Hui-Tian Wang

List of Publications by Year
in descending order

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341 papers	11,643 citations	30070 54 h-index	42399 92 g-index
341 all docs	341 docs citations	341 times ranked	8712 citing authors

#	Article	IF	Citations
1	Dynamically taming focal fields of femtosecond lasers for fabricating microstructures. Chinese Optics Letters, 2022, 20, 010502.	2.9	4
2	High-Precision Calibration of Phase-Only Spatial Light Modulators. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	4
3	Ultrahigh-Pressure Magnesium Hydrosilicates as Reservoirs of Water in Early Earth. Physical Review Letters, 2022, 128, 035703.	7.8	16
4	Superionic Silica-Water and Silica-Hydrogen Compounds in the Deep Interiors of Uranus and Neptune. Physical Review Letters, 2022, 128, 035702.	7.8	19
5	Third-harmonic generation of spatially structured light in a quasi-periodically poled crystal. Optica, 2022, 9, 183.	9.3	10
6	Electronegativity and chemical hardness of elements under pressure. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117416119.	7.1	25
7	Experimental self-testing for photonic graph states. Optics Express, 2022, 30, 101.	3.4	2
8	Temperature-induced electride transition in dense lithium. Physical Review B, 2022, 105, .	3.2	4
9	Configuring Polarization Singularity Array Composed of C-Point Pairs. IEEE Photonics Journal, 2022, 14, 1-6.	2.0	1
10	Control of harmonic orbital angular momentum in second-harmonic generation of perfect vortices. Physical Review A, 2022, 105, .	2.5	4
11	Phase transition of layer-stacked borophene under pressure. Physical Review B, 2022, 105, .	3.2	5
12	Local angular momentum induced dual orbital effect. APL Photonics, 2022, 7, .	5.7	4
13	Electronically Driven 1D Cooperative Diffusion in a Simple Cubic Crystal. Physical Review X, 2021, 11, .	8.9	12
14	Mixed Coordination Silica at Megabar Pressure. Physical Review Letters, 2021, 126, 035701.	7.8	20
15	Curvilinear PoincarÃ© vector beams. Chinese Optics Letters, 2021, 19, 032602.	2.9	4
16	Helium-nitrogen mixtures at high pressure. Physical Review B, 2021, 103, .	3.2	16
17	Non-diffracting and self-accelerating Bessel beams with on-demand tailored intensity profiles along arbitrary trajectories. Optics Letters, 2021, 46, 1494.	3.3	27
18	Twin curvilinear vortex beams. Optics Express, 2021, 29, 14112.	3.4	2

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19	Polarization singularities: Progress, fundamental physics, and prospects. APL Photonics, 2021, 6, 040901.	5.7	41
20	Optical frequency conversion of light with maintaining polarization and orbital angular momentum. Optics Letters, 2021, 46, 2300.	3.3	11
21	Efficient continuous-wave eye-safe Nd:YVO₄ self-Raman laser at 1.5â€‰â€‰Âµm. Optics Letters, 2021, 46, 3183.	3.3	6
22	Formation of copper boride on Cu(111). Fundamental Research, 2021, 1, 482-487.	3.3	15
23	Impact of the spatial coherence on self-interference digital holography*. Chinese Physics B, 2021, 30, 084212.	1.4	0
24	Radially self-accelerating Stokes vortices in nondiffracting Besselâ€“PoincarÃ© beams. Applied Optics, 2021, 60, 8659.	1.8	4
25	Spin-to-orbital angular momentum conversion via light intensity gradient. Optica, 2021, 8, 1231.	9.3	26
26	Polarization interferometric prism: A versatile tool for generation of vector fields, measurement of topological charges, and implementation of a spinâ€“orbit controlled-Not gate. Applied Physics Letters, 2021, 118, .	3.3	6
27	High-dimensional quantum cryptography based on multiplexing of polarized structured photons. , 2021, , .		0
28	Dynamic shaping of vectorial optical fields based on two-dimensional blazed holographic grating*. Chinese Physics B, 2020, 29, 014208.	1.4	1
29	Coexistence of plastic and partially diffusive phases in a helium-methane compound. National Science Review, 2020, 7, 1540-1547.	9.5	33
30	Asymptotical Locking Tomography of High-Dimensional Entanglement*. Chinese Physics Letters, 2020, 37, 034204.	3.3	7
31	Real-time transition dynamics and stability of chip-scale dispersion-managed frequency microcombs. Light: Science and Applications, 2020, 9, 52.	16.6	24
32	Plastic and Superionic Helium Ammonia Compounds under High Pressure and High Temperature. Physical Review X, 2020, 10, .	8.9	28
33	Highly purified transversely polarized optical needle generated by the hybridly polarized vector optical field with hyperbolic symmetry. Journal of Optics (United Kingdom), 2020, 22, 105604.	2.2	11
34	Theoretical analysis based on mirror symmetry for tightly focused vector optical fields. Optics Express, 2020, 28, 23416.	3.4	3
35	Stronger Quantum Contextuality. , 2020, , .		0
36	Tunable azimuthally non-uniform orbital angular momentum carried by vector optical fields. Chinese Optics Letters, 2020, 18, 122601.	2.9	4

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37	Double-slit interference of single twisted photons. Chinese Optics Letters, 2020, 18, 102601.	2.9	3
38	Generation and Tunable Focal Shift of the Hybridly Polarized Vector Optical Fields with Parabolic Symmetry. Chinese Physics Letters, 2020, 37, 124201.	3.3	1
39	Pancharatnamâ€“Berry geometric phase memory based on spontaneous parametric down-conversion. Optics Letters, 2020, 45, 682.	3.3	1
40	Bessel-like beams with controllable rotating local linear polarization during propagation. Optics Letters, 2020, 45, 1738.	3.3	8
41	Multiple superionic states in heliumâ€“water compounds. Nature Physics, 2019, 15, 1065-1070.	16.7	69
42	Predicted lithium oxide compounds and superconducting low-pressure <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LiO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml Physical Review B, 2019, 100, .	3.2	3
43	Complete measurement and multiplexing of orbital angular momentum Bell states. Physical Review A, 2019, 100, .	2.5	10
44	Spin angular momentum density and transverse energy flow of tightly focused kaleidoscope-structured vector optical fields. APL Photonics, 2019, 4, 096102.	5.7	30
45	Tunable polarization singularity array enabled using superposition of vector curvilinear beams. Applied Physics Letters, 2019, 114, .	3.3	12
46	Predicting three-dimensional icosahedron-based boron <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>60</mml:mn></mml:msub></mml:math>. Physical Review B, 2019, 99, .	3.2	21
47	Manipulation of eight-dimensional Bell-like states. Science Advances, 2019, 5, eaat9206.	10.3	20
48	Magnetic borophenes from an evolutionary search. Physical Review B, 2019, 99, .	3.2	25
49	Multi-Path Ghost Imaging by Means of an Additional Time Correlation. Chinese Physics Letters, 2019, 36, 044205.	3.3	1
50	Pseudo-topological property of Julia fractal vector optical fields. Optics Express, 2019, 27, 13263.	3.4	5
51	Sub-10 nm stable graphene quantum dots embedded in hexagonal boron nitride. Nanoscale, 2019, 11, 4226-4230.	5.6	18
52	Identifying the Symmetry of an Object Based on Orbital Angular Momentum through a Few-Mode Fiber[*]. Chinese Physics Letters, 2019, 36, 124207.	3.3	1
53	Single ultra-high-definition spatial light modulator enabling highly efficient generation of fully structured vector beams. Applied Optics, 2019, 58, 6591.	1.8	13
54	Multifractal vector optical fields. Optics Express, 2019, 27, 20608.	3.4	1

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55	Compact, robust, and high-efficiency generator of vector optical fields. Optics Letters, 2019, 44, 2382.	3.3	9
56	Observation of polarization topological singular lines. Photonics Research, 2019, 7, 705.	7.0	8
57	Propagation characteristics of orbital angular momentum modes at 810Ânm in step-index few-mode fibers. Chinese Optics Letters, 2019, 17, 120601.	2.9	2
58	Measuring spatial coherence by using a lateral shearing interferometry. Applied Optics, 2019, 58, 56.	1.8	9
59	Diffraction properties and applications of spatially structured optical fields with fractal amplitude masks. Applied Optics, 2019, 58, 8631.	1.8	2
60	Energy transfer of the tightly focused hybridly polarized vector optical fields with elliptic symmetry in free space. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 1898.	1.5	1
61	Image encryption based on fractal-structured phase mask in fractional Fourier transform domain. Journal of Optics (United Kingdom), 2018, 20, 045703.	2.2	8
62	Predicting the ground-state structure of sodium boride. Physical Review B, 2018, 97, .	3.2	26
63	Two-dimensional boron on Pb (1 1 0) surface. FlatChem, 2018, 7, 34-41.	5.6	7
64	Two-Photon Interference Constructed by Two Hongâ€“Ouâ€“Mandel Effects in One Mach-Zehnder Interferometer. Chinese Physics Letters, 2018, 35, 090303.	3.3	1
65	Extremely sharp transmission peak in optically thin aluminum film with hexagonal nanohole arrays. Journal of Optics (United Kingdom), 2018, 20, 105002.	2.2	3
66	Controlling optical field collapse by elliptical symmetry hybrid polarization structure. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2373.	2.1	8
67	A novel superhard tungsten nitride predicted by machine-learning accelerated crystal structure search. Science Bulletin, 2018, 63, 817-824.	9.0	102
68	Focusing behavior of the fractal vector optical fields designed by fractal lattice growth model. Optics Express, 2018, 26, 1597.	3.4	20
69	Inverse method to engineer uniform-intensity focal fields with arbitrary shape. Optics Express, 2018, 26, 16782.	3.4	8
70	Three-dimensional vectorial multifocal arrays created by pseudo-period encoding. Journal of Optics (United Kingdom), 2018, 20, 065605.	2.2	11
71	Measurement of the topological charge and index of vortex vector optical fields with a space-variant half-wave plate. Optics Letters, 2018, 43, 823.	3.3	24
72	Unveiling of control on the polarization of supercontinuum spectra based on ultrafast birefringence induced by filamentation. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2916.	2.1	3

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73	Femtosecond polarization-structured optical field meets an anisotropic nonlinear medium. Optics Express, 2018, 26, 27726.	3.4	14
74	Control on helical filaments by twisted beams in a nonlinear CS₂ medium. Optics Express, 2018, 26, 29527.	3.4	9
75	High efficiency generation of tunable ellipse perfect vector beams. Photonics Research, 2018, 6, 1116.	7.0	25
76	Extending optical filaments with phase-nested laser beams. Photonics Research, 2018, 6, 1130.	7.0	14
77	Strong tunable absorption enhancement in graphene using dielectric-metal core-shell resonators. Scientific Reports, 2017, 7, 32.	3.3	25
78	A stable compound of helium and sodium at high pressure. Nature Chemistry, 2017, 9, 440-445.	13.6	276
79	Spatial-Variant Geometric Phase of Hybrid-Polarized Vector Optical Fields. Chinese Physics Letters, 2017, 34, 044204.	3.3	3
80	Dielectric broadband meta-vector-polarizers based on nematic liquid crystal. APL Photonics, 2017, 2, .	5.7	7
81	Superhard and superconducting B6C. Materials Today Physics, 2017, 3, 76-84.	6.0	13
82	Trajectory-based unveiling of the angular momentum of photons. Physical Review A, 2017, 95, .	2.5	1
83	Wavefront manipulation with a dipolar metasurface under coherent control. Journal of Applied Physics, 2017, 122, .	2.5	16
84	Robust Ghost Imaging Based on Degenerate Spontaneous Parametric Down-Conversion. Chinese Physics Letters, 2017, 34, 054206.	3.3	0
85	Efficient numerical solution of excitation number conserving quantum systems. AIP Advances, 2017, 7, 085225.	1.3	1
86	High-efficiency and flexible generation of vector vortex optical fields by a reflective phase-only spatial light modulator. Applied Optics, 2017, 56, 6175.	1.8	18
87	Spawning a ring of exceptional points from a metamaterial. Optics Express, 2017, 25, 18265.	3.4	11
88	Redistributing the energy flow of tightly focused ellipticity-variant vector optical fields. Photonics Research, 2017, 5, 640.	7.0	35
89	Entanglement and nonlocality in a coupled-cavity system. Photonics Research, 2017, 5, 224.	7.0	2
90	Control the Collapse of Optical Fields by Anisotropic Media. , 2017, , .		0

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91	Time-resolved multiple imaging by detecting photons with changeable wavelengths. Chinese Optics Letters, 2017, 15, 081101.	2.9	2
92	Control of femtosecond multi-filamentation in glass by designable patterned optical fields. AIP Advances, 2016, 6, .	1.3	10
93	Microstructures fabricated by dynamically controlled femtosecond patterned vector optical fields. Optics Letters, 2016, 41, 1474.	3.3	13
94	Unveiling stability of multiple filamentation caused by axial symmetry breaking of polarization. Photonics Research, 2016, 4, B29.	7.0	26
95	Fractal vector optical fields. Optics Letters, 2016, 41, 3161.	3.3	15
96	Vector optical fields broken in the spatial frequency domain. Physical Review A, 2016, 93, .	2.5	12
97	Two-dimensional magnetic boron. Physical Review B, 2016, 93, .	3.2	101
98	Low-dimensional boron: searching for Dirac materials. Advances in Physics: X, 2016, 1, 412-424.	4.1	14
99	Arbitrarily tunable orbital angular momentum of photons. Scientific Reports, 2016, 6, 29212.	3.3	29
100	Ghost Imaging with High Visibility Using Classical Light Source. Chinese Physics Letters, 2016, 33, 034203.	3.3	7
101	Generalized PoincarÃ© sphere. Optics Express, 2015, 23, 26586.	3.4	46
102	Hyperbolic-symmetry vector fields. Optics Express, 2015, 23, 32238.	3.4	7
103	Uniformly elliptically-polarized vector optical fields. Journal of Optics (United Kingdom), 2015, 17, 035616.	2.2	4
104	A new phase from compression of carbon nanotubes with anisotropic Dirac fermions. Scientific Reports, 2015, 5, 10713.	3.3	23
105	Focal shift in tightly focused Laguerreâ€“Gaussian beams. Optics Communications, 2015, 334, 156-159.	2.1	12
106	An efficient and robust scheme for controlling the states of polarization in a Sagnac interferometric configuration. Europhysics Letters, 2014, 105, 64006.	2.0	17
107	Trajectory-based unveiling of angular momentum of photons. , 2014, , .		0
108	Fingerprints of topological defects in a metasurface. Optics Letters, 2014, 39, 4879.	3.3	3

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109	Phase conjugation of vector fields by degenerate four-wave mixing in a Fe-doped LiNbO_3. Optics Letters, 2014, 39, 4907.	3.3	5
110	Dual-band unidirectional circular polarizer with opposite handedness filtration using hybridized metamaterial. Optics Express, 2014, 22, 9301.	3.4	13
111	Elliptic-symmetry vector optical fields. Optics Express, 2014, 22, 19302.	3.4	22
112	Recording and reconstruction of vector fields in a Fe-doped LiNbO_3 crystal. Optics Letters, 2014, 39, 1917.	3.3	5
113	Near-field plasmonic coupling for enhanced nonlinear absorption by femtosecond pulses in bowtie nanoantenna arrays. Applied Physics A: Materials Science and Processing, 2014, 117, 1841-1848.	2.3	6
114	Parabolic-symmetry vector optical fields and their tightly focusing properties. Physical Review A, 2014, 89, .	2.5	18
115	Light field shaping by tailoring both phase and polarization. Applied Optics, 2014, 53, 785.	1.8	16
116	CHAPTER 2: VECTOR OPTICAL FIELDS AND THEIR NOVEL EFFECTS. , 2014, , 27-72.		0
117	Semimetallic Two-Dimensional Boron Allotrope with Massless Dirac Fermions. Physical Review Letters, 2014, 112, .	7.8	497
118	Unexpected Reconstruction of theÎ±-Boron (111) Surface. Physical Review Letters, 2014, 113, 176101.	7.8	29
119	Analytical formulae of tightly focused Laguerreâ€“Gaussian vector fields. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overlo	2.2	2
120	Security enhancement of double-random phase encryption by iterative algorithm. Journal of Optics (United Kingdom), 2014, 16, 085401.	2.2	6
121	Critical route for coherent perfect absorption in a Fano resonance plasmonic system. Applied Physics Letters, 2014, 105, .	3.3	28
122	Separation of spin angular momentum in space-variant linearly polarized beam. Applied Physics B: Lasers and Optics, 2014, 114, 355-359.	2.2	7
123	An ab initio study on the transition paths from graphite to diamond under pressure. Journal of Physics Condensed Matter, 2013, 25, 145402.	1.8	22
124	Encryption of ghost imaging. Physical Review A, 2013, 88, .	2.5	39
125	Variable cell nudged elastic band method for studying solidâ€“solid structural phase transitions. Computer Physics Communications, 2013, 184, 2111-2118.	7.5	71
126	Managing orbital angular momentum in second-harmonic generation. Physical Review A, 2013, 88, .	2.5	39

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127	Compressed carbon nanotubes: A family of new multifunctional carbon allotropes. Scientific Reports, 2013, 3, 1331.	3.3	80
128	Holographic optical tweezers obtained by using the three-dimensional Gerchbergâ€“Saxton algorithm. Journal of Optics (United Kingdom), 2013, 15, 035401.	2.2	27
129	The atomic structures of carbon nitride sheets for cathode oxygen reduction catalysis. Journal of Chemical Physics, 2013, 138, 164706.	3.0	19
130	Tunable local surface plasmon resonance in liquid-crystal-coated Ag nanoparticles. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1199-1204.	2.1	8
131	Grating-assisted surface plasmons resonance in 2D microstructures induced by femtosecond vector fields. , 2013, , .		0
132	Sharper focal spot generated by 4Ï€ tight focusing of higher-order Laguerreâ€“Gaussian radially polarized beam. Optics Letters, 2013, 38, 3937.	3.3	45
133	Vector optical fields with polarization distributions similar to electric and magnetic field lines. Optics Express, 2013, 21, 16200.	3.4	11
134	Femtosecond Laser Processing by Using Patterned Vector Optical Fields. Scientific Reports, 2013, 3, 2281.	3.3	56
135	Subwavelength multiple focal spots produced by tight focusing the patterned vector optical fields. Optics Express, 2013, 21, 31469.	3.4	23
136	Vector optical fields with bipolar symmetry of linear polarization. Optics Letters, 2013, 38, 3700.	3.3	23
137	Youngâ€™s two-slit interference of vector light fields. Optics Letters, 2012, 37, 1790.	3.3	21
138	Enhanced optical angular momentum in cylinder waveguides with negative-index metamaterials. Journal of Optics (United Kingdom), 2012, 14, 045703.	2.2	5
139	Vector Fields and Their Novel Properties. , 2012, , .		0
140	Self-formed two-dimensional near-wavelength microstructures on copper induced by multipulse femtosecond vector optical fields. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2282.	2.1	8
141	Two-dimensional microstructures induced by femtosecond vector light fields on silicon. Optics Express, 2012, 20, 120.	3.4	78
142	Vectorial self-diffraction effect in optically Kerr medium. Optics Express, 2012, 20, 149.	3.4	16
143	Wave front engineering from an array of thin aperture antennas. Optics Express, 2012, 20, 15882.	3.4	310
144	Twisted vector field from an inhomogeneous and anisotropic metamaterial. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 572.	2.1	79

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145	Spin-sensitive distribution of electromagnetic field via spin-orbit interaction in structured metamaterials. Journal of Applied Physics, 2012, 112, 013102.	2.5	1
146	Highâ€pressure phases of NaAlH4 from first principles. Applied Physics Letters, 2012, 100, 061905.	3.3	10
147	Effects of orbital angular momentum on the geometric spin Hall effect of light. Physical Review A, 2012, 85, .	2.5	26
148	Spatial splitting of spin states in subwavelength metallic microstructures via partial conversion of spin-to-orbital angular momentum. Physical Review A, 2012, 85, .	2.5	21
149	Tuning the catalytic property of nitrogen-doped graphene for cathode oxygen reduction reaction. Physical Review B, 2012, 85, .	3.2	81
150	Angular diffraction of an optical vortex induced by the Gouy phase. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	2.2	24
151	Taming the Collapse of Optical Fields. Scientific Reports, 2012, 2, 1007.	3.3	54
152	Two-Dimensional Superlattice: Modulation of Band Gaps in Graphene-Based Monolayer Carbon Superlattices. Journal of Physical Chemistry Letters, 2012, 3, 3373-3378.	4.6	60
153	Exotic Cubic Carbon Allotropes. Journal of Physical Chemistry C, 2012, 116, 24233-24238.	3.1	53
154	Spin Hall effect of reflected light from an air-glass interface around the Brewsterâ€™s angle. Applied Physics Letters, 2012, 100, .	3.3	82
155	High-pressure behaviors of carbon nanotubes. Journal of Superhard Materials, 2012, 34, 371-385.	1.2	28
156	Superhard F-carbon predicted byab initioparticle-swarm optimization methodology. Journal of Physics Condensed Matter, 2012, 24, 165504.	1.8	42
157	Tetragonal Allotrope of Group 14 Elements. Journal of the American Chemical Society, 2012, 134, 12362-12365.	13.7	170
158	Focal shift of flat-topped beams passing through a lens system with or without aperture. Optik, 2012, 123, 1440-1443.	2.9	3
159	Z-scan theory with simultaneous two- and three-photon absorption saturation. Optics and Laser Technology, 2012, 44, 390-393.	4.6	17
160	Fanoâ€“Feshbach resonance in structural symmetry broken metamaterials. Journal of Applied Physics, 2011, 109, 014901.	2.5	22
161	Three Dimensional Carbon-Nanotube Polymers. ACS Nano, 2011, 5, 7226-7234.	14.6	110
162	Novel Superhard Carbon: C-Centered Orthorhombic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2011, 107, 215502.	7.8	225

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163	Universal Phase Transitions of B1-Structured Stoichiometric Transition Metal Carbides. Inorganic Chemistry, 2011, 50, 9266-9272.	4.0	11
164	Optical trapping with focused Airy beams. Applied Optics, 2011, 50, 43.	2.1	164
165	Ultrabroadband SCG with quasi-continuous wave nanosecond-long pump pulses in PCF. Chinese Optics Letters, 2011, 9, 071405-71407.	2.9	2
166	Asymmetric transmission for linearly polarized electromagnetic radiation. Optics Express, 2011, 19, 8347.	3.4	126
167	Unidirectional optical transmission in dual-metal gratings in the absence of anisotropic and nonlinear materials. Optics Letters, 2011, 36, 1905.	3.3	59
168	Generation of vector beam with space-variant distribution of both polarization and phase. Optics Letters, 2011, 36, 3179.	3.3	186
169	Optical spin-dependent angular shift in structured metamaterials. Optics Letters, 2011, 36, 3942.	3.3	12
170	Linear and Nonlinear Optical Properties of Ferroelectric Thin Films. , 2011, , .		1
171	Large shear strength enhancement of gamma-boron by normal compression. Journal of Superhard Materials, 2011, 33, 401-408.	1.2	10
172	Theoretical study on stability of Z-scan technique by use of quasi-one-dimensional slit beam. Optik, 2011, 122, 1152-1158.	2.9	3
173	Broadband colored-crescent generation in a singleÎ²-barium-borate crystal by intense femtosecond pulses. Physical Review A, 2011, 84, .	2.5	7
174	Near-field phase singularity in subwavelength metallic microstructures. Physical Review A, 2011, 84, .	2.5	9
175	Unveiling locally linearly polarized vector fields with broken axial symmetry. Physical Review A, 2011, 83, .	2.5	25
176	Wanget al.Reply:. Physical Review Letters, 2011, 106, .	7.8	6
177	Superconducting high-pressure phase of platinum hydride from first principles. Physical Review B, 2011, 84, .	3.2	47
178	Vector fields with hybrid states of polarization and their orbital angular momentum. Proceedings of SPIE, 2011, , .	0.8	1
179	Actively-controlled polarization independent extraordinary electromagnetic transmission in one-dimensional metal gratings. Applied Physics B: Lasers and Optics, 2010, 98, 681-684.	2.2	3
180	Slow light in a simple metamaterial structure constructed by cut and continuous metal strips. Applied Physics B: Lasers and Optics, 2010, 100, 699-703.	2.2	32

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181	A compact efficient continuous-wave self-frequency Raman laser with a composite YVO4/Nd:YVO4/YVO4 crystal. Applied Physics B: Lasers and Optics, 2010, 101, 493-496.	2.2	16
182	Z-scan analytical theory for material with saturable absorption and two-photon absorption. Optics Communications, 2010, 283, 3525-3528.	2.1	47
183	Nonlinear properties of polyurethane-urea/multi-wall carbon nanotube composite films. Optics and Laser Technology, 2010, 42, 956-959.	4.6	5
184	Propagation of Laguerreâ€“Gaussian beams in cubicâ€“quintic nonlinear media by variational approach. Optics and Laser Technology, 2010, 42, 1318-1322.	4.6	9
185	Origin of insulating behavior of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-type<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LaAlO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Polarization-induced asymmetric distribution of oxygen va. Physical Review B, 2010, 82, .	3.2	59
186	Theoretical and experimental studies of three-photon-induced excited-state absorption. Applied Physics Letters, 2010, 96, .	3.3	10
187	Unusual compression behavior of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> from first principles. Physical Review B, 2010, 82, .	3.2	28
188	Second-harmonic generation in one-dimensional metal gratings with dual extraordinary transmissions. Journal of Applied Physics, 2010, 107, 053108.	2.5	5
189	Compressive Strength of Diamond from First-Principles Calculation. Journal of Physical Chemistry C, 2010, 114, 17851-17853.	3.1	46
190	Optical orbital angular momentum from the curl of polarization. Physical Review Letters, 2010, 105, 253602.	7.8	219
191	Ab initiostudy of the formation of transparent carbon under pressure. Physical Review B, 2010, 82, .	3.2	119
192	Polarization-selective diffractive optical elements with a twisted-nematic liquid-crystal display. Applied Optics, 2010, 49, 1069.	2.1	10
193	ä¸€ç»´å®Œç¾Žé‡'å±žåŒæ…ç»"æž„çš„ç"µç£é€å°„ç‰¹æ€§. Chinese Optics Letters, 2010, 8, 807.	2.9	2
194	A bidirectional tunable optical diode based on periodically poled LiNbO_3. Optics Express, 2010, 18, 7340.	3.4	29
195	A new type of vector fields with hybrid states of polarization. Optics Express, 2010, 18, 10786.	3.4	189
196	Efficient green-light generation by frequency doubling of a picosecond all-fiber ytterbium-doped fiber amplifier in PPKTP waveguide inscribed by femtosecond laser direct writing. Optics Express, 2010, 18, 25183.	3.4	5
197	Excited-state enhancement of third-order optical nonlinearities: photodynamics and characterization. Optics Express, 2010, 18, 26843.	3.4	5
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