

Handong Sun

List of Publications by Year in descending order

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times ranked

17842
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#	ARTICLE	IF	CITATIONS
1	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
2	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2021, 15, 10775-10981.	14.6	705
3	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
4	Ultrathin Three-Dimensional Thermal Cloak. <i>Physical Review Letters</i> , 2014, 112, 054301.	7.8	340
5	Constructing Fast Carrier Tracks into Flexible Perovskite Photodetectors To Greatly Improve Responsivity. <i>ACS Nano</i> , 2017, 11, 2015-2023.	14.6	274
6	Novel properties and applications of carbon nanodots. <i>Nanoscale Horizons</i> , 2018, 3, 565-597.	8.0	274
7	Amino-Mediated Anchoring Perovskite Quantum Dots for Stable and Low-Threshold Random Lasing. <i>Advanced Materials</i> , 2017, 29, 1701185.	21.0	269
8	Hierarchical Assembly of ZnO Nanostructures on SnO ₂ Backbone Nanowires: Low-Temperature Hydrothermal Preparation and Optical Properties. <i>ACS Nano</i> , 2009, 3, 3069-3076.	14.6	260
9	Advances and Prospects for Whispering Gallery Mode Microcavities. <i>Advanced Optical Materials</i> , 2015, 3, 1136-1162.	7.3	258
10	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
11	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
12	TiO ₂ /(CdS, CdSe, CdSeS) Nanorod Heterostructures and Photoelectrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11956-11963.	3.1	241
13	Surface plasmon enhanced band edge luminescence of ZnO nanorods by capping Au nanoparticles. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	238
14	Room Temperature Excitonic Whispering Gallery Mode Lasing from High-Quality Hexagonal ZnO Microdisks. <i>Advanced Materials</i> , 2011, 23, 2199-2204.	21.0	236
15	Room-temperature luminescence of excitons in ZnO/(Mg,Zn)O multiple quantum wells on lattice-matched substrates. <i>Applied Physics Letters</i> , 2000, 77, 975.	3.3	220
16	Singlet fission in rubrene single crystal: direct observation by femtosecond pump-probe spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8307.	2.8	203
17	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
18	Mono-sized single-wall carbon nanotubes formed in channels of AlPO ₄₋₅ single crystal. <i>Applied Physics Letters</i> , 1998, 73, 2287-2289.	3.3	190

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19	Enhancement of exciton binding energies in ZnO/ZnMgO multiquantum wells. Journal of Applied Physics, 2002, 91, 1993-1997.	2.5	186
20	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
21	Stimulated Emission and Lasing from CdSe/CdS/ZnS Core-Shell Quantum Dots by Simultaneous Three-Photon Absorption. Advanced Materials, 2014, 26, 2954-2961.	21.0	172
22	Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice. Advanced Materials, 2014, 26, 5633-5638.	21.0	158
23	Realizing a SnO ₂ -based ultraviolet light-emitting diode via breaking the dipole-forbidden rule. NPG Asia Materials, 2012, 4, e30-e30.	7.9	137
24	Solution-Grown CsPbBr ₃ /Cs ₄ PbBr ₆ Perovskite Nanocomposites: Toward Temperature-Insensitive Optical Gain. Small, 2017, 13, 1701587.	10.0	134
25	Dynamics of Bound Exciton Complexes in CdS Nanobelts. ACS Nano, 2011, 5, 3660-3669.	14.6	132
26	Stimulated emission induced by exciton-exciton scattering in ZnO/ZnMgO multiquantum wells up to room temperature. Applied Physics Letters, 2000, 77, 4250-4252.	3.3	131
27	Photon Driven Transformation of Cesium Lead Halide Perovskites from Few-Monolayer Nanoplatelets to Bulk Phase. Advanced Materials, 2016, 28, 10637-10643.	21.0	130
28	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
29	Photoluminescence characteristics of high quality ZnO nanowires and its enhancement by polymer covering. Applied Physics Letters, 2010, 96, .	3.3	125
30	0.6-W CW GaInNAs vertical external-cavity surface emitting laser operating at 1.32-μm. Electronics Letters, 2004, 40, 30.	1.0	123
31	Enhancing Organic Phosphorescence by Manipulating Heavy-Atom Interaction. Crystal Growth and Design, 2016, 16, 808-813.	3.0	122
32	Tuning Whispering Gallery Mode Lasing from Self-Assembled Polymer Droplets. Scientific Reports, 2013, 3, 1362.	3.3	116
33	Optical and Excitonic Properties of Crystalline ZnS Nanowires: Toward Efficient Ultraviolet Emission at Room Temperature. Nano Letters, 2010, 10, 4956-4961.	9.1	114
34	Whispering gallery mode microlasers and refractive index sensing based on single polymer fiber. Laser and Photonics Reviews, 2013, 7, 133-139.	8.7	111
35	Giant enhancement of top emission from ZnO thin film by nanopatterned Pt. Applied Physics Letters, 2009, 94, .	3.3	106
36	Far out-of-equilibrium spin populations trigger giant spin injection into atomically thin MoS ₂ . Nature Physics, 2019, 15, 347-351.	16.7	105

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37	UV light emitting transparent conducting tin-doped indium oxide (ITO) nanowires. <i>Nanotechnology</i> , 2011, 22, 195706.	2.6	104
38	Biosensing with the singular phase of an ultrathin metal-dielectric nanophotonic cavity. <i>Nature Communications</i> , 2018, 9, 369.	12.8	103
39	Fluorescent pH Sensor Based on Ag@SiO ₂ Core-Shell Nanoparticle. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5856-5860.	8.0	102
40	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
41	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
42	Temperature dependence of near ultraviolet photoluminescence in ZnO/(Mg, Zn)O multiple quantum wells. <i>Applied Physics Letters</i> , 2001, 78, 1979-1981.	3.3	95
43	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
44	Vertically Aligned Cadmium Chalcogenide Nanowire Arrays on Muscovite Mica: A Demonstration of Epitaxial Growth Strategy. <i>Nano Letters</i> , 2011, 11, 3051-3057.	9.1	94
45	Near-white emitting QD-LED based on hydrophilic CdS nanocrystals. <i>Journal of Luminescence</i> , 2012, 132, 467-473.	3.1	93
46	Stable and Low-Threshold Optical Gain in CdSe/CdS Quantum Dots: An All-Colloidal Frequency Up-Converted Laser. <i>Advanced Materials</i> , 2015, 27, 2741-2746.	21.0	92
47	Advances in Alternating Current Electroluminescent Devices. <i>Advanced Optical Materials</i> , 2019, 7, 1801154.	7.3	92
48	Temperature dependence of excitonic absorption spectra in ZnO/Zn _{0.88} Mg _{0.12} O multiquantum wells grown on lattice-matched substrates. <i>Applied Physics Letters</i> , 2001, 78, 2464-2466.	3.3	91
49	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
50	Oxygen rich <i>np</i> -type ZnO thin films using wet chemical route with enhanced carrier concentration by temperature-dependent tuning of acceptor defects. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	89
51	Exciton Localization and Optical Properties Improvement in Nanocrystal-Embedded ZnO Core-Shell Nanowires. <i>Nano Letters</i> , 2013, 13, 734-739.	9.1	85
52	Robust Whispering-Gallery-Mode Microbubble Lasers from Colloidal Quantum Dots. <i>Nano Letters</i> , 2017, 17, 2640-2646.	9.1	83
53	All-Inorganic Metal Halide Perovskite Nanostructures: From Photophysics to Light-Emitting Applications. <i>Small Methods</i> , 2018, 2, 1700252.	8.6	83
54	Nanocomposites of Graphene Oxide and Upconversion Rare-Earth Nanocrystals with Superior Optical Limiting Performance. <i>Small</i> , 2012, 8, 2271-2276.	10.0	79

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55	Bending-Induced Bidirectional Tuning of Whispering Gallery Mode Lasing from Flexible Polymer Fibers. ACS Photonics, 2014, 1, 11-16.	6.6	79
56	Exciton-Related Photoluminescence and Lasing in CdS Nanobelts. Journal of Physical Chemistry C, 2011, 115, 12826-12830.	3.1	78
57	Self-Assembled Flexible Microlasers. Advanced Materials, 2012, 24, OP60-4.	21.0	76
58	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
59	Multicolor Hybrid Upconversion Nanoparticles and Their Improved Performance as Luminescence Temperature Sensors Due to Energy Transfer. Small, 2013, 9, 1052-1057.	10.0	75
60	Coupled Polymer Microfiber Lasers for Single Mode Operation and Enhanced Refractive Index Sensing. Advanced Optical Materials, 2014, 2, 220-225.	7.3	75
61	Polarized Raman spectra of single-wall carbon nanotubes mono-dispersed in channels of AlPO 4-5 single crystals. Solid State Communications, 1999, 109, 365-369.	1.9	74
62	Synthesis and optical properties of II-VI 1D nanostructures. Nanoscale, 2012, 4, 1422.	5.6	74
63	Highly Efficient Green Light-Emitting Diodes from All-Inorganic Perovskite Nanocrystals Enabled by a New Electron Transport Layer. Advanced Optical Materials, 2018, 6, 1800220.	7.3	74
64	Characteristics of ultraviolet photoluminescence from high quality tin oxide nanowires. Applied Physics Letters, 2009, 95, 061908.	3.3	73
65	Synthesis and Raman characterization of mono-sized single-wall carbon nanotubes in one-dimensional channels of AlPO 4-5 crystals. Applied Physics A: Materials Science and Processing, 1999, 69, 381-384.	2.3	70
66	Excitonic Properties and Near-Infrared Coherent Random Lasing in Vertically Aligned CdSe Nanowires. Advanced Materials, 2011, 23, 1404-1408.	21.0	70
67	3-Dimensional photonic crystal surface enhanced upconversion emission for improved near-infrared photoresponse. Nanoscale, 2014, 6, 817-824.	5.6	69
68	Fine Structure of Ultraviolet Photoluminescence of Tin Oxide Nanowires. Journal of Physical Chemistry C, 2010, 114, 3407-3410.	3.1	68
69	A first-principle analysis on the phase stabilities, chemical bonds and band gaps of wurtzite structure $A_{1-x}Zn_xO$ alloys (A = Ca, Cd, Mg). Journal of Physics Condensed Matter, 2008, 20, 235221.	1.8	67
70	Excitonics of semiconductor quantum dots and wires for lighting and displays. Laser and Photonics Reviews, 2014, 8, 73-93.	8.7	67
71	Quenching of surface traps in Mn doped ZnO thin films for enhanced optical transparency. Applied Surface Science, 2011, 258, 890-897.	6.1	65
72	Single Mode Lasing from Hybrid Hemispherical Microresonators. Scientific Reports, 2012, 2, 244.	3.3	63

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73	Ī-Conjugated Discrete Oligomers Containing Planar and Nonplanar Aromatic Motifs. <i>Journal of the American Chemical Society</i> , 2017, 139, 3089-3094.	13.7	63
74	Biexciton emission from ZnO/Zn _{0.74} Mg _{0.26} O multiquantum wells. <i>Applied Physics Letters</i> , 2001, 78, 3385-3387.	3.3	61
75	Efficient Energy Transfer and Enhanced Infrared Emission in Er-Doped ZnO-SiO ₂ Composites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13458-13462.	3.1	61
76	Novel properties and applications of chiral inorganic nanostructures. <i>Nano Today</i> , 2020, 30, 100824.	11.9	61
77	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, 2163-2168.	10.0	59
78	Switching excitonic recombination and carrier trapping in cesium lead halide perovskites by air. <i>Communications Physics</i> , 2018, 1, .	5.3	59
79	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
80	Low-loss 13-Åm GaInNAs saturable Bragg reflector for high-power picosecond neodymium lasers. <i>Optics Letters</i> , 2002, 27, 2124.	3.3	57
81	Synthesis, characterization and opto-electrical properties of ternary Zn ₂ SnO ₄ nanowires. <i>Nanotechnology</i> , 2010, 21, 465706.	2.6	57
82	Sb-Induced Phase Control of InAsSb Nanowires Grown by Molecular Beam Epitaxy. <i>Nano Letters</i> , 2015, 15, 1109-1116.	9.1	55
83	Controlling photonic spin Hall effect via exceptional points. <i>Physical Review B</i> , 2019, 100, .	3.2	55
84	Green Grinding-Coassembly Engineering toward Intrinsically Luminescent Tetracene in Cocrystals. <i>ACS Nano</i> , 2020, 14, 15962-15972.	14.6	54
85	Alteration of Mn exchange coupling by oxygen interstitials in ZnO:Mn thin films. <i>Applied Surface Science</i> , 2012, 258, 6373-6378.	6.1	53
86	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
87	Fluorescence from rubrene single crystals: Interplay of singlet fission and energy trapping. <i>Physical Review B</i> , 2013, 87, .	3.2	52
88	Optically pumped ultraviolet lasing from nitride nanopillars at room temperature. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	51
89	Three-Photon-Excited Luminescence from Unsymmetrical Cyanostilbene Aggregates: Morphology Tuning and Targeted Bioimaging. <i>ACS Nano</i> , 2015, 9, 4796-4805.	14.6	51
90	Electronic energy levels and carrier dynamics in InAs/InGaAs dots-in-a-well structure investigated by optical spectroscopy. <i>Journal of Applied Physics</i> , 2010, 107, 013513.	2.5	49

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91	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
92	Near resonant and nonresonant third-order optical nonlinearities of colloidal InP/ZnS quantum dots. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	48
93	Multicolor lasing prints. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	47
94	Ultraviolet light emission and excitonic fine structures in ultrathin single-crystalline indium oxide nanowires. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	46
95	Localized suppression of longitudinal-optical-phonon exciton coupling in bent ZnO nanowires. <i>Nanotechnology</i> , 2010, 21, 445706.	2.6	46
96	A SnO ₂ Nanoparticle/Nanobelt and Si Heterojunction Light-Emitting Diode. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18390-18395.	3.1	46
97	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
98	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
99	Light-Emitting Diodes with Cu-Doped Colloidal Quantum Wells: From Ultrapure Green, Tunable Dual-Emission to White Light. <i>Small</i> , 2019, 15, 1901983.	10.0	45
100	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
101	Surface Eu-Treated ZnO Nanowires with Efficient Red Emission. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18081-18084.	3.1	43
102	Application of self-assembled hemispherical microlasers as gas sensors. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	43
103	Uniaxial tensile strain and exciton-phonon coupling in bent ZnO nanowires. <i>Applied Physics Letters</i> , 2011, 98, 241916.	3.3	42
104	Enhanced indirect ferromagnetic p-d exchange coupling of Mn in oxygen rich ZnO:Mn nanoparticles synthesized by wet chemical method. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	42
105	Broadband Saturable Absorption of Graphene Oxide Thin Film and Its Application in Pulsed Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 441-447.	2.9	42
106	Second harmonic generation from the 'centrosymmetric' crystals. <i>IUCr</i> , 2015, 2, 317-321.	2.2	42
107	Advances and prospects of lasers developed from colloidal semiconductor nanostructures. <i>Progress in Quantum Electronics</i> , 2018, 60, 1-29.	7.0	41
108	Dual phases of crystalline and electronic structures in the nanocrystalline perovskite CsPbBr ₃ . <i>NPG Asia Materials</i> , 2019, 11, .	7.9	41

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109	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
110	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
111	Study of the cation distributions in Eu doped Sr ₂ Y ₈ (SiO ₄) ₆ O ₂ by X-ray diffraction and photoluminescent spectra. Journal of Solid State Chemistry, 2010, 183, 3093-3099.	2.9	39
112	Using the Negative Hyperconjugation Effect of Pentafluorosulfanyl Acceptors to Enhance Two-Photon Absorption in Push-Pull Chromophores. Chemistry of Materials, 2018, 30, 7055-7066.	6.7	39
113	Optical investigations of GaInNAs/GaAs multi-quantum wells with low nitrogen content. Journal of Applied Physics, 2002, 92, 1380-1385.	2.5	38
114	Perovskite Ion Beam Interactions: Toward Controllable Light Emission and Lasing. ACS Applied Materials & Interfaces, 2019, 11, 15756-15763.	8.0	38
115	Temperature Dependent Reflectance and Ellipsometry Studies on a CsPbBr ₃ Single Crystal. Journal of Physical Chemistry C, 2019, 123, 10564-10570.	3.1	37
116	AC-driven, color- and brightness-tunable organic light-emitting diodes constructed from an electron only device. Organic Electronics, 2013, 14, 3195-3200.	2.6	36
117	Phonon replicas in ZnO/ZnMgO multiquantum wells. Journal of Applied Physics, 2002, 91, 6457.	2.5	35
118	Ultrafast spectroscopic characterization of 7,7,8,8-tetracyanoquinodimethane (TCNQ) and its radical anion (TCNQ ^{•-}). Chemical Physics Letters, 2014, 609, 11-14.	2.6	35
119	Quaternary Alloy Quantum Dots: Toward Low-Threshold Stimulated Emission and All-Solution-Processed Lasers in the Green Region. Advanced Optical Materials, 2015, 3, 652-657.	7.3	35
120	Pulsed laser deposition of high-quality ZnCdO epilayers and ZnCdO/ZnO single quantum well on sapphire substrate. Applied Physics Letters, 2010, 97, 061911.	3.3	34
121	Rapid thermal annealing of rare earth implanted ZnO epitaxial layers. Optical Materials, 2011, 33, 1139-1142.	3.6	33
122	Synthesis, structure, physical properties and OLED application of pyrazine-triphenylamine fused conjugated compounds. RSC Advances, 2015, 5, 63080-63086.	3.6	33
123	Iodide capped PbS/CdS core-shell quantum dots for efficient long-wavelength near-infrared light-emitting diodes. Scientific Reports, 2017, 7, 14741.	3.3	32
124	Influence of thin metal nanolayers on the photodetective properties of ZnO thin films. Journal of Applied Physics, 2009, 106, 083110.	2.5	31
125	ZnCdO/ZnO Coaxial Multiple Quantum Well Nanowire Heterostructures and Optical Properties. Journal of Physical Chemistry C, 2010, 114, 3863-3868.	3.1	31
126	Synergetically Enhanced Near-Infrared Photoresponse of Reduced Graphene Oxide by Upconversion and Gold Plasmon. Small, 2014, 10, 3637-3643.	10.0	31

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127	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, .	3.3	31
128	Two-photon-induced singlet fission in rubrene single crystal. Journal of Chemical Physics, 2013, 138, 184508.	3.0	30
129	Fluorescent quantum dots derived from PEDOT and their applications in optical imaging and sensing. Materials Horizons, 2014, 1, 529-534.	12.2	30
130	Single photon triggered dianion formation in TCNQ and F4TCNQ crystals. Scientific Reports, 2016, 6, 28510.	3.3	30
131	1.3-µm GaInNAs optically-pumped vertical cavity semiconductor optical amplifier. Electronics Letters, 2003, 39, 100.	1.0	29
132	Comparative study of field-dependent carrier dynamics and emission kinetics of InGaN/GaN light-emitting diodes grown on (112) semipolar versus (0001) polar planes. Applied Physics Letters, 2014, 104, .	3.3	29
133	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.	7.3	29
134	Nanosecond colloidal quantum dot lasers for sensing. Optics Express, 2014, 22, 7308.	3.4	29
135	Reconfigurable Liquid Whispering Gallery Mode Microlasers. Scientific Reports, 2016, 6, 27200.	3.3	29
136	Microlasers Enabled by Soft-Matter Technology. Advanced Optical Materials, 2019, 7, 1900057.	7.3	29
137	Spectrally Wide-Range-Tunable, Efficient, and Bright Colloidal Light-Emitting Diodes of Quasi-2D Nanoplatelets Enabled by Engineered Alloyed Heterostructures. Chemistry of Materials, 2020, 32, 7874-7883.	6.7	29
138	Hybrid inorganic/organic microstructured light-emitting diodes produced using photocurable polymer blends. Applied Physics Letters, 2007, 90, 031116.	3.3	28
139	Two-photon-pumped stimulated emission from ZnO single crystal. Applied Physics Letters, 2011, 99, .	3.3	28
140	Ultralow-Threshold and High-Quality Whispering-Gallery-Mode Lasing from Colloidal Core/Hybrid-Shell Quantum Wells. Advanced Materials, 2022, 34, e2108884.	21.0	28
141	Investigation of Structured Green-Band Emission and Electron-Phonon Interactions in Vertically Aligned ZnO Nanowires. Journal of Physical Chemistry C, 2010, 114, 17889-17893.	3.1	27
142	Thermal quenching mechanism of photoluminescence in 1.55-µm GaInNAsSb-Ga(N)As quantum-well structures. Applied Physics Letters, 2006, 89, 101909.	3.3	26
143	Nitrogen doping in pulsed laser deposited ZnO thin films using dense plasma focus. Applied Surface Science, 2011, 257, 1979-1985.	6.1	26
144	Concise Synthesis and Two-Photon-Excited Deep-Blue Emission of 1,8-Diazapyrenes. Chemistry - an Asian Journal, 2012, 7, 2090-2095.	3.3	26

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145	Exciting Dilute Magnetic Semiconductor: Copper-Doped ZnO. Journal of Superconductivity and Novel Magnetism, 2013, 26, 187-195.	1.8	26
146	Tuning the influence of metal nanoparticles on ZnO photoluminescence by atomic-layer-deposited dielectric spacer. Nanophotonics, 2013, 2, 153-160.	6.0	26
147	Efficient three-color white organic light-emitting diodes with a spaced multilayer emitting structure. Applied Physics Letters, 2015, 106, .	3.3	26
148	Biocompatible Two-Photon Absorbing Dipyridyldiketopyrrolopyrroles for Metal-Ion-Mediated Self-Assembly Modulation and Fluorescence Imaging. Advanced Optical Materials, 2016, 4, 746-755.	7.3	26
149	Electrical transport properties of mono-dispersed single-wall carbon nanotubes formed in channels of zeolite crystal. Physica B: Condensed Matter, 2000, 279, 200-203.	2.7	25
150	Optical transitions in GaInNAs/GaAs multi-quantum wells with varying N content investigated by photoluminescence excitation spectroscopy. Applied Physics Letters, 2003, 82, 376-378.	3.3	25
151	Optical characteristics of 1.55 μ m GaInNAs multiple quantum wells. Applied Physics Letters, 2004, 85, 4013-4015.	3.3	25
152	GaInNAs/GaAs Bragg-mirror-based structures for novel 1.3 μ m device applications. Journal of Crystal Growth, 2004, 268, 457-465.	1.5	25
153	Enhanced Optical Nonlinearity in Noncovalently Functionalized Amphiphilic Graphene Composites. ChemPlusChem, 2012, 77, 688-693.	2.8	24
154	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
155	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
156	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.	2.3	24
157	Observation of polarized gain from aligned colloidal nanorods. Nanoscale, 2015, 7, 6481-6486.	5.6	24
158	Visible-light photoresponse in a hollow microtube-nanowire structure made of carbon-doped ZnO. CrystEngComm, 2012, 14, 2886.	2.6	23
159	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.	3.3	23
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