Tingchao He

List of Publications by Citations

159 papers	3,508 citations	33 h-index	52 g-index
173 ext. papers	4,260 ext. citations	6.5 avg, IF	5.46 L-index

#	Paper	IF	Citations
159	TiO2/(CdS, CdSe, CdSeS) Nanorod Heterostructures and Photoelectrochemical Properties. *Journal of Physical Chemistry C*, **2012**, 116, 11956-11963	3.8	224
158	Stimulated emission and lasing from CdSe/CdS/ZnS core-multi-shell quantum dots by simultaneous three-photon absorption. *Advanced Materials*, **2014**, 26, 2954-61	24	141
157	Upconversion nanoparticles as a contrast agent for photoacoustic imaging in live mice. *Advanced Materials*, **2014**, 26, 5633-8	24	140
156	Blue liquid lasers from solution of CdZnS/ZnS ternary alloy quantum dots with quasi-continuous pumping. *Advanced Materials*, **2015**, 27, 169-75	24	104
155	High energy soliton pulse generation by a magnetron-sputtering-deposition-grown MoTe2 saturable absorber. *Photonics Research*, **2018**, 6, 535	6	99
154	Enhancing Organic Phosphorescence by Manipulating Heavy-Atom Interaction. *Crystal Growth and Design*, **2016**, 16, 808-813	3.5	86
153	Mode-locked thulium-doped fiber laser with chemical vapor deposited molybdenum ditelluride. *Optics Letters*, **2018**, 43, 1998-2001	3	76
152	Exciton localization and optical properties improvement in nanocrystal-embedded ZnO core-shell nanowires. *Nano Letters*, **2013**, 13, 734-9	11.5	76
151	Nanocomposites of graphene oxide and upconversion rare-earth nanocrystals with superior optical limiting performance. *Small*, **2012**, 8, 2271-6	11	75
150	Deciphering the intersystem crossing in near-infrared BODIPY photosensitizers for highly efficient photodynamic therapy. *Chemical Science*, **2019**, 10, 3096-3102	9.4	73
149	A study of the thermal-induced nonlinearity of Au and Ag colloids prepared by the chemical reaction method. *Optics and Laser Technology*, **2008**, 40, 936-940	4.2	73
148	Optically Active CdSe-Dot/CdS-Rod Nanocrystals with Induced Chirality and Circularly Polarized Luminescence. *ACS Nano*, **2018**, 12, 5341-5350	16.7	73
147	SERS enhancement dependence on the diameter and aspect ratio of silver-nanowire array fabricated by anodic aluminium oxide template. *Applied Surface Science*, **2008**, 255, 1901-1905	6.7	67
146	Magnetron-sputtering deposited WTefor an ultrafast thulium-doped fiber laser. *Optics Letters*, **2017**, 42, 5010-5013	3	62
145	Robust Whispering-Gallery-Mode Microbubble Lasers from Colloidal Quantum Dots. *Nano Letters*, **2017**, 17, 2640-2646	11.5	60
144	Mechanism studies on the superior optical limiting observed in graphene oxide covalently functionalized with upconversion NaYF□Yb□+/Er□+ nanoparticles. *Small*, **2012**, 8, 2163-8	11	56
143	Spectroscopic studies of chiral perovskite nanocrystals. *Applied Physics Letters*, **2017**, 111, 151102	3.4	50

142	Z-scan determination of third-order nonlinear optical nonlinearity of three azobenzenes doped polymer films. *Optics Communications*, **2007**, 275, 240-244	2	50
141	Nitric oxide activatable photosensitizer accompanying extremely elevated two-photon absorption for efficient fluorescence imaging and photodynamic therapy. *Chemical Science*, **2018**, 9, 999-1005	9.4	47
140	Manipulating Nonradiative Decay Channel by Intermolecular Charge Transfer for Exceptionally Improved Photothermal Conversion. *ACS Nano*, **2019**, 13, 12006-12014	16.7	46
139	Strong two-photon absorption of Mn-doped CsPbCl3 perovskite nanocrystals. *Applied Physics Letters*, **2017**, 111, 211105	3.4	46
138	Manipulation of Surface Plasmon Resonance in Sub-Stoichiometry Molybdenum Oxide Nanodots through Charge Carrier Control Technique. *Journal of Physical Chemistry C*, **2017**, 121, 5208-5214	3.8	45
137	Stimuli-Responsive Reversible Switching of Intersystem Crossing in Pure Organic Material for Smart Photodynamic Therapy. *Angewandte Chemie - International Edition*, **2019**, 58, 11105-11111	16.4	45
136	Hafnium Sulfide Nanosheets for Ultrafast Photonic Device. *Advanced Optical Materials*, **2019**, 7, 1801303	8.1	42
135	Near resonant and nonresonant third-order optical nonlinearities of colloidal InP/ZnS quantum dots. *Applied Physics Letters*, **2013**, 102, 021917	3.4	41
134	Multicolor lasing prints. *Applied Physics Letters*, **2015**, 107, 221103	3.4	40
133	Three-photon-excited luminescence from unsymmetrical cyanostilbene aggregates: morphology tuning and targeted bioimaging. *ACS Nano*, **2015**, 9, 4796-805	16.7	40
132	Uniaxial tensile strain and exciton□phonon coupling in bent ZnO nanowires. *Applied Physics Letters*, **2011**, 98, 241916	3.4	39
131	□nSe wideband optical modulator for pulsed fiber lasers. *Optics Letters*, **2018**, 43, 4417-4420	3	39
130	Inner salt-shaped small molecular photosensitizer with extremely enhanced two-photon absorption for mitochondrial-targeted photodynamic therapy. *Chemical Communications*, **2017**, 53, 1680-1683	5.8	38
129	Tunable Chiroptical Properties from the Plasmonic Band to Metal-Ligand Charge Transfer Band of Cysteine-Capped Molybdenum Oxide Nanoparticles. *Angewandte Chemie - International Edition*, **2018**, 57, 10236-10240	16.4	35
128	Giant Nonlinear Optical Response in 2D Perovskite Heterostructures. *Advanced Optical Materials*, **2019**, 7, 1900398	8.1	34
127	Nonlinear optical response of Au and Ag nanoparticles doped polyvinylpyrrolidone thin films. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 592-595	2.3	33
126	All-inorganic copper(i)-based ternary metal halides: promising materials toward optoelectronics. *Nanoscale*, **2020**, 12, 15560-15576	7.7	33
125	Polyoxometalate-Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater. *Advanced Functional Materials*, **2018**, 29, 1805893	15.6	31

124	Optically active plasmonic resonance in self-assembled nanostructures. *Materials Chemistry Frontiers*, **2018**, 2, 662-678	7.8	30
123	Ultrafast optical nonlinearity of blue-emitting perovskite nanocrystals. *Photonics Research*, **2018**, 6, 554	6	30
122	Autonomous discovery of optically active chiral inorganic perovskite nanocrystals through an intelligent cloud lab. *Nature Communications*, **2020**, 11, 2046	17.4	28
121	Efficient Energy Transfer under Two-Photon Excitation in a 3D, Supramolecular, Zn(II)-Coordinated, Self-Assembled Organic Network. *Advanced Optical Materials*, **2014**, 2, 40-47	8.1	28
120	Highly Enhanced Normalized-Volume Multiphoton Absorption in CsPbBr3 2D Nanoplates. *Advanced Optical Materials*, **2018**, 6, 1800843	8.1	28
119	Two-photon-pumped stimulated emission from ZnO single crystal. *Applied Physics Letters*, **2011**, 99, 081902	3.4	27
118	Linear and nonlinear optical characteristics of all-inorganic perovskite CsPbBr quantum dots modified by hydrophobic zeolites. *Nanoscale*, **2018**, 10, 22766-22774	7.7	27
117	The study on the nonlinear optical response of Sudan I. *Optics Communications*, **2008**, 281, 4121-4125	2	26
116	Direct Visualization of Chiral Amplification of Chiral Aggregation Induced Emission Molecules in Nematic Liquid Crystals. *ACS Nano*, **2021**, 15, 4956-4966	16.7	26
115	An organic dye with very large Stokes-shift and broad tunability of fluorescence: Potential two-photon probe for bioimaging and ultra-sensitive solid-state gas sensor. *Applied Physics Letters*, **2016**, 108, 011901	3.4	26
114	Giant nonlinear optical activity in two-dimensional palladium diselenide. *Nature Communications*, **2021**, 12, 1083	17.4	26
113	Comparison Studies of the Linear and Nonlinear Optical Properties of $CsPbBrxI3_{\square}$ Nanocrystals: The Influence of Dimensionality and Composition. *Journal of Physical Chemistry C*, **2019**, 123, 9538-9543	3.8	25
112	The Progress and Perspective of Organic Molecules With Switchable Circularly Polarized Luminescence. *Frontiers in Chemistry*, **2020**, 8, 458	5	25
111	Concise synthesis and two-photon-excited deep-blue emission of 1,8-diazapyrenes. *Chemistry - an Asian Journal*, **2012**, 7, 2090-5	4.5	25
110	Reconfigurable Liquid Whispering Gallery Mode Microlasers. *Scientific Reports*, **2016**, 6, 27200	4.9	25
109	Structure and Charge Carrier Dynamics in Colloidal PbS Quantum Dot Solids. *Journal of Physical Chemistry Letters*, **2019**, 10, 2058-2065	6.4	23
108	A near-infrared I emissive dye: toward the application of saturable absorber and multiphoton fluorescence microscopy in the deep-tissue imaging window. *Chemical Communications*, **2019**, 55, 5111-5114	5.8	23
107	Biocompatible Two-Photon Absorbing Dipyridyldiketopyrrolopyrroles for Metal-Ion-Mediated Self-Assembly Modulation and Fluorescence Imaging. *Advanced Optical Materials*, **2016**, 4, 746-755	8.1	23

106	Large two-photon absorption of terpyridine-based quadrupolar derivatives: towards their applications in optical limiting and biological imaging. *Chemistry - an Asian Journal*, **2013**, 8, 564-71	4.5	22
105	Enhanced Optical Nonlinearity in Noncovalently Functionalized Amphiphilic Graphene Composites. *ChemPlusChem*, **2012**, 77, 688-693	2.8	22
104	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. *Nanoscale*, **2019**, 11, 9327-9334	7.7	21
103	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. *Angewandte Chemie - International Edition*, **2021**, 60, 8441-8445	16.4	21
102	Electrocatalytic Hydrogen Production: Polyoxometalate-Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater (Adv. Funct. Mater. 8/2019). *Advanced Functional Materials*, **2019**, 29, 1970046	15.6	20
101	Poly(Acrylic Acid)-Capped and Dye-Loaded Graphene Oxide-Mesoporous Silica: A Nano-Sandwich for Two-Photon and Photoacoustic Dual-Mode Imaging. *Particle and Particle Systems Characterization*, **2014**, 31, 1060-1066	3.1	20
100	Multiphoton Harvesting in an Angular Carbazole-Containing Zn(II)-Coordinated Random Copolymer Mediated by Twisted Intramolecular Charge Transfer State. *Macromolecules*, **2014**, 47, 1316-1324	5.5	20
99	Oxidation-Resistant Black Phosphorus Enable Highly Ambient-Stable Ultrafast Pulse Generation at a 2 ħ Tm/Ho-Doped Fiber Laser. *ACS Applied Materials & Interfaces*, **2019**, 11, 36854-36862	9.5	19
98	The nonlinear optical property and photoinduced anisotropy of a novel azobenzene-containing fluorinated polyimide. *Applied Physics B: Lasers and Optics*, **2009**, 94, 653-659	1.9	18
97	Superior multiphoton absorption properties in colloidal Mn-doped CsPbCl3 two-dimensional nanoplatelets. *Photonics Research*, **2018**, 6, 1021	6	18
96	Ultra-stable pulse generation in ytterbium-doped fiber laser based on black phosphorus. *Nanoscale Advances*, **2019**, 1, 195-202	5.1	16
95	Wavelength dependence of optical nonlinearity of terpyridine-based Zn(II)-coordinated rigid linear polymers. *Applied Physics Letters*, **2012**, 101, 213302	3.4	16
94	Third-order nonlinear optical response of silicon nanostructures dispersed in organic solvent under 1064nm and 532nm laser excitations. *Optics Communications*, **2007**, 270, 391-395	2	16
93	Spectral Dynamics and Multiphoton Absorption Properties of All-Inorganic Perovskite Nanorods. *Journal of Physical Chemistry Letters*, **2020**, 11, 4817-4825	6.4	15
92	A three-photon probe with dual emission colors for imaging of Zn(II) ions in living cells. *Chemical Communications*, **2014**, 50, 14378-81	5.8	15
91	Chiral Transition Metal Oxides: Synthesis, Chiral Origins, and Perspectives. *Advanced Materials*, **2020**, 32, e1905585	24	15
90	Superior optical nonlinearity of an exceptional fluorescent stilbene dye. *Applied Physics Letters*, **2015**, 106, 111904	3.4	14
89	Thermally activated delayed fluorescence organic dots for two-photon fluorescence lifetime imaging. *Applied Physics Letters*, **2018**, 112, 211102	3.4	14

88	Strong nonlinear optical phosphorescence from water-soluble polymer dots: Towards the application of two-photon bioimaging. *Dyes and Pigments*, **2015**, 123, 218-221	4.6	13
87	Ligand-Induced Chirality in Asymmetric CdSe/CdS Nanostructures: A Close Look at Chiral Tadpoles. *ACS Nano*, **2020**, 14, 10346-10358	16.7	13
86	Water-soluble chiral tetrazine derivatives: towards the application of circularly polarized luminescence from upper-excited states to photodynamic therapy. *Chemical Science*, **2019**, 10, 4163-4168	9.4	12
85	Multiphoton absorption in low-dimensional cesium copper iodide single crystals. *Journal of Materials Chemistry C*, **2020**, 8, 16923-16929	7.1	12
84	Tunable Chiroptical Properties from the Plasmonic Band to Metal Ligand Charge Transfer Band of Cysteine-Capped Molybdenum Oxide Nanoparticles. *Angewandte Chemie*, **2018**, 130, 10393-10397	3.6	12
83	Group IIIA/IVA monochalcogenides nanosheets for ultrafast photonics. *APL Photonics*, **2019**, 4, 090801	5.2	12
82	Photoinduced anisotropy and polarization holography in a stilbene-containing fluorinated polyimide. *Optics Letters*, **2009**, 34, 665-7	3	12
81	Study on the nonlinear optical properties of three azo dyes by Z-scan measurements. *Journal of Modern Optics*, **2008**, 55, 3013-3020	1.1	12
80	Giant two- to five-photon absorption in CsPbBrI two-dimensional nanoplatelets. *Optics Letters*, **2019**, 44, 3873-3876	3	12
79	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. *Nanoscale*, **2019**, 11, 15245-15252	7.7	10
78	Nonlinear optical properties of an azo-based dye irradiated by picosecond and nanosecond laser pulses. *Physica B: Condensed Matter*, **2011**, 406, 488-493	2.8	10
77	Sb2Te3 mode-locked ultrafast fiber laser at 1.93 μm. *Chinese Physics B*, **2018**, 27, 084214	1.2	9
76	Influence of H-Bonding on Self-Assembly and Tunable Dual-Emission of Carbazole-Based Zn(II)-Terpyridine Metallocycles. *Macromolecular Chemistry and Physics*, **2014**, 215, 753-762	2.6	9
75	VIBRATIONAL MODES STUDY OF METHYL ORANGE USING SERS-MEASUREMENT AND THE DFT METHOD. *Modern Physics Letters B*, **2008**, 22, 2869-2879	1.6	9
74	A study of surface enhanced Raman scattering for furfural adsorbed on silver surface. *Journal of Molecular Structure*, **2008**, 873, 1-4	3.4	9
73	Infrared response in photocatalytic polymeric carbon nitride for water splitting via an upconversion mechanism. *Communications Materials*, **2020**, 1,	6	9
72	A Three-Photon Active Organic Fluorophore for Deep Tissue Ratiometric Imaging of Intracellular Divalent Zinc. *Chemistry - an Asian Journal*, **2016**, 11, 1523-7	4.5	9
71	Influence of the Organic Chain on the Optical Properties of Two-Dimensional Organic–Inorganic Hybrid Lead Iodide Perovskites. *ACS Applied Electronic Materials*, **2019**, 1, 2253-2259	4	8

70	Stimuli-Responsive Reversible Switching of Intersystem Crossing in Pure Organic Material for Smart Photodynamic Therapy. *Angewandte Chemie*, **2019**, 131, 11222-11228	3.6	8
69	Enhancement of two-photon absorption and photoinduced birefringence in methyl orange by Au nanoparticles. *Optics and Laser Technology*, **2011**, 43, 974-977	4.2	8
68	Third-order nonlinear optical properties of a dmit2 salt by Z-scan technique. *Journal of Modern Optics*, **2007**, 54, 2763-2768	1.1	8
67	Ultrathin Single-Crystalline 2D Perovskite Photoconductor for High-Performance Narrowband and Wide Linear Dynamic Range Photodetection. *Small*, **2020**, 16, e2005626	11	8
66	Plasmon-induced hot electron transfer in AgNW@TiO@AuNPs nanostructures. *Scientific Reports*, **2018**, 8, 14136	4.9	8
65	Multiphoton absorption of three chiral diketopyrrolopyrrole derivatives in near-infrared window I and II. *Optical Materials Express*, **2017**, 7, 3529	2.6	7
64	Z-scan study of optical nonlinearities in two fullerene derivatives. *Optics Communications*, **2009**, 282, 4271-4275	2	7
63	Resonant electronic nonlinearity and laser heating induced nonlinearity of chlorophosphonazo I. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2008**, 372, 3937-3940	2.3	7
62	Two-Photon-Induced Charge-Variable Conjugated Polyelectrolyte Brushes for Effective Gene Silencing.. *ACS Applied Bio Materials*, **2019**, 2, 1676-1685	4.1	6
61	Ultrafast Pulse Generation for Er- and Tm- Doped Fiber Lasers With Sb Thin Film Saturable Absorber. *Journal of Lightwave Technology*, **2020**, 38, 3710-3716	4	6
60	Heteroatom-Containing Organic Molecule for Two-Photon Fluorescence Lifetime Imaging and Photodynamic Therapy. *Journal of Physical Chemistry C*, **2018**, 122, 20945-20951	3.8	6
59	Ultrafast Dynamics of Photoexcited Hot Carrier Generation and Injection in 2@GNS Nanostructures. *Journal of Physical Chemistry C*, **2018**, 122, 14857-14864	3.8	6
58	Ultrafast Charge Carrier Dynamics and Nonlinear Optical Absorption of InP/ZnS Core Shell Colloidal Quantum Dots. *Journal of Physical Chemistry C*, **2019**, 123, 27207-27213	3.8	6
57	Nonlinear-Optical and Fluorescent Properties of Ag Aqueous Colloid Prepared by Silver Nitrate Reduction. *Journal of Nanomaterials*, **2010**, 2010, 1-7	3.2	6
56	The nonlinear optical properties and photoinduced anisotropy of a novel stilbene-containing fluorinated polyimide. *Dyes and Pigments*, **2009**, 82, 47-52	4.6	6
55	Nonlinear optical properties and photoinduced anisotropy of an azobenzene ionic liquid crystalline polymer. *Optics Communications*, **2010**, 283, 146-150	2	6
54	Third-order nonlinear response of Ag/methyl orange composite thin films. *Journal of Modern Optics* , **2008**, 55, 975-983	1.1	6
53	In Situ Determination of Polaron-Mediated Ultrafast Electron Trapping in Rutile TiO Nanorod Photoanodes. *Journal of Physical Chemistry Letters*, **2021**, 12, 10815-10822	6.4	6

52	Photophysical Properties of Zn-Alloyed CsPbI3 Nanocrystals. *Journal of Physical Chemistry C*, **2020**, 124, 27169-27175	3.8	6
51	Clarifying Ultrafast Carrier Dynamics in Ultrathin Films of the Topological Insulator Bi2Se3 Using Transient Absorption Spectroscopy. *ACS Photonics*, **2021**, 8, 1191-1205	6.3	6
50	A Bioinspired, Sustained-Release Material in Response to Internal Signals for Biphasic Chemical Sensing in Wound Therapy. *Advanced Healthcare Materials*, **2021**, 10, e2001267	10.1	6
49	Few-layer metal monochalcogenide saturable absorbers for high-energy Q-switched pulse generation. *Nanotechnology*, **2020**, 31, 205204	3.4	5
48	Effects of Material Dimensionality on the Optical Properties of CsPbBr3 Nanomaterials. *Journal of Physical Chemistry C*, **2019**, 123, 28893-28897	3.8	5
47	Nonlinear absorption in an azo-containing ion liquid crystal polymer in the different excitation regimes. *Synthetic Metals*, **2010**, 160, 1896-1901	3.6	5
46	Nonlinear refraction and photoinduced birefringence in chlorophosphonazo I doped polymer thin films. *Physica B: Condensed Matter*, **2008**, 403, 2991-2995	2.8	5
45	Regulating Optical Activity and Anisotropic Second-Harmonic Generation in Zero-Dimensional Hybrid Copper Halides.. *Nano Letters*, **2022**,	11.5	5
44	Strong multiphoton absorption in chiral CdSe/CdS dot/rod nanocrystal-doped poly(vinyl alcohol) films. *Optics Letters*, **2019**, 44, 2256-2259	3	5
43	Influence of mixed organic cations on the nonlinear optical properties of lead tri-iodide perovskites. *Photonics Research*, **2020**, 8, A25	6	5
42	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. *Angewandte Chemie*, **2021**, 133, 8522-8526	3.6	5
41	Photophysical Properties of Water-Soluble CdTe/CdSe/ZnS Core/Shell/Shell Nanocrystals Emitting at 820 nm. *Journal of Physical Chemistry C*, **2020**, 124, 7994-7999	3.8	4
40	Drying-mediated optical assembly of silica spheres in a symmetrical metallic waveguide structure. *Optics Letters*, **2017**, 42, 2960-2963	3	4
39	Strong multiphoton absorption properties of one styrylpyridinium salt in a highly polar solvent. *Optics Express*, **2016**, 24, 11091-102	3.3	4
38	The PDMS-based microfluidic channel fabricated by synchrotron radiation stimulated etching. *Optics Express*, **2010**, 18, 9733-8	3.3	4
37	Effective degradation of refractory nitrobenzene in water by the natural 4-hydroxycoumarin under solar illumination. *Chemosphere*, **2019**, 215, 199-205	8.4	4
36	Spectral and Nonlinear Optical Properties of Quasi-Type II CdSe/CdS Nanotadpoles. *Journal of Physical Chemistry C*, **2020**, 124, 27840-27847	3.8	3
35	Efficient multiphoton absorption of near-infrared emitting Cu-doped ZnInS/ZnS nanocrystals. *Journal Physics D: Applied Physics*, **2020**, 53, 255103	3	3

34	SERS-measured and DFT-calculated vibrational spectra of p-Aminoazobenzene. *EPJ Applied Physics*, **2007**, 38, 15-19	1.1	3
33	Observing dynamic and static Rashba effects in a thin layer of 3D hybrid perovskite nanocrystals using transient absorption spectroscopy. *AIP Advances*, **2020**, 10, 105034	1.5	3
32	Optically Active CdSe/CdS Nanoplatelets Exhibiting Both Circular Dichroism and Circularly Polarized Luminescence. *Advanced Optical Materials*, **2021**, 9, 2101142	8.1	3
31	Metal-to-Ligand Charge Transfer Chirality Sensing of d-Glucose Assisted with GOX-Based Enzymatic Reaction. *Advanced Materials Technologies*, **2020**, 5, 2000138	6.8	2
30	Surface metal-ion-functionalized carbon dots and their application in pH sensing. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	2
29	Chiral thiophene derivatives with optimal two-photon absorption in near-infrared window I and II. *International Journal of Quantum Chemistry*, **2018**, 118, e25690	2.1	2
28	Nonlinear Optics: Efficient Energy Transfer under Two-Photon Excitation in a 3D, Supramolecular, Zn(II)-Coordinated, Self-Assembled Organic Network (Advanced Optical Materials 1/2014). *Advanced Optical Materials*, **2014**, 2, 39-39	8.1	2
27	Design and chiroptical properties of a water-soluble and violet-blue emissive alkyne template. *Synthetic Metals*, **2017**, 234, 132-138	3.6	2
26	Imaging: Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice (Adv. Mater. 32/2014). *Advanced Materials*, **2014**, 26, 5632-5632	24	2
25	Advances in single crystals and thin films of chiral hybrid metal halides. *Progress in Quantum Electronics*, **2022**, 100375	9.1	2
24	Comparison studies of excitonic properties and multiphoton absorption of near-infrared-I-emitting Cu-doped InP and InP/ZnSe nanocrystals. *Optics Letters*, **2020**, 45, 1350-1353	3	2
23	Dynamic Opening of a Gap in Dirac Surface States of the Thin-Film 3D Topological Insulator BiSe Driven by the Dynamic Rashba Effect. *Journal of Physical Chemistry Letters*, **2021**, 12, 5593-5600	6.4	2
22	Unusual Fluorescent Properties of Stilbene Units and CdZnS/ZnS Quantum Dots Nanocomposites: White-Light Emission in Solution versus Light-Harvesting in Films. *Macromolecular Chemistry and Physics*, **2016**, 217, 24-31	2.6	2
21	Large Nonlinear Optical Activity of a Near-infrared-absorbing Bithiophene-based Polymer with a Head-to-head Linkage. *Chemistry - an Asian Journal*, **2021**, 16, 309-314	4.5	2
20	Photochemical Synthesis of Nonplanar Small Molecules with Ultrafast Nonradiative Decay for Highly Efficient Phototheranostics. *Advanced Materials*, **2021**, 33, e2102799	24	2
19	All-optical high spatial-temporal resolution photography with raster principle at 2 trillion frames per second. *Optics Express*, **2021**, 29, 27298-27308	3.3	2
18	Circularly Polarized Light Source from Self-Assembled Hybrid Nanoarchitecture. *Advanced Optical Materials*,2200761	8.1	2
17	Third-Order Nonlinear Optical Properties of a Series of Polythiophenes. *Chinese Physics Letters*, **2010**, 27, 074201	1.8	1

16	Z-SCAN STUDIES OF THE NONLINEAR OPTICAL PROPERTIES OF GOLD AQUEOUS COLLOID PREPARED BY THE CHEMICAL REACTION METHOD. *Modern Physics Letters B*, **2011**, 25, 1219-1227	1.6	1
15	The Analysis of Breach Path Problem in Wireless Sensor Networks with Blind Area **2009**,		1
14	Synchrotron-radiation-stimulated etching of polydimethylsiloxane using XeF(2) as a reaction gas. *Journal of Synchrotron Radiation*, **2010**, 17, 69-74	2.4	1
13	Barrier Coverage of Wireless Sensor Networks Based on Clifford Algebra **2008**,		1
12	A STUDY ON THE SECOND-ORDER NONLINEAR OPTICAL PROPERTIES OF AZO-DYE CHROMOPHORES CONTAINING THE ELECTRON-ACCEPTOR GROUP. *Modern Physics Letters B*, **2008** , 22, 1633-1640	1.6	1
11	Third-order optical nonlinearity of azobenzene side-chain polymer thin film. *Physica Status Solidi (B): Basic Research*, **2007**, 244, 2166-2171	1.3	1
10	Promoting near-infrared photocatalytic activity of carbon-doped carbon nitride via solid alkali activation. *Chinese Chemical Letters*, **2021**,	8.1	1
9	Coherent surface-to-bulk vibrational coupling in the 2D topologically trivial insulator BiSe monitored by ultrafast transient absorption spectroscopy.. *Scientific Reports*, **2022**, 12, 4722	4.9	1
8	Quasi-Type II Core-Shell Perovskite Nanocrystals for Improved Structural Stability and Optical Gain. *ACS Applied Materials & Interfaces*, **2021**, 13, 58170-58178	9.5	0
7	Linear and nonlinear photophysical properties of ZnSe/CdS/ZnS core/shell/shell type II nanocrystals. *Photonics Research*, **2020**, 8, 1416	6	0
6	Metal-to-ligand charge transfer chirality-based sensing of mercury ions. *Photonics Research*, **2021**, 9, 213	6	0
5	Chiroptical Transitions of Enantiomeric Ligand-Activated Nickel Oxides.. *Small*, **2022**, e2107570	11	0
4	Quantum Dots: Blue Liquid Lasers from Solution of CdZnS/ZnS Ternary Alloy Quantum Dots with Quasi-Continuous Pumping (Adv. Mater. 1/2015). *Advanced Materials*, **2015**, 27, 168-168	24	
3	Photophysical and electrochemical properties of donor-acceptor conjugated oligomers based on 3,4-ethylenedioxythiophene and deficient rings. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 11211-5	1.3	
2	Photoinduced changes in a Sudan□ doped PMMA thin film. *EPJ Applied Physics*, **2008**, 44, 277-281	1.1	
1	Strongly enhanced photoluminescence and X-ray excited optical luminescence of the hydrothermally crystallized (Sr,Mn)5(PO4)3(F,Cl) nanorods by composition modulating. *Journal of Alloys and Compounds*, **2021**, 855, 157529	5.7	