Hui-Tian Wang

List of Publications by Year
in descending order

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	Semimetallic Two-Dimensional Boron Allotrope with Massless Dirac Fermions. Physical Review Letters, 2014, 112, .	7.8	497
2	Generation of arbitrary vector beams with a spatial light modulator and a common path interferometric arrangement. Optics Letters, 2007, 32, 3549.	3.3	462
3	Ab initioinvestigations of optical properties of the high-pressure phases of ZnO. Physical Review B, 2005, 71, .	3.2	363
4	Wave front engineering from an array of thin aperture antennas. Optics Express, 2012, 20, 15882.	3.4	310
5	A stable compound of helium and sodium at high pressure. Nature Chemistry, 2017, 9, 440-445.	13.6	276
6	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
7	Optical orbital angular momentum from the curl of polarization. Physical Review Letters, 2010, 105, 253602.	7.8	219
8	Theoretical study on the closed-aperture Z-scan curves in the materials with nonlinear refraction and strong nonlinear absorption. Optics Communications, 2001, 197, 431-437.	2.1	209
9	Ionicities of Boron-Boron Bonds inB12Icosahedra. Physical Review Letters, 2005, 94, 015504.	7.8	207
10	A new type of vector fields with hybrid states of polarization. Optics Express, 2010, 18, 10786.	3.4	189
11	Generation of vector beam with space-variant distribution of both polarization and phase. Optics Letters, 2011, 36, 3179.	3.3	186
12	Tetragonal Allotrope of Group 14 Elements. Journal of the American Chemical Society, 2012, 134, 12362-12365.	13.7	170
13	Hardness of covalent compounds: Roles of metallic component and d valence electrons. Journal of Applied Physics, 2008, 104, .	2.5	166
14	Optical trapping with focused Airy beams. Applied Optics, 2011, 50, 43.	2.1	164
15	Characterizing topological charge of optical vortices by using an annular aperture. Optics Letters, 2009, 34, 3686.	3.3	137
16	Asymmetric transmission for linearly polarized electromagnetic radiation. Optics Express, 2011, 19, 8347.	3.4	126
17	<i>Ab initio</i>study of the formation of transparent carbon under pressure. Physical Review B, 2010, 82, .	3.2	119
18	First-principles study of electronic structure and optical properties of heterodiamondBC2N. Physical Review B, 2006, 73, .	3.2	113

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19	Tunable slow light in semiconductor metamaterial in a broad terahertz regime. Journal of Applied Physics, 2010, 107, .	2.5	112
20	Three Dimensional Carbon-Nanotube Polymers. ACS Nano, 2011, 5, 7226-7234.	14.6	110
21	Conical Second Harmonic Generation in a Two-DimensionalÏ‡(2)Photonic Crystal: A Hexagonally PoledLiTaO3Crystal. Physical Review Letters, 2004, 93, 133904.	7.8	108
22	4-ps passively mode-locked Nd:Gd_05Y_05VO_4 laser with a semiconductor saturable-absorber mirror. Optics Letters, 2004, 29, 2803.	3.3	105
23	A novel superhard tungsten nitride predicted by machine-learning accelerated crystal structure search. Science Bulletin, 2018, 63, 817-824.	9.0	102
24	Two-dimensional magnetic boron. Physical Review B, 2016, 93, .	3.2	101
25	The Anomalous Infrared Transmission of Gold Films on Two-Dimensional Colloidal Crystals. Advanced Materials, 2006, 18, 1612-1616.	21.0	96
26	Two-photon-induced excited-state absorption: Theory and experiment. Applied Physics Letters, 2008, 92, .	3.3	95
27	Phase-shifting error and its elimination in phase-shifting digital holography. Optics Letters, 2002, 27, 1687.	3.3	88
28	Spin Hall effect of reflected light from an air-glass interface around the Brewsterâ€™s angle. Applied Physics Letters, 2012, 100, .	3.3	82
29	High-efficiency continuous-wave Raman conversion with a BaWO_4 Raman crystal. Optics Letters, 2009, 34, 1687.	3.3	81
30	Tuning the catalytic property of nitrogen-doped graphene for cathode oxygen reduction reaction. Physical Review B, 2012, 85, .	3.2	81
31	Compressed carbon nanotubes: A family of new multifunctional carbon allotropes. Scientific Reports, 2013, 3, 1331.	3.3	80
32	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
33	Optical properties of heterodiamond B2CN using first-principles calculations. Applied Physics Letters, 2004, 84, 4544-4546.	3.3	78
34	2-ps passively mode-locked Nd:YVO4 laser using an output-coupling-type semiconductor saturable absorber mirror. Applied Physics Letters, 2005, 86, 101103.	3.3	78
35	Two-dimensional microstructures induced by femtosecond vector light fields on silicon. Optics Express, 2012, 20, 120.	3.4	78
36	First-principles studies of structural and electronic properties of hexagonalBC5. Physical Review B, 2006, 73, .	3.2	75

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37	Controllable electromagnetic transmission based on dual-metallic grating structures composed of subwavelength slits. Applied Physics Letters, 2007, 91, 111111.	3.3	75
38	Variable cell nudged elastic band method for studying solidâ€“solid structural phase transitions. Computer Physics Communications, 2013, 184, 2111-2118.	7.5	71
39	Optimal annulus structures of optical vortices. Optics Express, 2004, 12, 4625.	3.4	70
40	Z-scan theory for material with two- and three-photon absorption. Optics Express, 2005, 13, 9230.	3.4	70
41	Giant enhancement of second harmonic generation in a finite photonic crystal with a single defect and dual-localized modes. Physical Review B, 2004, 70, .	3.2	69
42	Multiple superionic states in heliumâ€“water compounds. Nature Physics, 2019, 15, 1065-1070.	16.7	69
43	Physical mechanism of extraordinary electromagnetic transmission in dual-metallic grating structures. Physical Review B, 2008, 78, .	3.2	68
44	Configurable three-dimensional optical cage generated from cylindrical vector beams. Optics Communications, 2009, 282, 3421-3425.	2.1	68
45	Simultaneous generation of red, green, and blue quasi-continuous-wave coherent radiation based on multiple quasi-phase-matched interactions from a single, aperiodically-poled LiTaO3. Applied Physics Letters, 2003, 82, 3159-3161.	3.3	67
46	Giant optical nonlinearity of a Bi2Nd2Ti3O12 ferroelectric thin film. Applied Physics Letters, 2004, 85, 3687-3689.	3.3	67
47	Predicting hardness of dense C3N4 polymorphs. Applied Physics Letters, 2006, 88, 101906.	3.3	67
48	Hybridized surface plasmon polaritons at an interface between a metal and a uniaxial crystal. Applied Physics Letters, 2008, 92, 141115.	3.3	67
49	Z-scan theory of two-photon absorption saturation and experimental evidence. Journal of Applied Physics, 2007, 102, .	2.5	66
50	Most likely phase of superhard<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>BC</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>by<i>ab initio</i>calculations. Physical Review B, 2007, 76, .	3.2	62
51	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
52	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:n Polarization-induced asymmetric distribution of oxygen va. Physical Review B, 2010, 82, .	3.2	59
53	Unidirectional optical transmission in dual-metal gratings in the absence of anisotropic and nonlinear materials. Optics Letters, 2011, 36, 1905.	3.3	59
54	Characterization of saturable absorbers using an open-aperture Gaussian-beamZscan. Physical Review A, 2006, 73, .	2.5	56

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55	Femtosecond Laser Processing by Using Patterned Vector Optical Fields. Scientific Reports, 2013, 3, 2281.	3.3	56
56	Hardness of cubic spinel Si3N4. Applied Physics Letters, 2004, 85, 5571-5573.	3.3	54
57	High efficiency single- and dual-wavelength Ndâ€‰:â€‰GdVO4 lasers pumped by a fiber-coupled diode. Applied Physics B: Lasers and Optics, 2004, 79, 301-304.	2.2	54
58	Taming the Collapse of Optical Fields. Scientific Reports, 2012, 2, 1007.	3.3	54
59	Third-harmonic generation in a general two-component quasi-periodic optical superlattice. Optics Letters, 2001, 26, 899.	3.3	53
60	Exotic Cubic Carbon Allotropes. Journal of Physical Chemistry C, 2012, 116, 24233-24238.	3.1	53
61	Theory of Gaussian beam Z scan with simultaneous third- and fifth-order nonlinear refraction based on a Gaussian decomposition method. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2651.	2.1	48
62	Prediction of a sandwichlike conducting superhard boron carbide: First-principles calculations. Physical Review B, 2006, 73, .	3.2	48
63	High-efficiency eye-safe intracavity Raman laser at 1531Ânm withÂSrWO4 crystal. Applied Physics B: Lasers and Optics, 2008, 93, 327-330.	2.2	48
64	Z-scan analytical theory for material with saturable absorption and two-photon absorption. Optics Communications, 2010, 283, 3525-3528.	2.1	47
65	Superconducting high-pressure phase of platinum hydride from first principles. Physical Review B, 2011, 84, .	3.2	47
66	Simultaneously efficient blue and red light generations in a periodically poled LiTaO3. Applied Physics Letters, 2001, 78, 3006-3008.	3.3	46
67	Two-dimensional wave-front reconstruction from lateral shearing interferograms. Optics Express, 2006, 14, 625.	3.4	46
68	Co2+:LMA crystal as saturable absorber for a diode-pumped passively Q-switched Nd:YVO4 laser at 1342Ânm. Applied Physics B: Lasers and Optics, 2007, 89, 319-321.	2.2	46
69	Compressive Strength of Diamond from First-Principles Calculation. Journal of Physical Chemistry C, 2010, 114, 17851-17853.	3.1	46
70	Bulk Re₂C: Crystal Structure, Hardness, and Ultra-incompressibility. Crystal Growth and Design, 2010, 10, 5024-5026.	3.0	46
71	Generalized PoincarÃ© sphere. Optics Express, 2015, 23, 26586.	3.4	46
72	Optical harmonic generation in a quasi-phase-matched three-component Fibonacci superlattice LiTaO3. Applied Physics Letters, 2001, 78, 577-579.	3.3	45

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73	Sharper focal spot generated by 4Ï€ tight focusing of higher-order Laguerreâ€“Gaussian radially polarized beam. Optics Letters, 2013, 38, 3937.	3.3	45
74	Synthesis, properties of fullerene-containing polyurethaneâ€“urea and its optical limiting absorption. Polymer, 2003, 44, 2647-2654.	3.8	44
75	Investigation of optical nonlinearities in Pd(po)2 by Z-scan technique. Optik, 2003, 114, 58-62.	2.9	43
76	Tunable high-peak-power, high-energy hybrid Q-switched double-clad fiber laser. Optics Letters, 2004, 29, 724.	3.3	43
77	First-principles study of wurtzite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>. Physical Review B, 2007, 76, .	3.2	43
78	Preparation of Metallodielectric Composite Particles with Multishell Structure. Langmuir, 2004, 20, 3042-3046.	3.5	42
79	Bond ionicities and hardness ofB13C2-like structuredByXcrystals(X=C,N,O,P,As). Physical Review B, 2006, 73, .	3.2	42
80	Superhard F-carbon predicted by<i>ab initio</i>particle-swarm optimization methodology. Journal of Physics Condensed Matter, 2012, 24, 165504.	1.8	42
81	Generation of optical vortices with arbitrary shape and array via helical phase spatial filtering. Optics Communications, 2006, 259, 449-454.	2.1	41
82	Chalcopyrite polymorph for superhard BC2N. Applied Physics Letters, 2006, 89, 151911.	3.3	41
83	Polarization singularities: Progress, fundamental physics, and prospects. APL Photonics, 2021, 6, 040901.	5.7	41
84	Three-photon absorption saturation in ZnO and ZnS crystals. Journal of Applied Physics, 2008, 103, .	2.5	40
85	Continuous-wave intracavity Raman laser at 1179.5Ânm withÂSrWO4 Raman crystal inÂdiode-end-pumped Nd:YVO4Âlaser. Applied Physics B: Lasers and Optics, 2009, 94, 553-557.	2.2	40
86	Effect of the fill factor of CCD pixels on digital holograms: comment on the papers â€œFrequency analysis of digital holographyâ€•and â€œFrequency analysis of digital holography with reconstruction by convolutionâ€• Optical Engineering, 2003, 42, 2768.	1.0	39
87	Optimal annular computer-generated holograms for the generation of optical vortices. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 385.	1.5	39
88	Crystal structure and stability of magnesium borohydride from first principles. Physical Review B, 2009, 79, .	3.2	39
89	Encryption of ghost imaging. Physical Review A, 2013, 88, .	2.5	39
90	Managing orbital angular momentum in second-harmonic generation. Physical Review A, 2013, 88, .	2.5	39

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91	Refined Crystal Structure and Mechanical Properties of Superhard BC₄N Crystal: First-Principles Calculations. Journal of Physical Chemistry C, 2008, 112, 9516-9519.	3.1	38
92	Slow Light and Superluminality in Kerr Media without a Pump. Physical Review Letters, 2005, 95, 063902.	7.8	36
93	Theoretical hardness of the cubic BC2N. Diamond and Related Materials, 2007, 16, 526-530.	3.9	36
94	Redistributing the energy flow of tightly focused ellipticity-variant vector optical fields. Photonics Research, 2017, 5, 640.	7.0	35
95	Simultaneous cw red, yellow, and green light generation, â€œtraffic signal lights,â€•by frequency doubling and sum-frequency mixing in an aperiodically poled LiTaO3. Applied Physics Letters, 2003, 83, 228-230.	3.3	33
96	Optical vortex phase-shifting digital holography. Optics Express, 2004, 12, 5166.	3.4	33
97	Z-scan technique for investigation of the noninstantaneous optical Kerr nonlinearity. Optics Letters, 2009, 34, 2769.	3.3	33
98	Coexistence of plastic and partially diffusive phases in a helium-methane compound. National Science Review, 2020, 7, 1540-1547.	9.5	33
99	Body-centered superhard<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>phases from first principles. Physical Review B, 2007, 76, .	3.2	32
100	A tetragonal phase of superhard BC2N. Journal of Applied Physics, 2009, 105, .	2.5	32
101	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
102	Red, yellow, green and blue â€“ four-color light from a single, aperiodically poled LiTaO3 crystal. Applied Physics B: Lasers and Optics, 2004, 78, 265-267.	2.2	31
103	Spin angular momentum density and transverse energy flow of tightly focused kaleidoscope-structured vector optical fields. APL Photonics, 2019, 4, 096102.	5.7	30
104	A bidirectional tunable optical diode based on periodically poled LiNbO_3. Optics Express, 2010, 18, 7340.	3.4	29
105	Unexpected Reconstruction of theÎ±-Boron (111) Surface. Physical Review Letters, 2014, 113, 176101.	7.8	29
106	Arbitrarily tunable orbital angular momentum of photons. Scientific Reports, 2016, 6, 29212.	3.3	29
107	Engineering of a dual-periodic optical superlattice used in a coupled optical parametric interaction. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1676.	2.1	28
108	FDTD approach to optical forces of tightly focused vector beams on metal particles. Optics Express, 2009, 17, 8407.	3.4	28

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109	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:m from first principles. Physical Review B, 2010, 82, .	3.2	28
110	Dynamics of two-photon-induced three-photon absorption in nanosecond, picosecond, and femtosecond regimes. Optics Letters, 2010, 35, 417.	3.3	28
111	Controllable optical black hole in left-handed materials. Optics Express, 2010, 18, 2106.	3.4	28
112	High-pressure behaviors of carbon nanotubes. Journal of Superhard Materials, 2012, 34, 371-385.	1.2	28
113	Critical route for coherent perfect absorption in a Fano resonance plasmonic system. Applied Physics Letters, 2014, 105, .	3.3	28
114	Plastic and Superionic Helium Ammonia Compounds under High Pressure and High Temperature. Physical Review X, 2020, 10, .	8.9	28
115	Polarization structuring of focused field through polarization-only modulation of incident beam. Optics Letters, 2010, 35, 2825.	3.3	27
116	Holographic optical tweezers obtained by using the three-dimensional Gerchbergâ€"Saxton algorithm. Journal of Optics (United Kingdom), 2013, 15, 035401.	2.2	27
117	Non-diffracting and self-accelerating Bessel beams with on-demand tailored intensity profiles along arbitrary trajectories. Optics Letters, 2021, 46, 1494.	3.3	27
118	Surface plasmon polaritons at interfaces associated with artificial composite materials. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2686.	2.1	26
119	Effects of orbital angular momentum on the geometric spin Hall effect of light. Physical Review A, 2012, 85, .	2.5	26
120	Unveiling stability of multiple filamentation caused by axial symmetry breaking of polarization. Photonics Research, 2016, 4, B29.	7.0	26
121	Predicting the ground-state structure of sodium boride. Physical Review B, 2018, 97, .	3.2	26
122	Spin-to-orbital angular momentum conversion via light intensity gradient. Optica, 2021, 8, 1231.	9.3	26
123	Unveiling locally linearly polarized vector fields with broken axial symmetry. Physical Review A, 2011, 83, .	2.5	25
124	Strong tunable absorption enhancement in graphene using dielectric-metal core-shell resonators. Scientific Reports, 2017, 7, 32.	3.3	25
125	Magnetic borophenes from an evolutionary search. Physical Review B, 2019, 99, .	3.2	25
126	High efficiency generation of tunable ellipse perfect vector beams. Photonics Research, 2018, 6, 1116.	7.0	25

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127	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
128	Angular diffraction of an optical vortex induced by the Gouy phase. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.2	24
129	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
130	Real-time transition dynamics and stability of chip-scale dispersion-managed frequency microcombs. Light: Science and Applications, 2020, 9, 52.	16.6	24
131	Mutually pumped phase conjugator with a rainbow configuration in BaTiO_3:Ce crystal using nanosecond pulses. Optics Letters, 1996, 21, 561.	3.3	23
132	Incoherent-to-coherent conversion by use of the photorefractive fanning effect. Optics Letters, 1997, 22, 1612.	3.3	23
133	Optically uniaxial left-handed materials. Physical Review B, 2005, 72, .	3.2	23
134	Subwavelength multiple focal spots produced by tight focusing the patterned vector optical fields. Optics Express, 2013, 21, 31469.	3.4	23
135	Vector optical fields with bipolar symmetry of linear polarization. Optics Letters, 2013, 38, 3700.	3.3	23
136	A new phase from compression of carbon nanotubes with anisotropic Dirac fermions. Scientific Reports, 2015, 5, 10713.	3.3	23
137	Unbinding force of chemical bonds and tensile strength in strong crystals. Journal of Physics Condensed Matter, 2009, 21, 485405.	1.8	22
138	Fanoâ€"Feshbach resonance in structural symmetry broken metamaterials. Journal of Applied Physics, 2011, 109, 014901.	2.5	22
139	An <i>ab initio</i> study on the transition paths from graphite to diamond under pressure. Journal of Physics Condensed Matter, 2013, 25, 145402.	1.8	22
140	Elliptic-symmetry vector optical fields. Optics Express, 2014, 22, 19302.	3.4	22
141	Youngâ€™s two-slit interference of vector light fields. Optics Letters, 2012, 37, 1790.	3.3	21
142	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
143	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
144	A scheme to realize three-fundamental-colors laser based on quasi-phase matching. Solid State Communications, 2001, 119, 363-366.	1.9	20

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145	Total transmission of electromagnetic waves at interfaces associated with an indefinite medium. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 904.	2.1	20
146	Focusing behavior of the fractal vector optical fields designed by fractal lattice growth model. Optics Express, 2018, 26, 1597.	3.4	20
147	Manipulation of eight-dimensional Bell-like states. Science Advances, 2019, 5, eaat9206.	10.3	20
148	Mixed Coordination Silica at Megabar Pressure. Physical Review Letters, 2021, 126, 035701.	7.8	20
149	Quasi-Cw Ultraviolet Generation in a Dual-periodic LiTaO3Superlattice by Frequency Tripling. Japanese Journal of Applied Physics, 2001, 40, 6841-6844.	1.5	19
150	Phase-shifting with computer-generated holograms written on a spatial light modulator. Applied Optics, 2003, 42, 6975.	2.1	19
151	The atomic structures of carbon nitride sheets for cathode oxygen reduction catalysis. Journal of Chemical Physics, 2013, 138, 164706.	3.0	19
152	Superionic Silica-Water and Silica-Hydrogen Compounds in the Deep Interiors of Uranus and Neptune. Physical Review Letters, 2022, 128, 035702.	7.8	19
153	Determination of optical nonlinearities in Cu(mpo)2 by Z-scan technique. Optical and Quantum Electronics, 2003, 35, 693-703.	3.3	18
154	530-mW quasi-white-light generation using all-solid-state laser technique. Journal of Applied Physics, 2004, 96, 7756-7758.	2.5	18
155	Efficient generation of red light by frequency doubling in a periodically-poled nearly-stoichiometric LiTaO3 crystal. Applied Physics Letters, 2004, 85, 188-190.	3.3	18
156	Passively mode-locking Nd:Gd_05Y_05VO_4 laser with an In_025Ga_075As absorber grown at low temperature. Applied Optics, 2005, 44, 4384.	2.1	18
157	Determinations of third- and fifth-order nonlinearities by the use of the top-hat-beam Z scan: theory and experiment. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 446.	2.1	18
158	High-efficiency continuous-wave and Q-switched diode-end-pumped multi-wavelength Nd:YAG lasers. Optics Communications, 2006, 265, 301-305.	2.1	18
159	Parabolic-symmetry vector optical fields and their tightly focusing properties. Physical Review A, 2014, 89, .	2.5	18
160	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
161	Sub-10 nm stable graphene quantum dots embedded in hexagonal boron nitride. Nanoscale, 2019, 11, 4226-4230.	5.6	18
162	Studies on formation mechanisms of self-pumped phase conjugation in BaTiO_3:Ce crystals at wavelengths from 570 to 680 nm. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 1048.	2.1	17

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163	Generation of 840ÂmW of red light by frequency doubling a diode-pumped 1342Ânm Nd:YVO4 laser with periodically-poled LiTaO3. Applied Physics B: Lasers and Optics, 2002, 74, 537-539.	2.2	17
164	Diode-End-Pumped Passively CW Mode-Locked Nd:YLF Laser by the LT-In<tex>$_0.25$</tex>Ga<tex>$_0.75$</tex>As Absorber. IEEE Journal of Quantum Electronics, 2006, 42, 1097-1100.	1.9	17
165	Infrared and Raman spectra ofÎ²â^'BC2Nfrom first principles calculations. Physical Review B, 2006, 74, .	3.2	17
166	Formation, structure, and electric property of CaB4 single crystal synthesized under high pressure. Applied Physics Letters, 2010, 96, .	3.3	17
167	Z-scan theory with simultaneous two- and three-photon absorption saturation. Optics and Laser Technology, 2012, 44, 390-393.	4.6	17
168	An efficient and robust scheme for controlling the states of polarization in a Sagnac interferometric configuration. Europhysics Letters, 2014, 105, 64006.	2.0	17
169	INVESTIGATION OF THE INFLUENCE OF FINITE APERTURE SIZE ON THE Z-SCAN TRANSMITTANCE CURVE. Journal of Nonlinear Optical Physics and Materials, 2001, 10, 431-439.	1.8	16
170	Second Z-scan in materials with nonlinear refraction and nonlinear absorption. Journal of Optics, 2002, 4, 504-508.	1.5	16
171	Investigations into the mid-infrared Christiansen effect of the dispersive materials. Infrared Physics and Technology, 2002, 43, 401-405.	2.9	16
172	Large lateral shift near pseudo-Brewster angle on reflection from a weakly absorbing double negative medium. Optics Express, 2006, 14, 10574.	3.4	16
173	Hardness of Î±- and Î²-Si3â^'nCnN4 (n=0, 1, 2, 3) crystals. Diamond and Related Materials, 2009, 18, 72-75.	3.9	16
174	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
175	Vectorial self-diffraction effect in optically Kerr medium. Optics Express, 2012, 20, 149.	3.4	16
176	Light field shaping by tailoring both phase and polarization. Applied Optics, 2014, 53, 785.	1.8	16
177	Wavefront manipulation with a dipolar metasurface under coherent control. Journal of Applied Physics, 2017, 122, .	2.5	16
178	Helium-nitrogen mixtures at high pressure. Physical Review B, 2021, 103, .	3.2	16
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