

Handong Sun

List of Publications by Year in descending order

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papers

15,798
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13865

67
h-index

21540

114
g-index

307
all docs

307
docs citations

307
times ranked

17842
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultralow-Threshold and High-Quality Whispering-Gallery-Mode Lasing from Colloidal Core/Hybrid-Shell Quantum Wells. <i>Advanced Materials</i> , 2022, 34, e2108884.	21.0	28
2	Ultralow-Threshold and High-Quality Whispering-Gallery-Mode Lasing from Colloidal Core/Hybrid-Shell Quantum Wells (Adv. Mater. 13/2022). <i>Advanced Materials</i> , 2022, 34, .	21.0	1
3	Management of electroluminescence from silver-doped colloidal quantum well light-emitting diodes. <i>Cell Reports Physical Science</i> , 2022, 3, 100860.	5.6	10
4	Narrow electroluminescence in bromide ligand-capped cadmium chalcogenide nanoplatelets. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	4
5	Study of Complex Optical Constants of Neat Cadmium Selenide Nanoplatelets Thin Films by Spectroscopic Ellipsometry. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 191-198.	4.6	17
6	Breath figure-derived porous fluorine-containing poly(ether sulfone) membranes with low dielectric constant. <i>Polymer International</i> , 2021, 70, 1456-1464.	3.1	4
7	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2021, 15, 10775-10981.	14.6	705
8	Observation of Net Stimulated Emission in CsPbBr ₃ Thin Films Prepared by Pulsed Laser Deposition. <i>Advanced Optical Materials</i> , 2021, 9, 2100564.	7.3	9
9	Manipulation of the Optical Properties of Colloidal 2D CdSe Nanoplatelets. <i>Advanced Photonics Research</i> , 2021, 2, 2100045.	3.6	10
10	Surface Depletion Effects in Bromide-Ligated Colloidal Cadmium Selenide Nanoplatelets: Toward Efficient Emission at High Temperature. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9086-9093.	4.6	9
11	Effect of Size on the Electronic Structure and Optical Properties of Cubic CsPbBr ₃ Quantum Dots. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-7.	1.9	3
12	Novel properties and applications of chiral inorganic nanostructures. <i>Nano Today</i> , 2020, 30, 100824.	11.9	61
13	Record High External Quantum Efficiency of 19.2% Achieved in Light-Emitting Diodes of Colloidal Quantum Wells Enabled by Hot-Injection Shell Growth. <i>Advanced Materials</i> , 2020, 32, e1905824.	21.0	95
14	Exciton-Enabled Meta-Optics in Two-Dimensional Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2020, 20, 7964-7972.	9.1	19
15	Green Grinding-Coassembly Engineering toward Intrinsically Luminescent Tetracene in Cocrystals. <i>ACS Nano</i> , 2020, 14, 15962-15972.	14.6	54
16	Spectrally Wide-Range-Tunable, Efficient, and Bright Colloidal Light-Emitting Diodes of Quasi-2D Nanoplatelets Enabled by Engineered Alloyed Heterostructures. <i>Chemistry of Materials</i> , 2020, 32, 7874-7883.	6.7	29
17	Quenching of the relaxation pathway in the Weyl semimetal TaAs. <i>Physical Review B</i> , 2020, 102, .	3.2	4
18	Identifying, understanding and controlling defects and traps in halide perovskites for optoelectronic devices: a review. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 373001.	2.8	20

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19	Enabling seamless investigation of fast and complex flow fields in microfluidics via metal lead halide perovskite based micro-particles. Applied Materials Today, 2020, 20, 100736.	4.3	0
20	Light-Emitting Diodes with Cu-Doped Colloidal Quantum Wells: From Ultrapure Green, Tunable Dual-Emission to White Light. Small, 2019, 15, 1901983.	10.0	45
21	Rapid Synthesis of Sulfur Nanodots by One-Step Hydrothermal Reaction for Luminescence-Based Applications. ACS Applied Nano Materials, 2019, 2, 6622-6628.	5.0	76
22	Lateral cavity enabled Fabry-Perot microlasers from all-inorganic perovskites. Applied Physics Letters, 2019, 115, .	3.3	21
23	Controlling photonic spin Hall effect via exceptional points. Physical Review B, 2019, 100, .	3.2	55
24	Far out-of-equilibrium spin populations trigger giant spin injection into atomically thin MoS ₂ . Nature Physics, 2019, 15, 347-351.	16.7	105
25	Microlasers Enabled by Soft-Matter Technology. Advanced Optical Materials, 2019, 7, 1900057.	7.3	29
26	Simultaneously precise estimations of phase and amplitude variations based on weak-value amplification. Applied Physics Letters, 2019, 114, .	3.3	14
27	Perovskite-Ion Beam Interactions: Toward Controllable Light Emission and Lasing. ACS Applied Materials & Interfaces, 2019, 11, 15756-15763.	8.0	38
28	Temperature Dependent Reflectance and Ellipsometry Studies on a CsPbBr ₃ Single Crystal. Journal of Physical Chemistry C, 2019, 123, 10564-10570.	3.1	37
29	Advances in Alternating Current Electroluminescent Devices. Advanced Optical Materials, 2019, 7, 1801154.	7.3	92
30	Dual phases of crystalline and electronic structures in the nanocrystalline perovskite CsPbBr ₃ . NPG Asia Materials, 2019, 11, .	7.9	41
31	Controllable Polarization of Lasing Emission From a Polymer Microfiber Laser. Scientific Reports, 2019, 9, 17017.	3.3	10
32	Induced Optical Chirality and Circularly Polarized Emission from Achiral CdSe/ZnS Quantum Dots via Resonantly Coupling with Plasmonic Chiral Metasurfaces. Laser and Photonics Reviews, 2019, 13, 1800276.	8.7	40
33	Large in-plane asymmetric spin angular shifts of a light beam near the critical angle. Optics Letters, 2019, 44, 207.	3.3	23
34	Unraveling the Temperature Dependent Interband Transitions, Intrinsic Exciton Resonances and Complex Dielectric Constants of All-inorganic Perovskites for Next-generation Optoelectronics. , 2019, , .		1
35	Switching between excitonic emission and carrier depletion by surface defects in inorganic lead halide perovskites. , 2019, , .		0
36	Tackling the hurdles of electrically pumped colloidal quantum dot lasers. Science China Materials, 2018, 61, 765-766.	6.3	1

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37	Biosensing with the singular phase of an ultrathin metal-dielectric nanophotonic cavity. <i>Nature Communications</i> , 2018, 9, 369.	12.8	103
38	A FriedlÄnder route to 5,7-diazapentacenes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3715-3721.	5.5	11
39	Highly Efficient Green Light-Emitting Diodes from All-Inorganic Perovskite Nanocrystals Enabled by a New Electron Transport Layer. <i>Advanced Optical Materials</i> , 2018, 6, 1800220.	7.3	74
40	All-Inorganic Metal Halide Perovskite Nanostructures: From Photophysics to Light-Emitting Applications. <i>Small Methods</i> , 2018, 2, 1700252.	8.6	83
41	Switching excitonic recombination and carrier trapping in cesium lead halide perovskites by air. <i>Communications Physics</i> , 2018, 1, .	5.3	59
42	Using the Negative Hyperconjugation Effect of Pentafluorosulfanyl Acceptors to Enhance Two-Photon Absorption in Push-Pull Chromophores. <i>Chemistry of Materials</i> , 2018, 30, 7055-7066.	6.7	39
43	Solvent-Assisted Surface Engineering for High-Performance All-Inorganic Perovskite Nanocrystal Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19828-19835.	8.0	45
44	Simultaneous implementation of enhanced resolution and large dynamic range for fiber temperature sensing based on different optical transmission mechanisms. <i>Optics Express</i> , 2018, 26, 18341.	3.4	22
45	Ultrathin graphene diaphragm-based extrinsic Fabry-Perot interferometer for ultra-wideband fiber optic acoustic sensing. <i>Optics Express</i> , 2018, 26, 20758.	3.4	102
46	Novel properties and applications of carbon nanodots. <i>Nanoscale Horizons</i> , 2018, 3, 565-597.	8.0	274
47	Novel Periodic Bilayer Au Nanostructures for Ultrasensitive Surface-Enhanced Raman Spectroscopy. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800820.	3.7	7
48	Advances and prospects of lasers developed from colloidal semiconductor nanostructures. <i>Progress in Quantum Electronics</i> , 2018, 60, 1-29.	7.0	41
49	Nanocomposites of carbon nanotubes and photon upconversion nanoparticles for enhanced optical limiting performance. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7311-7316.	5.5	11
50	Constructing Fast Carrier Tracks into Flexible Perovskite Photodetectors To Greatly Improve Responsivity. <i>ACS Nano</i> , 2017, 11, 2015-2023.	14.6	274
51	Solution-Processed Low Threshold Vertical Cavity Surface Emitting Lasers from All-Inorganic Perovskite Nanocrystals. <i>Advanced Functional Materials</i> , 2017, 27, 1605088.	14.9	242
52	Ï-Conjugated Discrete Oligomers Containing Planar and Nonplanar Aromatic Motifs. <i>Journal of the American Chemical Society</i> , 2017, 139, 3089-3094.	18.7	63
53	A New Class of Lasing Materials: Intrinsic Stimulated Emission from Nonlinear Optically Active Metal-Organic Frameworks. <i>Advanced Materials</i> , 2017, 29, 1605637.	21.0	91
54	All-organic luminescent nanodots from corannulene and cyclodextrin nano-assembly: continuous-flow synthesis, non-linear optical properties, and bio-imaging applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 831-837.	5.9	15

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55	Ultralarge All-Inorganic Perovskite Bulk Single Crystal for High-Performance Visible-Infrared Dual-Modal Photodetectors. <i>Advanced Optical Materials</i> , 2017, 5, 1700157.	7.3	244
56	Enhancing circular dichroism by super chiral hot spots from a chiral metasurface with apexes. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	22
57	Pump Wavelength Dependence of Photodarkening in Yb-Doped Fibers. <i>Journal of Lightwave Technology</i> , 2017, 35, 2535-2540.	4.6	11
58	Robust Whispering-Gallery-Mode Microbubble Lasers from Colloidal Quantum Dots. <i>Nano Letters</i> , 2017, 17, 2640-2646.	9.1	83
59	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.	4.1	46
60	Fast Dynamic Visualizations in Microfluidics Enabled by Fluorescent Carbon Nanodots. <i>Small</i> , 2017, 13, 1700869.	10.0	14
61	Solution-Grown CsPbBr ₃ /Cs ₄ PbBr ₆ Perovskite Nanocomposites: Toward Temperature-Insensitive Optical Gain. <i>Small</i> , 2017, 13, 1701587.	10.0	134
62	Amino-Mediated Anchoring Perovskite Quantum Dots for Stable and Low-Threshold Random Lasing. <i>Advanced Materials</i> , 2017, 29, 1701185.	21.0	269
63	Self-trapped exciton emission from carbon dots investigated by polarization anisotropy of photoluminescence and photoexcitation. <i>Nanoscale</i> , 2017, 9, 12637-12646.	5.6	49
64	Iodide capped PbS/CdS core-shell quantum dots for efficient long-wavelength near-infrared light-emitting diodes. <i>Scientific Reports</i> , 2017, 7, 14741.	3.3	32
65	Wavelength tuning of the spirally drawn whispering gallery mode microfiber lasers and the perspectives for sensing applications. <i>Optics Express</i> , 2017, 25, 2618.	3.4	10
66	11-fs dark pulses generated via coherent absorption in plasmonic metamaterial. <i>Optics Express</i> , 2017, 25, 22620.	3.4	12
67	Green Stimulated Emission Boosted by Nonradiative Resonant Energy Transfer from Blue Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2772-2778.	4.6	12
68	A Three-Photon Active Organic Fluorophore for Deep Tissue Ratiometric Imaging of Intracellular Divalent Zinc. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1523-1527.	3.3	11
69	Reconfigurable Liquid Whispering Gallery Mode Microlasers. <i>Scientific Reports</i> , 2016, 6, 27200.	3.3	29
70	Single photon triggered dianion formation in TCNQ and F4TCNQ crystals. <i>Scientific Reports</i> , 2016, 6, 28510.	3.3	30
71	Ferromagnetic signature in vanadium doped ZnO thin films grown by pulsed laser deposition. <i>Journal of Materials Research</i> , 2016, 31, 3223-3229.	2.6	9
72	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, .	3.3	31

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73	Photon Driven Transformation of Cesium Lead Halide Perovskites from Few-Monolayer Nanoplatelets to Bulk Phase. <i>Advanced Materials</i> , 2016, 28, 10637-10643.	21.0	130
74	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.	2.2	2
75	Tuning liquid whispering gallery mode microlasers by surface tension. , 2016, , .		0
76	Integrated closed-loop cavity of a tunable laser. <i>Applied Physics Letters</i> , 2016, 109, 151105.	3.3	1
77	Biocompatible Two-Photon Absorbing Dipyridyldiketopyrrolopyrroles for Metal-Mediated Self-Assembly Modulation and Fluorescence Imaging. <i>Advanced Optical Materials</i> , 2016, 4, 746-755.	7.3	26
78	Temperature-dependent stoichiometric alteration in ZnO:Mn nanostructured thin films for enhanced ferromagnetic response. <i>Applied Surface Science</i> , 2016, 387, 461-468.	6.1	9
79	A Novel Chiral Metasurface with Controllable Circular Dichroism Induced by Coupling Localized and Propagating Modes. <i>Advanced Optical Materials</i> , 2016, 4, 883-888.	7.3	53
80	Enhancing Organic Phosphorescence by Manipulating Heavy-Atom Interaction. <i>Crystal Growth and Design</i> , 2016, 16, 808-813.	3.0	122
81	Nonlinear Absorption and Low-Threshold Multiphoton Pumped Stimulated Emission from All-Inorganic Perovskite Nanocrystals. <i>Nano Letters</i> , 2016, 16, 448-453.	9.1	494
82	Exciton energy recycling from ZnO defect levels: towards electrically driven hybrid quantum-dot white light-emitting-diodes. <i>Nanoscale</i> , 2016, 8, 5835-5841.	5.6	12
83	Multicolor lasing prints. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	47
84	Unraveling the ultralow threshold stimulated emission from CdZnS/ZnS quantum dot and enabling high-Q microlasers. <i>Laser and Photonics Reviews</i> , 2015, 9, 507-516.	8.7	44
85	Advances and Prospects for Whispering Gallery Mode Microcavities. <i>Advanced Optical Materials</i> , 2015, 3, 1136-1162.	7.3	258
86	All-Inorganic Colloidal Perovskite Quantum Dots: A New Class of Lasing Materials with Favorable Characteristics. <i>Advanced Materials</i> , 2015, 27, 7101-7108.	21.0	1,095
87	Three-Photon-Excited Luminescence from Unsymmetrical Cyanostilbene Aggregates: Morphology Tuning and Targeted Bioimaging. <i>ACS Nano</i> , 2015, 9, 4796-4805.	14.6	51
88	Broadband surface-wave transformation cloak. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7635-7638.	7.1	58
89	Transformation cloaks for surface electromagnetic waves. , 2015, , .		1
90	Second harmonic generation from the 'centrosymmetric' crystals. <i>IUCr</i> , 2015, 2, 317-321.	2.2	42

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91	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.	21.0	1
92	Efficient three-color white organic light-emitting diodes with a spaced multilayer emitting structure. Applied Physics Letters, 2015, 106, .	3.3	26
93	Sb-Induced Phase Control of InAsSb Nanowires Grown by Molecular Beam Epitaxy. Nano Letters, 2015, 15, 1109-1116.	9.1	55
94	Quaternary Alloy Quantum Dots: Toward Low-Threshold Stimulated Emission and All-Optically Processed Lasers in the Green Region. Advanced Optical Materials, 2015, 3, 652-657.	7.3	35
95	Synthesis, structure, physical properties and OLED application of pyrazine-triphenylamine fused conjugated compounds. RSC Advances, 2015, 5, 63080-63086.	3.6	33
96	Superior optical nonlinearity of an exceptional fluorescent stilbene dye. Applied Physics Letters, 2015, 106, .	3.3	15
97	Stable and Low-Threshold Optical Gain in CdSe/CdS Quantum Dots: An All-Colloidal Frequency Up-Converted Laser. Advanced Materials, 2015, 27, 2741-2746.	21.0	92
98	Effect of Zn(O,S) buffer layer thickness on charge carrier relaxation dynamics of CuInSe ₂ solar cell. Solar Energy, 2015, 115, 396-404.	6.1	18
99	Significant enhancement of UV emission in ZnO nanorods subject to Ga ⁺ ion beam irradiation. Nano Research, 2015, 8, 1857-1864.	10.4	9
100	Manipulating Optical Properties of ZnO/Ga:ZnO Core-Shell Nanorods Via Spatially Tailoring Electronic Bandgap. Advanced Optical Materials, 2015, 3, 1066-1071.	7.3	5
101	Nitrogen and phosphorus co-doped graphene quantum dots: synthesis from adenosine triphosphate, optical properties, and cellular imaging. Nanoscale, 2015, 7, 8159-8165.	5.6	174
102	Observation of polarized gain from aligned colloidal nanorods. Nanoscale, 2015, 7, 6481-6486.	5.6	24
103	Upconversion Lasers: Stable and Low-Threshold Optical Gain in CdSe/CdS Quantum Dots: An All-Colloidal Frequency Up-Converted Laser (Adv. Mater. 17/2015). Advanced Materials, 2015, 27, 2678-2678.	21.0	2
104	NaYF ₄ :Yb,Er:MoS ₂ : from synthesis and surface ligand stripping to negative infrared photoresponse. Chemical Communications, 2015, 51, 9030-9033.	4.1	17
105	Blue Liquid Lasers from Solution of CdZnS/ZnS Ternary Alloy Quantum Dots with Quasi-Continuous Pumping. Advanced Materials, 2015, 27, 169-175.	21.0	127
106	Rationally Engineered Core-Shell Colloidal Quantum Dots for Low Threshold Lasers. , 2015, , .		0
107	Organic light-emitting diodes with a spacer enhanced exciplex emission. Applied Physics Letters, 2014, 104, .	3.3	15
108	Anisotropic stimulated emission from aligned CdSe/CdS dot-in-rods. , 2014, , .		0

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109	Multi-photon Excited Amplified Spontaneous Emission and Lasing from CdSe/CdS/ZnS quantum dots. , 2014, , .		0
110	Photophysical investigation of charge recombination in CdS/ZnO layers of CuIn(S,Se) ₂ solar cell. RSC Advances, 2014, 4, 58372-58376.	3.6	5
111	Lasers: Coupled Polymer Microfiber Lasers for Single Mode Operation and Enhanced Refractive Index Sensing (Advanced Optical Materials 3/2014). Advanced Optical Materials, 2014, 2, 200-200.	7.3	4
112	Imaging: Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice (Adv.) Tj ETQq0 0,0 rgBT /Oylock 10	21.0	3
113	An improved polymer solar cell incorporating single-wall carbon nanotubes. Journal of Modern Optics, 2014, 61, 1761-1766.	1.3	3
114	Influence of Hâ€Bonding on Selfâ€Assembly and Tunable Dualâ€Emission of Carbazoleâ€Based Zn(II)â€Terpyridine Metallocomplexes. Macromolecular Chemistry and Physics, 2014, 215, 753-762.	2.2	9
115	Comparative study of field-dependent carrier dynamics and emission kinetics of InGaN/GaN light-emitting diodes grown on (112 ^Å 2) semipolar versus (0001) polar planes. Applied Physics Letters, 2014, 104, .	3.3	29
116	Efficient Energy Transfer under Twoâ€Photon Excitation in a 3D, Supramolecular, Zn(II)â€Coordinated, Selfâ€Assembled Organic Network. Advanced Optical Materials, 2014, 2, 40-47.	7.3	29
117	Synergetically Enhanced Nearâ€Infrared Photoresponse of Reduced Graphene Oxide by Upconversion and Gold Plasmon. Small, 2014, 10, 3637-3643.	10.0	31
118	Flexible microresonators: lasing and sensing. , 2014, , .		1
119	High temperature ferromagnetic ordering in c-axis oriented ZnO:Mn nanoparticle thin films by tailoring substrate temperature. International Journal of Modern Physics Conference Series, 2014, 32, 1460341.	0.7	6
120	Stimulated Emission and Lasing from CdSe/CdS/ZnS Coreâ€Multiâ€Shell Quantum Dots by Simultaneous Threeâ€Photon Absorption. Advanced Materials, 2014, 26, 2954-2961.	21.0	172
121	Broadband Saturable Absorption of Graphene Oxide Thin Film and Its Application in Pulsed Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 441-447.	2.9	42
122	Nanosecond colloidal quantum dot lasers for sensing. Optics Express, 2014, 22, 7308.	3.4	29
123	3-Dimensional photonic crystal surface enhanced upconversion emission for improved near-infrared photoresponse. Nanoscale, 2014, 6, 817-824.	5.6	69
124	Ultrathin Three-Dimensional Thermal Cloak. Physical Review Letters, 2014, 112, 054301.	7.8	340
125	Fluorescent quantum dots derived from PEDOT and their applications in optical imaging and sensing. Materials Horizons, 2014, 1, 529-534.	12.2	30
126	A three-photon probe with dual emission colors for imaging of Zn(ⁱⁱ) ions in living cells. Chemical Communications, 2014, 50, 14378-14381.	4.1	16

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127	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.	2.3	24
128	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.	4.8	20
129	Ultrafast spectroscopic characterization of 7,7,8,8-tetracyanoquinodimethane (TCNQ) and its radical anion (TCNQ ^{•-}). <i>Chemical Physics Letters</i> , 2014, 609, 11-14.	2.6	35
130	Bending-Induced Bidirectional Tuning of Whispering Gallery Mode Lasing from Flexible Polymer Fibers. <i>ACS Photonics</i> , 2014, 1, 11-16.	6.6	79
131	Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice. <i>Advanced Materials</i> , 2014, 26, 5633-5638.	21.0	158
132	Coupled Polymer Microfiber Lasers for Single Mode Operation and Enhanced Refractive Index Sensing. <i>Advanced Optical Materials</i> , 2014, 2, 220-225.	7.3	75
133	Cross Relaxation Induced Pure Red Upconversion in Activator- and Sensitizer-Rich Lanthanide Nanoparticles. <i>Chemistry of Materials</i> , 2014, 26, 5183-5186.	6.7	195
134	Nonlinear Optics: Efficient Energy Transfer under Two-Photon Excitation in a 3D, Supramolecular, Zn(II)-Coordinated, Self-Assembled Organic Network (<i>Advanced Optical Materials</i> 1/2014). <i>Advanced Optical Materials</i> , 2014, 2, 39-39.	7.3	2
135	Excitronics of semiconductor quantum dots and wires for lighting and displays. <i>Laser and Photonics Reviews</i> , 2014, 8, 73-93.	8.7	67
136	Near resonant and nonresonant third-order optical nonlinearities of colloidal InP/ZnS quantum dots. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	48
137	Exciton Localization and Optical Properties Improvement in Nanocrystal-Embedded ZnO Core-Shell Nanowires. <i>Nano Letters</i> , 2013, 13, 734-739.	9.1	85
138	Waveguide design and application with transformation optics. <i>Science China Information Sciences</i> , 2013, 56, 1-11.	4.3	2
139	Development of ZnO Nanostructured Films via Sodium Chloride Solution and Investigation of Its Growth Mechanism and Optical Properties. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1972-1977.	3.8	1
140	Exciting Dilute Magnetic Semiconductor: Copper-Doped ZnO. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 187-195.	1.8	26
141	Whispering gallery mode microlasers and refractive index sensing based on single polymer fiber. <i>Laser and Photonics Reviews</i> , 2013, 7, 133-139.	8.7	111
142	AC-driven, color- and brightness-tunable organic light-emitting diodes constructed from an electron only device. <i>Organic Electronics</i> , 2013, 14, 3195-3200.	2.6	36
143	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, 564-571.	3.3	23
144	Au Nanorod Decoration on NaYF ₄ :Yb/Tm Nanoparticles for Enhanced Emission and Wavelength-Dependent Biomolecular Sensing. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3508-3513.	8.0	98

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145	Enhanced emission of NaYF ₄ :Yb,Er/Tm nanoparticles by selective growth of Au and Ag nanoshells. RSC Advances, 2013, 3, 7718.	3.6	40
146	Two-photon-induced singlet fission in rubrene single crystal. Journal of Chemical Physics, 2013, 138, 184508.	3.0	30
147	Multicolor Hybrid Upconversion Nanoparticles and Their Improved Performance as Luminescence Temperature Sensors Due to Energy Transfer. Small, 2013, 9, 1052-1057.	10.0	75
148	Enhanced ferromagnetic response in ZnO:Mn thin films by tailoring composition and defect concentration. Journal of Magnetism and Magnetic Materials, 2013, 344, 171-175.	2.3	24
149	Tuning Whispering Gallery Mode Lasing from Self-Assembled Polymer Droplets. Scientific Reports, 2013, 3, 1362.	3.3	116
150	Silver nanoparticle facilitated charge generation in tandem organic light-emitting devices. Applied Physics Letters, 2013, 102, .	3.3	7
151	Fluorescent pH Sensor Based on Ag@SiO ₂ Core-Shell Nanoparticle. ACS Applied Materials & Interfaces, 2013, 5, 5856-5860.	8.0	102
152	Optical and Excitonic Properties of Crystalline ZnS Nanowires. , 2013, , 453-483.		0
153	Fluorescence from rubrene single crystals: Interplay of singlet fission and energy trapping. Physical Review B, 2013, 87, .	3.2	52
154	Tuning the influence of metal nanoparticles on ZnO photoluminescence by atomic-layer-deposited dielectric spacer. Nanophotonics, 2013, 2, 153-160.	6.0	26
155	Application of self-assembled hemispherical microlasers as gas sensors. Applied Physics Letters, 2013, 102, .	3.3	43
156	Flexible optical microcavities and their sensing application. , 2013, , .		0
157	Evidence of ultra-low-k dielectric material degradation and nanostructure alteration of the Cu/ultra-low-k interconnects in time-dependent dielectric breakdown failure. Applied Physics Letters, 2013, 102, .	3.3	24
158	Coherent Random lasing from CdSe/CdS/ZnS quantum dots. , 2013, , .		1
159	Dielectric waveguide bending adapter with ideal transmission: practical design strategy of area-preserving affine transformation optics. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1287.	2.1	22
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161	Wavelength dependence of optical nonlinearity of terpyridine-based Zn(II)-coordinated rigid linear polymers. Applied Physics Letters, 2012, 101, 213302.	3.3	17
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