010, 82,	2.6	3
47	Synchronization and Relative Timing Jitter Measurement of Femtosecond and Picosecond Laser Regenerative Amplifiers. <i>IEEE Journal of Quantum Electronics</i> , 2010, 46, 1354-1359	2	3
46	Generation of dark RZ signals by using one delayed line Mach-Zehnder interferometer along with one phase modulator. <i>Microwave and Optical Technology Letters</i> , 2007, 49, 755-759	1.2	3
45	Smoothing the side lobes of a focused pattern by spectral dispersion in the broadband laser. <i>Optik</i> , 2007, 118, 594-598	2.5	3
44	Field enhancement and power distribution characteristics of subwavelength-diameter terahertz hollow optical fiber. <i>Optics Communications</i> , 2008, 281, 1129-1133	2	3
43	Influence of the chirp on the intensity distributions of an apertured pulse. <i>Optik</i> , 2006, 117, 388-392	2.5	3
42	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

41	Passive photonic diodes based on natural van der Waals heterostructures. <i>Nanophotonics</i> , 2020 , 10, 927-935	3.5	3
40	Stretchable and foldable waveplate based on liquid crystal polymer. <i>Applied Physics Letters</i> , 2020 , 117, 263301	3.4	3
39	Photonic spin Hall effect in twisted few-layer anisotropic two-dimensional atomic crystals. <i>Physical Review A</i> , 2022 , 105,	2.6	3
38	Transmission of light through double gold nanobars embedded in split ring pair array. <i>Optics Communications</i> , 2015 , 355, 156-160	2	2
37	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
36	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
35	~3.5 μm Er ³⁺ : ZBLAN Fiber Laser in Dual-End Pumping Regime. <i>IEEE Access</i> , 2019 , 7, 147238-147243	3.5	2
34	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
33	Intrinsic dual-wavelength operation of a passively mode-locked fiber ring laser. <i>Optics Communications</i> , 2009 , 282, 2934-2938	2	2
32	The optimum length of linear cavity Yb ³⁺ -doped double-clad fiber laser. <i>Optics Communications</i> , 2010 , 283, 1449-1453	2	2
31	Doppler effect of Laguerre-Gaussian beams propagating in left-handed materials 2008 ,		2
30	Ultrabroad bandwidth solitons in fiber amplifier. <i>Optics and Lasers in Engineering</i> , 2008 , 46, 456-460	4.6	2
29	Optical mm-wave DWDM signal generation with photonic frequency quadruple by only one external modulator. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 1152-1155	1.2	2
28	Full Diversity Concatenation Space-Time Coding Over Time-Selective Block Rayleigh Fading Channels via Duality 2006 ,		2
27	High-order nonreciprocal add-drop filter. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	2
26	Optical edge imaging based on the birefringence property and electro-optic tunability characteristic of the liquid crystals. <i>Liquid Crystals</i> , 1-6	2.3	2
25	Polarization evolution on the higher-order Poincaré sphere via photonic Dirac points. <i>Physical Review A</i> , 2021 , 104,	2.6	2
24	Nonspecular effects in the vicinity of a photonic Dirac point. <i>Physical Review A</i> , 2021 , 103,	2.6	2

23	Multiple-weak-value quantum measurement for precision estimation of time delay. <i>Physical Review A</i> , 2022 , 105,	2.6	2
22	Highly Efficient Vectorial Fiber Laser With Switchable Output. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1852-1855	2.2	1
21	Response to Comment on Ultra-short pulse generation by a topological insulator based saturable absorber [Appl. Phys. Lett. 103, 106101 (2013)]. <i>Applied Physics Letters</i> , 2013 , 103, 106102	3.4	1
20	Spatiotemporal behaviors and singularity of ultrashort pulsed Elegant Hermite-Gaussian beams. <i>Optik</i> , 2009 , 120, 51-55	2.5	1
19	Experimental research of pulsed chirp effect on the small-scale self-focusing 2008 , 51, 1653-1660		1
18	Low-pass Spatial Filtering Using Optically Thinner Left-handed Photonic Crystals 2006 ,		1
17	Propagation of the ultrashort pulsed beam with ultrabroad bandwidth in the dispersive medium. <i>Physical Review A</i> , 2003 , 68,	2.6	1
16	Examining the optical model of graphene via the photonic spin Hall effect.. <i>Optics Letters</i> , 2022 , 47, 846-849	3.49	1
15	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
14	Nonlinear optical responses of erbium-doped YAG ceramics. <i>Optical Materials</i> , 2016 , 57, 231-235	3.3	1
13	Symmetric Airy vortex and symmetric Airy vector beams. <i>Liquid Crystals</i> , 2021 , 48, 484-490	2.3	1
12	Dual-Wavelength Nanosecond Nd:YVO4 Laser With Switchable Inhomogeneous Polarization Output. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-5	3.8	0
11	Effects of dielectric environment on the optical properties of compound 1S-shaped grating. <i>Optik</i> , 2015 , 126, 2752-2756	2.5	
10	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	
9	Comprehensive study on the concept of spectral-domain reflection and refraction. <i>Applied Physics Express</i> , 2019 , 12, 102013	2.4	
8	SPATIAL XPM-PAIRED SOLITONS IN NONLINEAR METAMATERIALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2013 , 22, 1350009	0.8	
7	A terawatt Nd:glass chirped pulse amplification laser system seeded by two order optical parametric amplification. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012 , 55, 776-780	3.6	
6	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	

- 5 Narrowing behavior of chirped pulses with small Fresnel number in focusing systems. *Optik*, **2011**, 122, 1865-1868 2.5
- 4 Narrowing effect of focused polychromatic laser with small Fresnel number. *Optics Communications*, **2011**, 284, 2707-2710 2
- 3 BOUNDED TRAVELING WAVE SOLUTIONS TO THE SHORT PULSE EQUATION. *Journal of Nonlinear Optical Physics and Materials*, **2012**, 21, 1250049 0.8
- 2 Propagation Characteristics of Anisotropic a-Axis Hollow Lithium Niobate Nanowire. *Journal of Lightwave Technology*, **2016**, 34, 4028-4035 4
- 1 Phase smoothing and polarisation-phase synchronous smoothing based on liquid crystal Pancharatnam-Berry phase devices. *Liquid Crystals*, **2021**, 48, 150-156 2.3