

# Tingchao He

## List of Publications by Year in descending order

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168  
papers

5,009  
citations

71061

41  
h-index

118793

62  
g-index

173  
all docs

173  
docs citations

173  
times ranked

6621  
citing authors

#	ARTICLE	IF	CITATIONS
1	TiO <sub>2</sub> /(CdS, CdSe, CdSeS) Nanorod Heterostructures and Photoelectrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11956-11963.	1.5	241
2	Stimulated Emission and Lasing from CdSe/CdS/ZnS Core-Shell Quantum Dots by Simultaneous Three-Photon Absorption. <i>Advanced Materials</i> , 2014, 26, 2954-2961.	11.1	172
3	Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice. <i>Advanced Materials</i> , 2014, 26, 5633-5638.	11.1	158
4	High energy soliton pulse generation by a magnetron-sputtering-deposition-grown MoTe <sub>2</sub> saturable absorber. <i>Photonics Research</i> , 2018, 6, 535.	3.4	128
5	Blue Liquid Lasers from Solution of CdZnS/ZnS Ternary Alloy Quantum Dots with Quasi-Continuous Pumping. <i>Advanced Materials</i> , 2015, 27, 169-175.	11.1	127
6	Enhancing Organic Phosphorescence by Manipulating Heavy-Atom Interaction. <i>Crystal Growth and Design</i> , 2016, 16, 808-813.	1.4	122
7	Deciphering the intersystem crossing in near-infrared BODIPY photosensitizers for highly efficient photodynamic therapy. <i>Chemical Science</i> , 2019, 10, 3096-3102.	3.7	113
8	Optically Active CdSe-Dot/CdS-Rod Nanocrystals with Induced Chirality and Circularly Polarized Luminescence. <i>ACS Nano</i> , 2018, 12, 5341-5350.	7.3	102
9	Mode-locked thulium-doped fiber laser with chemical vapor deposited molybdenum ditelluride. <i>Optics Letters</i> , 2018, 43, 1998.	1.7	93
10	A study of the thermal-induced nonlinearity of Au and Ag colloids prepared by the chemical reaction method. <i>Optics and Laser Technology</i> , 2008, 40, 936-940.	2.2	89
11	Exciton Localization and Optical Properties Improvement in Nanocrystal-Embedded ZnO Core-Shell Nanowires. <i>Nano Letters</i> , 2013, 13, 734-739.	4.5	85
12	Manipulating Nonradiative Decay Channel by Intermolecular Charge Transfer for Exceptionally Improved Photothermal Conversion. <i>ACS Nano</i> , 2019, 13, 12006-12014.	7.3	84
13	Robust Whispering-Gallery-Mode Microbubble Lasers from Colloidal Quantum Dots. <i>Nano Letters</i> , 2017, 17, 2640-2646.	4.5	83
14	Magnetron-sputtering deposited WTe <sub>2</sub> for an ultrafast thulium-doped fiber laser. <i>Optics Letters</i> , 2017, 42, 5010.	1.7	81
15	Nanocomposites of Graphene Oxide and Upconversion Rare-Earth Nanocrystals with Superior Optical Limiting Performance. <i>Small</i> , 2012, 8, 2271-2276.	5.2	79
16	Spectroscopic studies of chiral perovskite nanocrystals. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	77
17	Autonomous discovery of optically active chiral inorganic perovskite nanocrystals through an intelligent cloud lab. <i>Nature Communications</i> , 2020, 11, 2046.	5.8	77
18	Giant nonlinear optical activity in two-dimensional palladium diselenide. <i>Nature Communications</i> , 2021, 12, 1083.	5.8	76

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19	Stimuli-Responsive Reversible Switching of Intersystem Crossing in Pure Organic Material for Smart Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11105-11111.	7.2	72
20	SERS enhancement dependence on the diameter and aspect ratio of silver-nanowire array fabricated by anodic aluminium oxide template. <i>Applied Surface Science</i> , 2008, 255, 1901-1905.	3.1	71
21	Direct Visualization of Chiral Amplification of Chiral Aggregation Induced Emission Molecules in Nematic Liquid Crystals. <i>ACS Nano</i> , 2021, 15, 4956-4966.	7.3	71
22	Polyoxometalate-Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater. <i>Advanced Functional Materials</i> , 2019, 29, 1805893.	7.8	69
23	Nitric oxide activatable photosensitizer accompanying extremely elevated two-photon absorption for efficient fluorescence imaging and photodynamic therapy. <i>Chemical Science</i> , 2018, 9, 999-1005.	3.7	62
24	Hafnium Sulfide Nanosheets for Ultrafast Photonic Device. <i>Advanced Optical Materials</i> , 2019, 7, 1801303.	3.6	60
25	All-inorganic copper( $\text{Cu}^{\text{I}}$ )-based ternary metal halides: promising materials toward optoelectronics. <i>Nanoscale</i> , 2020, 12, 15560-15576.	2.8	60
26	Mechanism Studies on the Superior Optical Limiting Observed in Graphene Oxide Covalently Functionalized with Upconversion $\text{NaYF}_4:\text{Yb}^{3+}/\text{Er}^{3+}$ Nanoparticles. <i>Small</i> , 2012, 8, 2163-2168.	5.2	59
27	Manipulation of Surface Plasmon Resonance in Sub-Stoichiometry Molybdenum Oxide Nanodots through Charge Carrier Control Technique. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5208-5214.	1.5	58
28	Giant Nonlinear Optical Response in 2D Perovskite Heterostructures. <i>Advanced Optical Materials</i> , 2019, 7, 1900398.	3.6	58
29	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8441-8445.	7.2	57
30	Strong two-photon absorption of Mn-doped $\text{CsPbCl}_3$ perovskite nanocrystals. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	55
31	Z-scan determination of third-order nonlinear optical nonlinearity of three azobenzenes doped polymer films. <i>Optics Communications</i> , 2007, 275, 240-244.	1.0	54
32	Tunable Chiroptical Properties from the Plasmonic Band to Metal-Ligand Charge Transfer Band of Cysteine-Capped Molybdenum Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10236-10240.	7.2	53
33	Three-Photon-Excited Luminescence from Unsymmetrical Cyanostilbene Aggregates: Morphology Tuning and Targeted Bioimaging. <i>ACS Nano</i> , 2015, 9, 4796-4805.	7.3	51
34	Near resonant and nonresonant third-order optical nonlinearities of colloidal $\text{InP}/\text{ZnS}$ quantum dots. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	48
35	Ultrafast optical nonlinearity of blue-emitting perovskite nanocrystals. <i>Photonics Research</i> , 2018, 6, 554.	3.4	48
36	The Progress and Perspective of Organic Molecules With Switchable Circularly Polarized Luminescence. <i>Frontiers in Chemistry</i> , 2020, 8, 458.	1.8	48

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37	Multicolor lasing prints. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	47
38	Inner salt-shaped small molecular photosensitizer with extremely enhanced two-photon absorption for mitochondrial-targeted photodynamic therapy. <i>Chemical Communications</i> , 2017, 53, 1680-1683.	2.2	46
39	Ligand-Induced Chirality in Asymmetric CdSe/CdS Nanostructures: A Close Look at Chiral Tadpoles. <i>ACS Nano</i> , 2020, 14, 10346-10358.	7.3	45
40	$\text{In}_2\text{Se}_3$ wideband optical modulator for pulsed fiber lasers. <i>Optics Letters</i> , 2018, 43, 4417.	1.7	44
41	Regulating Optical Activity and Anisotropic Second-Harmonic Generation in Zero-Dimensional Hybrid Copper Halides. <i>Nano Letters</i> , 2022, 22, 846-852.	4.5	44
42	Uniaxial tensile strain and exciton-phonon coupling in bent ZnO nanowires. <i>Applied Physics Letters</i> , 2011, 98, 241916.	1.5	42
43	Chiral Transition Metal Oxides: Synthesis, Chiral Origins, and Perspectives. <i>Advanced Materials</i> , 2020, 32, e1905585.	11.1	40
44	Optically active plasmonic resonance in self-assembled nanostructures. <i>Materials Chemistry Frontiers</i> , 2018, 2, 662-678.	3.2	39
45	Highly Enhanced Normalized Volume Multiphoton Absorption in $\text{CsPbBr}_3$ 2D Nanoplates. <i>Advanced Optical Materials</i> , 2018, 6, 1800843.	3.6	39
46	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. <i>Nanoscale</i> , 2019, 11, 9327-9334.	2.8	39
47	Comparison Studies of the Linear and Nonlinear Optical Properties of $\text{CsPbBr}_3$ Nanocrystals: The Influence of Dimensionality and Composition. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9538-9543.	1.5	38
48	Oxidation-Resistant Black Phosphorus Enable Highly Ambient-Stable Ultrafast Pulse Generation at a $2\ \mu\text{m}$ Tm/Ho-Doped Fiber Laser. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 36854-36862.	4.0	36
49	Nonlinear optical response of Au and Ag nanoparticles doped polyvinylpyrrolidone thin films. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 592-595.	0.9	34
50	Structure and Charge Carrier Dynamics in Colloidal PbS Quantum Dot Solids. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2058-2065.	2.1	34
51	Linear and nonlinear optical characteristics of all-inorganic perovskite $\text{CsPbBr}_3$ quantum dots modified by hydrophobic zeolites. <i>Nanoscale</i> , 2018, 10, 22766-22774.	2.8	33
52	Multiphoton absorption in low-dimensional cesium copper iodide single crystals. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16923-16929.	2.7	33
53	Ultra-stable pulse generation in ytterbium-doped fiber laser based on black phosphorus. <i>Nanoscale Advances</i> , 2019, 1, 195-202.	2.2	32
54	A near-infrared emissive dye: toward the application of saturable absorber and multiphoton fluorescence microscopy in the deep-tissue imaging window. <i>Chemical Communications</i> , 2019, 55, 5111-5114.	2.2	32

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55	The study on the nonlinear optical response of Sudan I. Optics Communications, 2008, 281, 4121-4125.	1.0	31
56	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, .	1.5	31
57	Superior multiphoton absorption properties in colloidal Mn-doped CsPbCl <sub>3</sub> two-dimensional nanoplatelets. Photonics Research, 2018, 6, 1021.	3.4	30
58	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.	3.6	29
59	Reconfigurable Liquid Whispering Gallery Mode Microlasers. Scientific Reports, 2016, 6, 27200.	1.6	29
60	Two-photon-pumped stimulated emission from ZnO single crystal. Applied Physics Letters, 2011, 99, .	1.5	28
61	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.	7.8	28
62	Concise Synthesis and Two-Photon-Excited Deep-Blue Emission of 1,8-Diazapyrenes. Chemistry - an Asian Journal, 2012, 7, 2090-2095.	1.7	26
63	Biocompatible Two-Photon Absorbing Dipyrroldiketopyrrolopyrroles for Metal-Ion-Mediated Self-Assembly Modulation and Fluorescence Imaging. Advanced Optical Materials, 2016, 4, 746-755.	3.6	26
64	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. Nanoscale, 2019, 11, 15245-15252.	2.8	26
65	Ultrathin Single-Crystalline 2D Perovskite Photoconductor for High-Performance Narrowband and Wide Linear Dynamic Range Photodetection. Small, 2020, 16, e2005626.	5.2	26
66	Spectral Dynamics and Multiphoton Absorption Properties of All-Inorganic Perovskite Nanorods. Journal of Physical Chemistry Letters, 2020, 11, 4817-4825.	2.1	26
67	Enhanced Optical Nonlinearity in Noncovalently Functionalized Amphiphilic Graphene Composites. ChemPlusChem, 2012, 77, 688-693.	1.3	24
68	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.	1.2	24
69	Large Two-Photon Absorption of Terpyridine-Based Quadrupolar Derivatives: Towards their Applications in Optical Limiting and Biological Imaging. Chemistry - an Asian Journal, 2013, 8, 564-571.	1.7	23
70	Infrared response in photocatalytic polymeric carbon nitride for water splitting via an upconversion mechanism. Communications Materials, 2020, 1, .	2.9	23
71	Promoting near-infrared photocatalytic activity of carbon-doped carbon nitride via solid alkali activation. Chinese Chemical Letters, 2021, 32, 3463-3468.	4.8	21
72	Multiphoton Harvesting in an Angular Carbazole-Containing Zn(II)-Coordinated Random Copolymer Mediated by Twisted Intramolecular Charge Transfer State. Macromolecules, 2014, 47, 1316-1324.	2.2	20

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73	Thermally activated delayed fluorescence organic dots for two-photon fluorescence lifetime imaging. <i>Applied Physics Letters</i> , 2018, 112, 211102.	1.5	20
74	Clarifying Ultrafast Carrier Dynamics in Ultrathin Films of the Topological Insulator Bi <sub>2</sub> Se <sub>3</sub> Using Transient Absorption Spectroscopy. <i>ACS Photonics</i> , 2021, 8, 1191-1205.	3.2	20
75	Third-order nonlinear optical response of silicon nanostructures dispersed in organic solvent under 1064nm and 532nm laser excitations. <i>Optics Communications</i> , 2007, 270, 391-395.	1.0	19
76	The nonlinear optical property and photoinduced anisotropy of a novel azobenzene-containing fluorinated polyimide. <i>Applied Physics B: Lasers and Optics</i> , 2009, 94, 653-659.	1.1	19
77	Water-soluble chiral tetrazine derivatives: towards the application of circularly polarized luminescence from upper-excited states to photodynamic therapy. <i>Chemical Science</i> , 2019, 10, 4163-4168.	3.7	19
78	Giant two- to five-photon absorption in CsPbBr <sub>2</sub> ·0.3 two-dimensional nanoplatelets. <i>Optics Letters</i> , 2019, 44, 3873.	1.7	18
79	Wavelength dependence of optical nonlinearity of terpyridine-based Zn(II)-coordinated rigid linear polymers. <i>Applied Physics Letters</i> , 2012, 101, 213302.	1.5	17
80	Ultrafast Charge Carrier Dynamics and Nonlinear Optical Absorption of InP/ZnS Core-Shell Colloidal Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27207-27213.	1.5	17
81	A three-photon probe with dual emission colors for imaging of Zn(II) ions in living cells. <i>Chemical Communications</i> , 2014, 50, 14378-14381.	2.2	16
82	Group IIIA/IVA monochalcogenides nanosheets for ultrafast photonics. <i>APL Photonics</i> , 2019, 4, 090801.	3.0	16
83	Superior optical nonlinearity of an exceptional fluorescent stilbene dye. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	15
84	Tunable Chiroptical Properties from the Plasmonic Band to Metal-Ligand Charge Transfer Band of Cysteine-Capped Molybdenum Oxide Nanoparticles. <i>Angewandte Chemie</i> , 2018, 130, 10393-10397.	1.6	15
85	Sb <sub>2</sub> Te <sub>3</sub> mode-locked ultrafast fiber laser at 1.93 μm. <i>Chinese Physics B</i> , 2018, 27, 084214.	0.7	15
86	Photochemical Synthesis of Nonplanar Small Molecules with Ultrafast Nonradiative Decay for Highly Efficient Phototheranostics. <i>Advanced Materials</i> , 2021, 33, e2102799.	11.1	15
87	Quasi-Type II Core-Shell Perovskite Nanocrystals for Improved Structural Stability and Optical Gain. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58170-58178.	4.0	15
88	Strong nonlinear optical phosphorescence from water-soluble polymer dots: Towards the application of two-photon bioimaging. <i>Dyes and Pigments</i> , 2015, 123, 218-221.	2.0	14
89	In Situ Determination of Polaron-Mediated Ultrafast Electron Trapping in Rutile TiO <sub>2</sub> Nanorod Photoanodes. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10815-10822.	2.1	14
90	Advances in single crystals and thin films of chiral hybrid metal halides. <i>Progress in Quantum Electronics</i> , 2022, 82, 100375.	3.5	14

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91	Study on the nonlinear optical properties of three azo dyes by Z-scan measurements. Journal of Modern Optics, 2008, 55, 3013-3020.	0.6	13
92	Photoinduced anisotropy and polarization holography in a stilbene-containing fluorinated polyimide. Optics Letters, 2009, 34, 665.	1.7	13
93	Heteroatom-Containing Organic Molecule for Two-Photon Fluorescence Lifetime Imaging and Photodynamic Therapy. Journal of Physical Chemistry C, 2018, 122, 20945-20951.	1.5	13
94	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.	2.0	13
95	Observing dynamic and static Rashba effects in a thin layer of 3D hybrid perovskite nanocrystals using transient absorption spectroscopy. AIP Advances, 2020, 10, .	0.6	13
96	Optically Active CdSe/CdS Nanoplatelets Exhibiting Both Circular Dichroism and Circularly Polarized Luminescence. Advanced Optical Materials, 2021, 9, 2101142.	3.6	13
97	A study of surface enhanced Raman scattering for furfural adsorbed on silver surface. Journal of Molecular Structure, 2008, 873, 1-4.	1.8	12
98	Strong multiphoton absorption in chiral CdSe/CdS dot/rod nanocrystal-doped poly(vinyl alcohol) films. Optics Letters, 2019, 44, 2256.	1.7	12
99	Circularly Polarized Light Source from Self-Assembled Hybrid Nanoarchitecture. Advanced Optical Materials, 2022, 10, .	3.6	12
100	Enhancement of two-photon absorption and photoinduced birefringence in methyl orange by Au nanoparticles. Optics and Laser Technology, 2011, 43, 974-977.	2.2	11
101	Nonlinear optical properties of an azo-based dye irradiated by picosecond and nanosecond laser pulses. Physica B: Condensed Matter, 2011, 406, 488-493.	1.3	11
102	A Three-Photon Active Organic Fluorophore for Deep Tissue Ratiometric Imaging of Intracellular Divalent Zinc. Chemistry - an Asian Journal, 2016, 11, 1523-1527.	1.7	11
103	Plasmon-induced hot electron transfer in AgNW@TiO <sub>2</sub> @AuNPs nanostructures. Scientific Reports, 2018, 8, 14136.	1.6	11
104	Stimuli-Responsive Reversible Switching of Intersystem Crossing in Pure Organic Material for Smart Photodynamic Therapy. Angewandte Chemie, 2019, 131, 11222-11228.	1.6	11
105	Influence of mixed organic cations on the nonlinear optical properties of lead tri-iodide perovskites. Photonics Research, 2020, 8, A25.	3.4	11
106	Third-order nonlinear optical properties of a dmit <sup>2+</sup> salt by Z-scan technique. Journal of Modern Optics, 2007, 54, 2763-2768.	0.6	10
107	Effective degradation of refractory nitrobenzene in water by the natural 4-hydroxycoumarin under solar illumination. Chemosphere, 2019, 215, 199-205.	4.2	10
108	Spectral and Nonlinear Optical Properties of Quasi-Type II CdSe/CdS Nanotadpoles. Journal of Physical Chemistry C, 2020, 124, 27840-27847.	1.5	10

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109	All-optical high spatial-temporal resolution photography with raster principle at 2 trillion frames per second. <i>Optics Express</i> , 2021, 29, 27298.	1.7	10
110	Comparison studies of excitonic properties and multiphoton absorption of near-infrared-I-emitting Cu-doped InP and InP/ZnSe nanocrystals. <i>Optics Letters</i> , 2020, 45, 1350.	1.7	10
111	VIBRATIONAL MODES STUDY OF METHYL ORANGE USING SERS-MEASUREMENT AND THE DFT METHOD. <i>Modern Physics Letters B</i> , 2008, 22, 2869-2879.	1.0	9
112	Influence of H <sub>2</sub> O Bonding on Self-Assembly and Tunable Dual-Emission of Carbazole-Based Zn(II)-Terpyridine Metallocomplexes. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 753-762.	1.1	9
113	Multiphoton absorption of three chiral diketopyrrolopyrrole derivatives in near-infrared window I and II. <i>Optical Materials Express</i> , 2017, 7, 3529.	1.6	9
114	Ultrafast Dynamics of Photoexcited Hot Carrier Generation and Injection in AgNWs@TiO <sub>2</sub> @GNS Nanostructures. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14857-14864.	1.5	9
115	Two-Photon-Induced Charge-Variable Conjugated Polyelectrolyte Brushes for Effective Gene Silencing. <i>ACS Applied Bio Materials</i> , 2019, 2, 1676-1685.	2.3	9
116	Photophysical Properties of Zn-Alloyed CsPbI <sub>3</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27169-27175.	1.5	9
117	A Bioinspired, Sustained-Release Material in Response to Internal Signals for Biphasic Chemical Sensing in Wound Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001267.	3.9	9
118	Optical Properties of Cd-Alloyed CsPbBr <sub>3</sub> Nanorods. <i>Journal of Physical Chemistry C</i> , 2022, 126, 6694-6699.	1.5	9
119	The nonlinear optical properties and photoinduced anisotropy of a novel stilbene-containing fluorinated polyimide. <i>Dyes and Pigments</i> , 2009, 82, 47-52.	2.0	8
120	Effects of Material Dimensionality on the Optical Properties of CsPbBr <sub>3</sub> Nanomaterials. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28893-28897.	1.5	8
121	Photophysical Properties of Water-Soluble CdTe/CdSe/ZnS Core/Shell/Shell Nanocrystals Emitting at 820 nm. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7994-7999.	1.5	8
122	Ultrafast Pulse Generation for Er- and Tm- Doped Fiber Lasers With Sb Thin Film Saturable Absorber. <i>Journal of Lightwave Technology</i> , 2020, 38, 3710-3716.	2.7	8
123	Photophysical Properties of Mn-Doped InP/ZnS Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21748-21753.	1.5	8
124	Enhanced Performance of Two-Photon Excited Amplified Spontaneous Emission by Cd-Alloyed CsPbBr <sub>3</sub> Nanocrystals. <i>Inorganic Chemistry</i> , 2022, 61, 4735-4742.	1.9	8
125	Resonant electronic nonlinearity and laser heating induced nonlinearity of chlorophosphonazo I. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 3937-3940.	0.9	7
126	Third-order nonlinear response of Ag/methyl orange composite thin films. <i>Journal of Modern Optics</i> , 2008, 55, 975-983.	0.6	7



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127	Z-scan study of optical nonlinearities in two fullerene derivatives. <i>Optics Communications</i> , 2009, 282, 4271-4275.	1.0	7
128	Nonlinear-Optical and Fluorescent Properties of Ag Aqueous Colloid Prepared by Silver Nitrate Reduction. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-7.	1.5	7
129	Nonlinear absorption in an azo-containing ion liquid crystal polymer in the different excitation regimes. <i>Synthetic Metals</i> , 2010, 160, 1896-1901.	2.1	7
130	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. <i>Angewandte Chemie</i> , 2021, 133, 8522-8526.	1.6	7
131	Chiroptical Transitions of Enantiomeric Ligand-Activated Nickel Oxides. <i>Small</i> , 2022, 18, e2107570.	5.2	7
132	Nonlinear optical properties and photoinduced anisotropy of an azobenzene ionic liquid-crystalline polymer. <i>Optics Communications</i> , 2010, 283, 146-150.	1.0	6
133	The PDMS-based microfluidic channel fabricated by synchrotron radiation stimulated etching. <i>Optics Express</i> , 2010, 18, 9733.	1.7	6
134	Nonlinear refraction and photoinduced birefringence in chlorophosphonazo I doped polymer thin films. <i>Physica B: Condensed Matter</i> , 2008, 403, 2991-2995.	1.3	5
135	Drying-mediated optical assembly of silica spheres in a symmetrical metallic waveguide structure. <i>Optics Letters</i> , 2017, 42, 2960.	1.7	5
136	Efficient multiphoton absorption of near-infrared emitting Cu-doped ZnInS/ZnS nanocrystals. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 255103.	1.3	5
137	Few-layer metal monochalcogenide saturable absorbers for high-energy Q-switched pulse generation. <i>Nanotechnology</i> , 2020, 31, 205204.	1.3	5
138	Dynamic Opening of a Gap in Dirac Surface States of the Thin-Film 3D Topological Insulator Bi <sub>2</sub> Se <sub>3</sub> Driven by the Dynamic Rashba Effect. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5593-5600.	2.1	5
139	Strong multiphoton absorption properties of one styrylpyridinium salt in a highly polar solvent. <i>Optics Express</i> , 2016, 24, 11091.	1.7	4
140	Metal-Ligand Charge Transfer Chirality Sensing of d-Glucose Assisted with GOX-Based Enzymatic Reaction. <i>Advanced Materials Technologies</i> , 2020, 5, 2000138.	3.0	4
141	Surface metal-ion-functionalized carbon dots and their application in pH sensing. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	4
142	Authentic Intelligent Machine for Scaling Driven Discovery: A Case for Chiral Quantum Dots. <i>ACS Nano</i> , 2022, 16, 1600-1611.	7.3	4
143	Optimizing Optical Properties of Hybrid Core/Shell Perovskite Nanocrystals. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	4
144	SERS-measured and DFT-calculated vibrational spectra of p-Aminoazobenzene. <i>EPJ Applied Physics</i> , 2007, 38, 15-19.	0.3	3

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145	Imaging: Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice (Adv.) Tj ETQq1 1,0.784314 3 rgBT /Ove 11.1		
146	Design and chiroptical properties of a water-soluble and violet-blue emissive alkyne template. <i>Synthetic Metals</i> , 2017, 234, 132-138.	2.1	3
147	Metal-to-ligand charge transfer chirality-based sensing of mercury ions. <i>Photonics Research</i> , 2021, 9, 213.	3.4	3
148	Large Nonlinear Optical Activity of a Near-Infrared-Absorbing Bithiophene-Based Polymer with a Head-to-Head Linkage. <i>Chemistry - an Asian Journal</i> , 2021, 16, 309-314.	1.7	3
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