

Tingchao He

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Advances in single crystals and thin films of chiral hybrid metal halides. <i>Progress in Quantum Electronics</i> , 2022 , 100375	9.1	2
158	Regulating Optical Activity and Anisotropic Second-Harmonic Generation in Zero-Dimensional Hybrid Copper Halides.. <i>Nano Letters</i> , 2022 ,	11.5	5
157	Chiroptical Transitions of Enantiomeric Ligand-Activated Nickel Oxides.. <i>Small</i> , 2022 , e2107570	11	0
156	Coherent surface-to-bulk vibrational coupling in the 2D topologically trivial insulator BiSe monitored by ultrafast transient absorption spectroscopy.. <i>Scientific Reports</i> , 2022 , 12, 4722	4.9	1
155	In Situ Determination of Polaron-Mediated Ultrafast Electron Trapping in Rutile TiO Nanorod Photoanodes. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10815-10822	6.4	6
154	Quasi-Type II Core-Shell Perovskite Nanocrystals for Improved Structural Stability and Optical Gain. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 58170-58178	9.5	0
153	Direct Visualization of Chiral Amplification of Chiral Aggregation Induced Emission Molecules in Nematic Liquid Crystals. <i>ACS Nano</i> , 2021 , 15, 4956-4966	16.7	26
152	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8441-8445	16.4	21
151	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. <i>Angewandte Chemie</i> , 2021 , 133, 8522-8526	3.6	5
150	Clarifying Ultrafast Carrier Dynamics in Ultrathin Films of the Topological Insulator Bi ₂ Se ₃ Using Transient Absorption Spectroscopy. <i>ACS Photonics</i> , 2021 , 8, 1191-1205	6.3	6
149	Promoting near-infrared photocatalytic activity of carbon-doped carbon nitride via solid alkali activation. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	1
148	Dynamic Opening of a Gap in Dirac Surface States of the Thin-Film 3D Topological Insulator BiSe Driven by the Dynamic Rashba Effect. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5593-5600	6.4	2
147	Optically Active CdSe/CdS Nanoplatelets Exhibiting Both Circular Dichroism and Circularly Polarized Luminescence. <i>Advanced Optical Materials</i> , 2021 , 9, 2101142	8.1	3
146	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	10.1	6
145	Strongly enhanced photoluminescence and X-ray excited optical luminescence of the hydrothermally crystallized (Sr,Mn) ₅ (PO ₄) ₃ (F,Cl) nanorods by composition modulating. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157529	5.7	
144	Metal-to-ligand charge transfer chirality-based sensing of mercury ions. <i>Photonics Research</i> , 2021 , 9, 213	6	0
143	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	4.5	2

142	Giant nonlinear optical activity in two-dimensional palladium diselenide. <i>Nature Communications</i> , 2021 , 12, 1083	17.4	26
141	Photochemical Synthesis of Nonplanar Small Molecules with Ultrafast Nonradiative Decay for Highly Efficient Phototheranostics. <i>Advanced Materials</i> , 2021 , 33, e2102799	24	2
140	All-optical high spatial-temporal resolution photography with raster principle at 2 trillion frames per second. <i>Optics Express</i> , 2021 , 29, 27298-27308	3.3	2
139	Spectral and Nonlinear Optical Properties of Quasi-Type II CdSe/CdS Nanotadpoles. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 27840-27847	3.8	3
138	Multiphoton absorption in low-dimensional cesium copper iodide single crystals. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16923-16929	7.1	12
137	The Progress and Perspective of Organic Molecules With Switchable Circularly Polarized Luminescence. <i>Frontiers in Chemistry</i> , 2020 , 8, 458	5	25
136	Metal-to-Ligand Charge Transfer Chirality Sensing of d-Glucose Assisted with GOX-Based Enzymatic Reaction. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000138	6.8	2
135	Spectral Dynamics and Multiphoton Absorption Properties of All-Inorganic Perovskite Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 4817-4825	6.4	15
134	Efficient multiphoton absorption of near-infrared emitting Cu-doped ZnInS/ZnS nanocrystals. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 255103	3	3
133	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	3.8	4
132	Surface metal-ion-functionalized carbon dots and their application in pH sensing. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	2
131	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	4	6
130	Few-layer metal monochalcogenide saturable absorbers for high-energy Q-switched pulse generation. <i>Nanotechnology</i> , 2020 , 31, 205204	3.4	5
129	Autonomous discovery of optically active chiral inorganic perovskite nanocrystals through an intelligent cloud lab. <i>Nature Communications</i> , 2020 , 11, 2046	17.4	28
128	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, 1350-1353	3	2
127	Influence of mixed organic cations on the nonlinear optical properties of lead tri-iodide perovskites. <i>Photonics Research</i> , 2020 , 8, A25	6	5
126	Linear and nonlinear photophysical properties of ZnSe/CdS/ZnS core/shell/shell type II nanocrystals. <i>Photonics Research</i> , 2020 , 8, 1416	6	0
125	All-inorganic copper(i)-based ternary metal halides: promising materials toward optoelectronics. <i>Nanoscale</i> , 2020 , 12, 15560-15576	7.7	33

124	Photophysical Properties of Zn-Alloyed CsPbI ₃ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 27169-27175	3.8	6
123	Infrared response in photocatalytic polymeric carbon nitride for water splitting via an upconversion mechanism. <i>Communications Materials</i> , 2020 , 1,	6	9
122	Ultrathin Single-Crystalline 2D Perovskite Photoconductor for High-Performance Narrowband and Wide Linear Dynamic Range Photodetection. <i>Small</i> , 2020 , 16, e2005626	11	8
121	Ligand-Induced Chirality in Asymmetric CdSe/CdS Nanostructures: A Close Look at Chiral Tadpoles. <i>ACS Nano</i> , 2020 , 14, 10346-10358	16.7	13
120	Chiral Transition Metal Oxides: Synthesis, Chiral Origins, and Perspectives. <i>Advanced Materials</i> , 2020 , 32, e1905585	24	15
119	Observing dynamic and static Rashba effects in a thin layer of 3D hybrid perovskite nanocrystals using transient absorption spectroscopy. <i>AIP Advances</i> , 2020 , 10, 105034	1.5	3
118	Manipulating Nonradiative Decay Channel by Intermolecular Charge Transfer for Exceptionally Improved Photothermal Conversion. <i>ACS Nano</i> , 2019 , 13, 12006-12014	16.7	46
117	Oxidation-Resistant Black Phosphorus Enable Highly Ambient-Stable Ultrafast Pulse Generation at a 2 μ m Tm/Ho-Doped Fiber Laser. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36854-36862	9.5	19
116	Influence of the Organic Chain on the Optical Properties of Two-Dimensional Organic-Inorganic Hybrid Lead Iodide Perovskites. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 2253-2259	4	8
115	Ultra-stable pulse generation in ytterbium-doped fiber laser based on black phosphorus. <i>Nanoscale Advances</i> , 2019 , 1, 195-202	5.1	16
114	Deciphering the intersystem crossing in near-infrared BODIPY photosensitizers for highly efficient photodynamic therapy. <i>Chemical Science</i> , 2019 , 10, 3096-3102	9.4	73
113	Stimuli-Responsive Reversible Switching of Intersystem Crossing in Pure Organic Material for Smart Photodynamic Therapy. <i>Angewandte Chemie</i> , 2019 , 131, 11222-11228	3.6	8
112	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	16.4	45
111	Giant Nonlinear Optical Response in 2D Perovskite Heterostructures. <i>Advanced Optical Materials</i> , 2019 , 7, 1900398	8.1	34
110	Two-Photon-Induced Charge-Variable Conjugated Polyelectrolyte Brushes for Effective Gene Silencing. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1676-1685	4.1	6
109	Comparison Studies of the Linear and Nonlinear Optical Properties of CsPbBr ₃ Nanocrystals: The Influence of Dimensionality and Composition. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 9538-9543	3.8	25
108	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	8.4	12
107	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. <i>Nanoscale</i> , 2019 , 11, 9327-9334	4.7	21

106	Structure and Charge Carrier Dynamics in Colloidal PbS Quantum Dot Solids. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2058-2065	6.4	23
105	A near-infrared I 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	5.8	23
104	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). <i>Advanced Functional Materials</i> , 2019 , 29, 1970046	15.6	20
103	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. <i>Nanoscale</i> , 2019 , 11, 15245-15252	7.7	10
102	Group IIIA/IVA monochalcogenides nanosheets for ultrafast photonics. <i>APL Photonics</i> , 2019 , 4, 090801	5.2	12
101	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	3.8	6
100	Effects of Material Dimensionality on the Optical Properties of CsPbBr ₃ Nanomaterials. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 28893-28897	3.8	5
99	Strong multiphoton absorption in chiral CdSe/CdS dot/rod nanocrystal-doped poly(vinyl alcohol) films. <i>Optics Letters</i> , 2019 , 44, 2256-2259	3	5
98	Giant two- to five-photon absorption in CsPbBr ₃ two-dimensional nanoplatelets. <i>Optics Letters</i> , 2019 , 44, 3873-3876	3	12
97	Hafnium Sulfide Nanosheets for Ultrafast Photonic Device. <i>Advanced Optical Materials</i> , 2019 , 7, 1801303	3.1	42
96	Effective degradation of refractory nitrobenzene in water by the natural 4-hydroxycoumarin under solar illumination. <i>Chemosphere</i> , 2019 , 215, 199-205	8.4	4
95	Optically active plasmonic resonance in self-assembled nanostructures. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 662-678	7.8	30
94	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	3.6	12
93	Mode-locked thulium-doped fiber laser with chemical vapor deposited molybdenum ditelluride. <i>Optics Letters</i> , 2018 , 43, 1998-2001	3	76
92	High energy soliton pulse generation by a magnetron-sputtering-deposition-grown MoTe ₂ saturable absorber. <i>Photonics Research</i> , 2018 , 6, 535	6	99
91	Ultrafast optical nonlinearity of blue-emitting perovskite nanocrystals. <i>Photonics Research</i> , 2018 , 6, 554	6	30
90	Sb ₂ Te ₃ mode-locked ultrafast fiber laser at 1.93 μ m. <i>Chinese Physics B</i> , 2018 , 27, 084214	1.2	9
89	Chiral thiophene derivatives with optimal two-photon absorption in near-infrared window I and II. <i>International Journal of Quantum Chemistry</i> , 2018 , 118, e25690	2.1	2

88	Heteroatom-Containing Organic Molecule for Two-Photon Fluorescence Lifetime Imaging and Photodynamic Therapy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 20945-20951	3.8	6
87	Ultrafast Dynamics of Photoexcited Hot Carrier Generation and Injection in [email[protected]]@GNS Nanostructures. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14857-14864	3.8	6
86	Superior multiphoton absorption properties in colloidal Mn-doped CsPbCl ₃ two-dimensional nanoplatelets. <i>Photonics Research</i> , 2018 , 6, 1021	6	18
85	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	9.4	47
84	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> , 2018 , 29, 1805893	15.6	31
83	Plasmon-induced hot electron transfer in AgNW@TiO ₂ @AuNPs nanostructures. <i>Scientific Reports</i> , 2018 , 8, 14136	4.9	8
82	HnSe wideband optical modulator for pulsed fiber lasers. <i>Optics Letters</i> , 2018 , 43, 4417-4420	3	39
81	Linear and nonlinear optical characteristics of all-inorganic perovskite CsPbBr ₃ quantum dots modified by hydrophobic zeolites. <i>Nanoscale</i> , 2018 , 10, 22766-22774	7.7	27
80	Highly Enhanced Normalized-Volume Multiphoton Absorption in CsPbBr ₃ 2D Nanoplates. <i>Advanced Optical Materials</i> , 2018 , 6, 1800843	8.1	28
79	Optically Active CdSe-Dot/CdS-Rod Nanocrystals with Induced Chirality and Circularly Polarized Luminescence. <i>ACS Nano</i> , 2018 , 12, 5341-5350	16.7	73
78	Thermally activated delayed fluorescence organic dots for two-photon fluorescence lifetime imaging. <i>Applied Physics Letters</i> , 2018 , 112, 211102	3.4	14
77	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	16.4	35
76	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	3.8	45
75	Robust Whispering-Gallery-Mode Microbubble Lasers from Colloidal Quantum Dots. <i>Nano Letters</i> , 2017 , 17, 2640-2646	11.5	60
74	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	5.8	38
73	Spectroscopic studies of chiral perovskite nanocrystals. <i>Applied Physics Letters</i> , 2017 , 111, 151102	3.4	50
72	Drying-mediated optical assembly of silica spheres in a symmetrical metallic waveguide structure. <i>Optics Letters</i> , 2017 , 42, 2960-2963	3	4
71	Magnetron-sputtering deposited WTe ₂ for an ultrafast thulium-doped fiber laser. <i>Optics Letters</i> , 2017 , 42, 5010-5013	3	62

70	Design and chiroptical properties of a water-soluble and violet-blue emissive alkyne template. <i>Synthetic Metals</i> , 2017 , 234, 132-138	3.6	2
69	Strong two-photon absorption of Mn-doped CsPbCl ₃ perovskite nanocrystals. <i>Applied Physics Letters</i> , 2017 , 111, 211105	3.4	46
68	Multiphoton absorption of three chiral diketopyrrolopyrrole derivatives in near-infrared window I and II. <i>Optical Materials Express</i> , 2017 , 7, 3529	2.6	7
67	Strong multiphoton absorption properties of one styrylpyridinium salt in a highly polar solvent. <i>Optics Express</i> , 2016 , 24, 11091-102	3.3	4
66	Biocompatible Two-Photon Absorbing Dipyridyldiketopyrrolopyrroles for Metal-Ion-Mediated Self-Assembly Modulation and Fluorescence Imaging. <i>Advanced Optical Materials</i> , 2016 , 4, 746-755	8.1	23
65	Enhancing Organic Phosphorescence by Manipulating Heavy-Atom Interaction. <i>Crystal Growth and Design</i> , 2016 , 16, 808-813	3.5	86
64	A Three-Photon Active Organic Fluorophore for Deep Tissue Ratiometric Imaging of Intracellular Divalent Zinc. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1523-7	4.5	9
63	Reconfigurable Liquid Whispering Gallery Mode Microlasers. <i>Scientific Reports</i> , 2016 , 6, 27200	4.9	25
62	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. <i>Applied Physics Letters</i> , 2016 , 108, 011901	3.4	26
61	Unusual Fluorescent Properties of Stilbene Units and CdZnS/ZnS Quantum Dots Nanocomposites: White-Light Emission in Solution versus Light-Harvesting in Films. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 24-31	2.6	2
60	Superior optical nonlinearity of an exceptional fluorescent stilbene dye. <i>Applied Physics Letters</i> , 2015 , 106, 111904	3.4	14
59	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	4.6	13
58	Blue liquid lasers from solution of CdZnS/ZnS ternary alloy quantum dots with quasi-continuous pumping. <i>Advanced Materials</i> , 2015 , 27, 169-75	24	104
57	Multicolor lasing prints. <i>Applied Physics Letters</i> , 2015 , 107, 221103	3.4	40
56	Three-photon-excited luminescence from unsymmetrical cyanostilbene aggregates: morphology tuning and targeted bioimaging. <i>ACS Nano</i> , 2015 , 9, 4796-805	16.7	40
55	Quantum Dots: Blue Liquid Lasers from Solution of CdZnS/ZnS Ternary Alloy Quantum Dots with Quasi-Continuous Pumping (Adv. Mater. 1/2015). <i>Advanced Materials</i> , 2015 , 27, 168-168	24	
54	A three-photon probe with dual emission colors for imaging of Zn(II) ions in living cells. <i>Chemical Communications</i> , 2014 , 50, 14378-81	5.8	15
53	Poly(Acrylic Acid)-Capped and Dye-Loaded Graphene Oxide-Mesoporous Silica: A Nano-Sandwich for Two-Photon and Photoacoustic Dual-Mode Imaging. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 1060-1066	3.1	20

52	Multiphoton Harvesting in an Angular Carbazole-Containing Zn(II)-Coordinated Random Copolymer Mediated by Twisted Intramolecular Charge Transfer State. <i>Macromolecules</i> , 2014 , 47, 1316-1324	5.5	20
51	Upconversion nanoparticles as a contrast agent for photoacoustic imaging in live mice. <i>Advanced Materials</i> , 2014 , 26, 5633-8	24	140
50	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). <i>Advanced Optical Materials</i> , 2014 , 2, 39-39	8.1	2
49	Imaging: Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice (Adv. Mater. 32/2014). <i>Advanced Materials</i> , 2014 , 26, 5632-5632	24	2
48	Influence of H-Bonding on Self-Assembly and Tunable Dual-Emission of Carbazole-Based Zn(II)-Terpyridine Metallocycles. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 753-762	2.6	9
47	Efficient Energy Transfer under Two-Photon Excitation in a 3D, Supramolecular, Zn(II)-Coordinated, Self-Assembled Organic Network. <i>Advanced Optical Materials</i> , 2014 , 2, 40-47	8.1	28
46	Stimulated emission and lasing from CdSe/CdS/ZnS core-multi-shell quantum dots by simultaneous three-photon absorption. <i>Advanced Materials</i> , 2014 , 26, 2954-61	24	141
45	Near resonant and nonresonant third-order optical nonlinearities of colloidal InP/ZnS quantum dots. <i>Applied Physics Letters</i> , 2013 , 102, 021917	3.4	41
44	Exciton localization and optical properties improvement in nanocrystal-embedded ZnO core-shell nanowires. <i>Nano Letters</i> , 2013 , 13, 734-9	11.5	76
43	Large two-photon absorption of terpyridine-based quadrupolar derivatives: towards their applications in optical limiting and biological imaging. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 564-71	4.5	22
42	Nanocomposites of graphene oxide and upconversion rare-earth nanocrystals with superior optical limiting performance. <i>Small</i> , 2012 , 8, 2271-6	11	75
41	Mechanism studies on the superior optical limiting observed in graphene oxide covalently functionalized with upconversion NaYF ₄ :Yb ³⁺ /Er ³⁺ nanoparticles. <i>Small</i> , 2012 , 8, 2163-8	11	56
40	Concise synthesis and two-photon-excited deep-blue emission of 1,8-diazapyrenes. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 2090-5	4.5	25
39	Enhanced Optical Nonlinearity in Noncovalently Functionalized Amphiphilic Graphene Composites. <i>ChemPlusChem</i> , 2012 , 77, 688-693	2.8	22
38	TiO ₂ /(CdS, CdSe, CdSeS) Nanorod Heterostructures and Photoelectrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 11956-11963	3.8	224
37	Wavelength dependence of optical nonlinearity of terpyridine-based Zn(II)-coordinated rigid linear polymers. <i>Applied Physics Letters</i> , 2012 , 101, 213302	3.4	16
36	Two-photon-pumped stimulated emission from ZnO single crystal. <i>Applied Physics Letters</i> , 2011 , 99, 081902	3.4	27
35	Enhancement of two-photon absorption and photoinduced birefringence in methyl orange by Au nanoparticles. <i>Optics and Laser Technology</i> , 2011 , 43, 974-977	4.2	8

34	Nonlinear optical properties of an azo-based dye irradiated by picosecond and nanosecond laser pulses. <i>Physica B: Condensed Matter</i> , 2011 , 406, 488-493	2.8	10
33	Photophysical and electrochemical properties of donor-acceptor conjugated oligomers based on 3,4-ethylenedioxythiophene and deficient rings. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 11211-5	1.3	
32	Uniaxial tensile strain and exciton-phonon coupling in bent ZnO nanowires. <i>Applied Physics Letters</i> , 2011 , 98, 241916	3.4	39
31	Z-SCAN STUDIES OF THE NONLINEAR OPTICAL PROPERTIES OF GOLD AQUEOUS COLLOID PREPARED BY THE CHEMICAL REACTION METHOD. <i>Modern Physics Letters B</i> , 2011 , 25, 1219-1227	1.6	1
30	Third-Order Nonlinear Optical Properties of a Series of Polythiophenes. <i>Chinese Physics Letters</i> , 2010 , 27, 074201	1.8	1
29	Nonlinear-Optical and Fluorescent Properties of Ag Aqueous Colloid Prepared by Silver Nitrate Reduction. <i>Journal of Nanomaterials</i> , 2010 , 2010, 1-7	3.2	6
28	The PDMS-based microfluidic channel fabricated by synchrotron radiation stimulated etching. <i>Optics Express</i> , 2010 , 18, 9733-8	3.3	4
27	Nonlinear absorption in an azo-containing ion liquid crystal polymer in the different excitation regimes. <i>Synthetic Metals</i> , 2010 , 160, 1896-1901	3.6	5
26	Nonlinear optical properties and photoinduced anisotropy of an azobenzene ionic liquid-crystalline polymer. <i>Optics Communications</i> , 2010 , 283, 146-150	2	6
25	Synchrotron-radiation-stimulated etching of polydimethylsiloxane using XeF(2) as a reaction gas. <i>Journal of Synchrotron Radiation</i> , 2010 , 17, 69-74	2.4	1
24	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	2.3	33
23	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	1.9	18
22	Z-scan study of optical nonlinearities in two fullerene derivatives. <i>Optics Communications</i> , 2009 , 282, 4271-4275	2	7
21	The nonlinear optical properties and photoinduced anisotropy of a novel stilbene-containing fluorinated polyimide. <i>Dyes and Pigments</i> , 2009 , 82, 47-52	4.6	6
20	Photoinduced anisotropy and polarization holography in a stilbene-containing fluorinated polyimide. <i>Optics Letters</i> , 2009 , 34, 665-7	3	12
19	The Analysis of Breach Path Problem in Wireless Sensor Networks with Blind Area 2009 ,		1
18	Study on the nonlinear optical properties of three azo dyes by Z-scan measurements. <i>Journal of Modern Optics</i> , 2008 , 55, 3013-3020	1.1	12
17	Barrier Coverage of Wireless Sensor Networks Based on Clifford Algebra 2008 ,		1

16	A STUDY ON THE SECOND-ORDER NONLINEAR OPTICAL PROPERTIES OF AZO-DYE CHROMOPHORES CONTAINING THE ELECTRON-ACCEPTOR GROUP. <i>Modern Physics Letters B</i> , 2008 , 22, 1633-1640	1.6	1
15	VIBRATIONAL MODES STUDY OF METHYL ORANGE USING SERS-MEASUREMENT AND THE DFT METHOD. <i>Modern Physics Letters B</i> , 2008 , 22, 2869-2879	1.6	9
14	Third-order nonlinear response of Ag/methyl orange composite thin films. <i>Journal of Modern Optics</i> , 2008 , 55, 975-983	1.1	6
13	Photoinduced changes in a Sudan I doped PMMA thin film. <i>EPJ Applied Physics</i> , 2008 , 44, 277-281	1.1	
12	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	2.3	7
11	A study of surface enhanced Raman scattering for furfural adsorbed on silver surface. <i>Journal of Molecular Structure</i> , 2008 , 873, 1-4	3.4	9
10	The study on the nonlinear optical response of Sudan I. <i>Optics Communications</i> , 2008 , 281, 4121-4125	2	26
9	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	6.7	67
8	Nonlinear refraction and photoinduced birefringence in chlorophosphonazo I doped polymer thin films. <i>Physica B: Condensed Matter</i> , 2008 , 403, 2991-2995	2.8	5
7	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	4.2	73
6	SERS-measured and DFT-calculated vibrational spectra of p-Aminoazobenzene. <i>EPJ Applied Physics</i> , 2007 , 38, 15-19	1.1	3
5	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	2	16
4	Z-scan determination of third-order nonlinear optical nonlinearity of three azobenzenes doped polymer films. <i>Optics Communications</i> , 2007 , 275, 240-244	2	50
3	Third-order optical nonlinearity of azobenzene side-chain polymer thin film. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 2166-2171	1.3	1
2	Third-order nonlinear optical properties of a dmitry salt by Z-scan technique. <i>Journal of Modern Optics</i> , 2007 , 54, 2763-2768	1.1	8
1	Circularly Polarized Light Source from Self-Assembled Hybrid Nanoarchitecture. <i>Advanced Optical Materials</i> , 2200761	8.1	2