Haiping He

List of Publications by Citations

163 papers	3,895 citations	33 h-index	56 g-index
166 ext. papers	4,272 ext. citations	5.1 avg, IF	5.29 L-index

#	Paper	IF	Citations
163	Interfacial control toward efficient and low-voltage perovskite light-emitting diodes. *Advanced Materials*, **2015**, 27, 2311-6	24	559
162	Dopant-induced shape evolution of colloidal nanocrystals: the case of zinc oxide. *Journal of the American Chemical Society*, **2010**, 132, 13381-94	16.4	165
161	Exciton localization in solution-processed organolead trihalide perovskites. *Nature Communications*, **2016**, 7, 10896	17.4	163
160	Efficient and High-Color-Purity Light-Emitting Diodes Based on In Situ Grown Films of CsPbX (X = Br, I) Nanoplates with Controlled Thicknesses. *ACS Nano*, **2017**, 11, 11100-11107	16.7	153
159	2D Behaviors of Excitons in Cesium Lead Halide Perovskite Nanoplatelets. *Journal of Physical Chemistry Letters*, **2017**, 8, 1161-1168	6.4	95
158	Surface passivation effect on the photoluminescence of ZnO nanorods. *ACS Applied Materials & Interfaces*, **2013**, 5, 6354-9	9.5	78
157	Shape control of colloidal Mn doped ZnO nanocrystals and their visible light photocatalytic properties. *Nanoscale*, **2013**, 5, 10461-71	7.7	70
156	Stable and bright formamidinium-based perovskite light-emitting diodes with high energy conversion efficiency. *Nature Communications*, **2019**, 10, 3624	17.4	68
155	Fabrication of Sb-doped p-type ZnO thin films by pulsed laser deposition. *Applied Surface Science*, **2007**, 253, 5067-5069	6.7	67
154	Effects of Organic Cation Length on Exciton Recombination in Two-Dimensional Layered Lead Iodide Hybrid Perovskite Crystals. *Journal of Physical Chemistry Letters*, **2017**, 8, 5177-5183	6.4	66
153	Controlled synthesis of spinel ZnFe2O4 decorated ZnO heterostructures as peroxidase mimetics for enhanced colorimetric biosensing. *Chemical Communications*, **2013**, 49, 7656-8	5.8	65
152	Photoluminescence property of ZnO–SiO2composites synthesized by sol–gel method. *Journal Physics D: Applied Physics*, **2003**, 36, 2972-2975	3	65
151	Colloidal Indium-Doped Zinc Oxide Nanocrystals with Tunable Work Function: Rational Synthesis and Optoelectronic Applications. *Chemistry of Materials*, **2014**, 26, 5169-5178	9.6	62
150	Size-Dependent Surface Effects on the Photoluminescence in ZnO Nanorods. *Journal of Physical Chemistry C*, **2011**, 115, 58-64	3.8	58
149	Bright Tail States in Blue-Emitting Ultrasmall Perovskite Quantum Dots. *Journal of Physical Chemistry Letters*, **2017**, 8, 6002-6008	6.4	54
148	Highly transparent and conductive Zn0.85Mg0.15O:Al thin films prepared by pulsed laser deposition. *Solar Energy Materials and Solar Cells*, **2008**, 92, 343-347	6.4	54
147	Band gap modulation of ZnCdO alloy thin films with different Cd contents grown by pulsed laser deposition. *Journal of Alloys and Compounds*, **2013**, 547, 59-62	5.7	52

146	Colloidal chemically fabricated ZnO : Cu-based photodetector with extended UV-visible detection waveband. *Nanoscale*, **2013**, 5, 9577-81	7.7	50
145	High-Efficiency Red Light-Emitting Diodes Based on Multiple Quantum Wells of Phenylbutylammonium-Cesium Lead Iodide Perovskites. *ACS Photonics*, **2019**, 6, 587-594	6.3	44
144	Three-Dimensional Porous Nickel Frameworks Anchored with Cross-Linked Ni(OH) Nanosheets as a Highly Sensitive Nonenzymatic Glucose Sensor. *ACS Applied Materials & Interfaces*, **2018**, 10, 15088-15095	9.5	43
143	A single mesoporous ZnO/Chitosan hybrid nanostructure for a novel free nanoprobe type biosensor. *Biosensors and Bioelectronics*, **2013**, 43, 226-30	11.8	43
142	Dual-donor (Zn(i) and V(O)) mediated ferromagnetism in copper-doped ZnO micron-scale polycrystalline films: a thermally driven defect modulation process. *Nanoscale*, **2013**, 5, 3918-30	7.7	41
141	Atomically thin cesium lead bromide perovskite quantum wires with high luminescence. *Nanoscale*, **2017**, 9, 104-108	7.7	40
140	Simple Approach to Improving the Amplified Spontaneous Emission Properties of Perovskite Films. *ACS Applied Materials & Interfaces*, **2016**, 8, 32978-32983	9.5	40
139	Enhanced near band edge emission of ZnO via surface plasmon resonance of aluminum nanoparticles. *Journal of Applied Physics*, **2011**, 110, 023510	2.5	40
138	Optical properties of p-type CuAlO2 thin film grown by rf magnetron sputtering. *Applied Surface Science*, **2011**, 257, 8330-8333	6.7	40
137	Raman scattering and photoluminescence of quasi-aligned ternary ZnCdO nanorods. *Journal Physics D: Applied Physics*, **2005**, 38, 2919-2922	3	40
136	Negative Thermal Quenching Behavior and Long Luminescence Lifetime of Surface-State Related Green Emission in ZnO Nanorods. *Journal of Physical Chemistry C*, **2008**, 112, 14262-14265	3.8	39
135	Understanding the Role of Lithium Doping in Reducing Nonradiative Loss in Lead Halide Perovskites. *Advanced Science*, **2018**, 5, 1800736	13.6	38
134	Co-doping: an effective strategy for achieving stable p-type ZnO thin films. *Nano Energy*, **2018**, 52, 527-540	17.1	37
133	Piezoelectric properties of rhombic LiNbO3 nanowires. *RSC Advances*, **2012**, 2, 7380	3.7	35
132	Single-Crystalline Sodium-Doped p-Type ZnO and ZnMgO Nanowires via Combination of Thin-Film and Nano Techniques. *Journal of Physical Chemistry C*, **2011**, 115, 19018-19022	3.8	33
131	Growth and properties of ZnO nanorod and nanonails by thermal evaporation. *Applied Surface Science*, **2009**, 255, 3972-3976	6.7	33
130	Preparation and characterization of Al-doped quasi-aligned ZnO submicro-rods. *Journal Physics D: Applied Physics*, **2006**, 39, 2696-2700	3	32
129	Facile synthesis and characterization of ultrathin cerium oxide nanorods. *CrystEngComm*, **2010**, 12, 2663	3.3	31

128	The influence of morphologies and doping of nanostructured ZnO on the field emission behaviors. *Solid-State Electronics*, **2009**, 53, 578-583	1.7	30
127	Extraction of the surface trap level from photoluminescence: a case study of ZnO nanostructures. *Physical Chemistry Chemical Physics*, **2011**, 13, 14902-5	3.6	29
126	Charge Transfer Doping Modulated Raman Scattering and Enhanced Stability of Black Phosphorus Quantum Dots on a ZnO Nanorod. *Advanced Optical Materials*, **2018**, 6, 1800440	8.1	27
125	Acceptor defect-participating magnetic exchange in ZnO : Cu nanocrystalline film: defect structure evolution, Cu□N synergetic role and magnetic control. *Journal of Materials Chemistry C*, **2015**, 3, 1330-1346	7.1	25
124	Metal enhanced photoluminescence from Al-capped ZnMgO films: The roles of plasmonic coupling and non-radiative recombination. *Applied Physics Letters*, **2012**, 100, 112103	3.4	25
123	Temperature-dependent photoluminescence and photoluminescence excitation of aluminum monodoped and aluminum-indium dual-doped ZnO nanorods. *Journal of Applied Physics*, **2008**, 104, 114307	2.5	25
122	Ionic conductivity of nano-scale □AgI. *Physica B: Condensed Matter*, **2003**, 325, 357-361	2.8	25
121	Dominant free exciton emission in ZnO nanorods. *Nanoscale*, **2012**, 4, 1701-6	7.7	24
120	Controllable growth and optical properties of ZnO nanostructures on Si nanowire arrays. *CrystEngComm*, **2011**, 13, 2439	3.3	24
119	Temperature-dependent photoluminescence properties of porous silicon nanowire arrays. *Applied Physics Letters*, **2011**, 99, 123106	3.4	24
118	Intense ultraviolet and green photoluminescence from sol□gel derived silica containing hydrogenated carbon. *Journal of Physics Condensed Matter*, **2002**, 14, 11867-11874	1.8	24
117	Green light-emitting diodes based on hybrid perovskite films with mixed cesium and methylammonium cations. *Nano Research*, **2017**, 10, 1329-1335	10	23
116	Growth and optical properties of tetrapod-like indium-doped ZnO nanorods with a layer-structured surface. *Journal of Alloys and Compounds*, **2011**, 509, 316-320	5.7	23
115	Efficient light-emitting diodes based on oriented perovskite nanoplatelets. *Science Advances*, **2021**, 7, eabg8458	14.3	23
114	Characterization of ZnO:Co particles prepared by hydrothermal method for room temperature magnetism. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 690-694	2.8	21
113	Synthesis of vertically aligned Al-doped ZnO nanorods array with controllable Al concentration. *Materials Letters*, **2008**, 62, 603-606	3.3	21
112	Photoluminescence of Ga-doped ZnO nanorods prepared by chemical vapor deposition. *Optical Materials*, **2008**, 31, 237-240	3.3	20
111	Violet emission in ZnO nanorods treated with high-energy hydrogen plasma. *ACS Applied Materials & Interfaces*, **2013**, 5, 10274-9	9.5	19

110	Distinctive excitonic recombination in solution-processed layered organic–inorganic hybrid two-dimensional perovskites. *Journal of Materials Chemistry C*, **2016**, 4, 10198-10204	7.1	18
109	Three-dimensional graphene foam integrated with Ni(OH)2 nanosheets as a hierarchical structure for non-enzymatic glucose sensing. *Journal of Electroanalytical Chemistry*, **2019**, 832, 275-283	4.1	18
108	Introducing heterojunction barriers into single kinked nanowires for the probe-free detection of proteins and intracellular recording. *Nanoscale*, **2014**, 6, 4052-7	7.7	17
107	Self-assemble ZnMn2O4 hierarchical hollow microspheres into self-supporting architecture for enhanced biosensing performance. *Biosensors and Bioelectronics*, **2014**, 61, 443-7	11.8	17
106	Tuning the photoluminescence of porous silicon nanowires by morphology control. *Journal of Materials Chemistry C*, **2014**, 2, 2668	7.1	17
105	Local super-saturation dependent synthesis of MgO nanosheets. *Applied Surface Science*, **2011**, 257, 3607-3611	6.7	17
104	Synthesis of radial ZnO nanostructures by a simple thermal evaporation method. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 507-511	3	17
103	Synthesis and characterization of dendritic ZnMgO nanostructures. *Journal Physics D: Applied Physics*, **2006**, 39, 3764-3768	3	17
102	Mechanism of intense blue photoluminescence in silica wires. *Solid State Communications*, **2005**, 135, 247-250	1.6	17
101	Free-Standing Atomically Thin ZnO Layers via Oxidation of Zinc Chalcogenide Nanosheets. *ACS Applied Materials & Interfaces*, **2017**, 9, 13537-13543	9.5	16
100	Achieving long carrier lifetime and high optical gain in all-inorganic CsPbBr perovskite films via top and bottom surface modification. *Physical Chemistry Chemical Physics*, **2019**, 21, 21996-22001	3.6	16
99	Origin of p-type conduction in Cu-doped ZnO nano-films synthesized by hydrothermal method combined with post-annealing. *Materials Research Bulletin*, **2015**, 70, 190-194	5.1	16
98	Improved photoluminescence and sensing stability of porous silicon nanowires by surface passivation. *Physical Chemistry Chemical Physics*, **2014**, 16, 890-4	3.6	16
97	Bandgap engineering and shape control of colloidal Cd(x)Zn(1-x)O nanocrystals. *Nanoscale*, **2013**, 5, 6464-8	7.7	16
96	Synthesis and waveguiding of single-crystalline LiNbO3 nanorods. *Applied Physics Letters*, **2011**, 98, 093102	3.4	16
95	One-Step Synthesis of Monodisperse In-Doped ZnO Nanocrystals. *Nanoscale Research Letters*, **2010**, 5, 882-8	5	15
94	Embedded Two-Dimensional Perovskite Nanoplatelets with Air-Stable Luminescence. *ACS Applied Materials & Interfaces*, **2019**, 11, 8436-8442	9.5	14
93	Comparative photoluminescence study on p-type and n-type ZnO films codoped by nitrogen and aluminium. *Optical Materials*, **2008**, 30, 1422-1426	3.3	14

92	Carrier localization in codoped ZnO:N:Al films. *Solid State Communications*, **2006**, 138, 542-545	1.6	14
91	Enhanced photoluminescence of nonpolar p-type ZnO film by surface plasmon resonance and electron transfer. *Optics Letters*, **2015**, 40, 649-52	3	13
90	Structural and optical properties of ZnSO alloy thin films with different S contents grown by pulsed laser deposition. *Journal of Alloys and Compounds*, **2014**, 582, 535-539	5.7	13
89	Growth of Na doped p-type non-polar a-plane ZnO films by pulsed laser deposition. *Materials Letters*, **2012**, 76, 81-83	3.3	13
88	One-step synthesis of flower-like Au-ZnO microstructures at room temperature and their photocatalytic properties. *Applied Physics A: Materials Science and Processing*, **2013**, 110, 47-53	2.6	13
87	Perovskite light-emitting devices with a metal–insulator–semiconductor structure and carrier tunnelling. *Journal of Materials Chemistry C*, **2017**, 5, 7715-7719	7.1	13
86	Growth and properties of ZnO/hexagonal ZnMgO/cubic ZnMgO nanopagoda heterostructures. *Journal Physics D: Applied Physics*, **2007**, 40, 5287-5290	3	13
85	Defect-related vibrational and photoluminescence spectroscopy of a codoped ZnO : Al : N film. *Journal Physics D: Applied Physics*, **2006**, 39, 2339-2342	3	13
84	Zinc vacancy-related complex and its abnormal photoluminescence in Zn+-implanted ZnO single crystals. *Materials Letters*, **2017**, 192, 133-136	3.3	12
83	The defect nature of photoluminescence from a porous silicon nanowire array. *RSC Advances*, **2015**, 5, 80526-80529	3.7	12
82	Indium-doped ZnO nanowires with infrequent growth orientation, rough surfaces and low-density surface traps. *Nanoscale Research Letters*, **2013**, 8, 493	5	12
81	Solid Confinement of Quantum Dots in ZIF-8 for Efficient and Stable Color-Conversion White LEDs. *ChemSusChem*, **2017**, 10, 1346-1350	8.3	11
80	Optical properties and structural characteristics of ZnO thin films grown on a-plane sapphire substrates by plasma-assisted molecular beam epitaxy. *Optics Communications*, **2012**, 285, 4431-4434	2	11
79	Acceptor-related emissions in indium-doped ZnO nanorods. *Journal of Applied Physics*, **2011**, 109, 053507	2.5	11
78	Catalyst-free synthesis of vertically aligned screw-shape InZnO nanorods array. *Journal of Crystal Growth*, **2007**, 306, 339-343	1.6	11
77	Synthesis of two kinds of ZnO nanostructures by vapor phase method. *Materials Letters*, **2007**, 61, 1170-1173	3.3	11
76	Enhanced internal quantum efficiency in non-polar ZnO/Zn0.81Mg0.19O multiple quantum wells by Pt surface plasmons coupling. *Optics Letters*, **2015**, 40, 3639-42	3	10
75	Ultrasonication-Assisted Ambient-Air Synthesis of Monodispersed Blue-Emitting CsPbBr3 Quantum Dots for White Light Emission. *ACS Applied Nano Materials*, **2019**, 2, 6874-6879	5.6	10

74	Effects of phosphorus doping in ZnO nanocrystals by metal organic chemical vapor deposition. *Materials Letters*, **2012**, 68, 258-260	3.3	10
73	Effects of rapid thermal annealing on the structural and electrical properties of Na-doped ZnMgO films. *Applied Surface Science*, **2011**, 257, 5927-5930	6.7	10
72	Highly efficient orange emission in ZnO:Se nanorods. *Journal of Applied Physics*, **2010**, 108, 124313	2.5	10
71	Highly compact and smooth all-inorganic perovskite films for low threshold amplified spontaneous emission from additive-assisted solution processing. *Journal of Materials Chemistry C*, **2019**, 7, 15350-15356	7.1	10
70	High internal quantum efficiency ZnO/ZnMgO multiple quantum wells prepared on GaN/sapphire templates for ultraviolet light emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 6534-6538	7.1	9
69	Trap states in chemically derived graphene oxide revealed by anomalous temperature-dependent photoluminescence. *RSC Advances*, **2014**, 4, 18141	3.7	9
68	Growth of high-quality ZnO thin films on ((11bar{2}0)) a-plane sapphire substrates by plasma-assisted molecular beam epitaxy. *Applied Physics A: Materials Science and Processing*, **2013**, 112, 1051-1055	2.6	9
67	Preparation and optical properties of ZnO/Zn0.9Mg0.1O multiple quantum well structures with various well widths grown on c-plane sapphire. *Optics Communications*, **2013**, 301-302, 96-99	2	9
66	Layer-structured ZnO nanowire arrays with dominant surface- and acceptor-related emissions. *Materials Letters*, **2011**, 65, 1351-1354	3.3	9
65	Localized exciton emission from ZnO nanocrystalline films. *Journal of Applied Physics*, **2010**, 107, 053524	2.5	9
64	Controllable Synthesis of Ordered ZnO Nanodots Arrays by Nanosphere Lithography. *Crystal Growth and Design*, **2008**, 8, 2917-2920	3.5	9
63	Photoluminescence properties of ZnO nanoneedles grown by metal organic chemical vapor deposition. *Journal of Applied Physics*, **2008**, 104, 064311	2.5	9
62	Optical properties of nanometre AgI/silica composite synthesized by a simple quenching method. *Journal of Physics Condensed Matter*, **2003**, 15, 4869-4876	1.8	9
61	Optical properties of Na-doped ZnO nanorods grown by metalorganic chemical vapor deposition. *Materials Letters*, **2015**, 160, 547-549	3.3	8
60	Synthesis and Characterization of Ultrathin Tin-Doped Zinc Oxide Nanowires. *European Journal of Inorganic Chemistry*, **2012**, 2012, 4268-4272	2.3	8
59	Dependence of photoluminescence of ZnO/Zn0.85Mg0.15O multi-quantum wells on barrier width. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 3281-3284	2.3	8
58	Silicene Quantum Dots Confined in Few-Layer Siloxene Nanosheets for Blue-Light-Emitting Diodes. *ACS Applied Nano Materials*, **2020**, 3, 538-546	5.6	8
57	Large-area ZnO/MoS2 heterostructure grown by pulsed laser deposition. *Materials Letters*, **2019**, 253, 187-190	3.3	7

56	Epitaxial growth of non-polar m-plane ZnO thin films by pulsed laser deposition. *Materials Research Bulletin*, **2012**, 47, 2235-2238	5.1	7
55	Fabrication and properties of Li-doped ZnCoO diluted magnetic semiconductor thin films. *Superlattices and Microstructures*, **2011**, 50, 261-268	2.8	7
54	Fabrication and post-anneal activation of p-type ZnMgO:Li film using dc reactive magnetron sputtering. *Materials Letters*, **2008**, 62, 2554-2556	3.3	7
53	R-phycoerythrin proteins@ZIF-8 composite thin films for mercury ion detection. *Analyst, The*, **2019**, 144, 3892-3897	5	6
52	Effects of diffusion temperature and diffusion time on fabrication of Na-diffused p-type ZnO thin films. *Materials Letters*, **2012**, 80, 175-177	3.3	6
51	Evidence for barrier-to-well injection of carriers in high quality ZnO/Zn0.9Mg0.1O multiple quantum wells grown on (111) Si. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2012**, 376, 1515-1518	2.3	6
50	Hole traps and Cu-related shallow donors in ZnO nanorods revealed by temperature-dependent photoluminescence. *Physical Chemistry Chemical Physics*, **2013**, 15, 7484-7	3.6	6
49	Evidence for the carbon-nitrogen complex in ZnO nanostructures with very high nitrogen doping. *Physical Chemistry Chemical Physics*, **2013**, 15, 1369-73	3.6	6
48	Unexpected magnetization enhancement in hydrogen plasma treated ferromagnetic (Zn,Cu)O film. *Applied Physics Letters*, **2014**, 105, 072414	3.4	6
47	Negative thermal quenching of the 3.338eV emission in ZnO nanorods. *Solid State Communications*, **2012**, 152, 1757-1760	1.6	6
46	Microstructure and defect investigations of the as-grown and annealed ZnO/Si thin films. *Journal of Applied Physics*, **2007**, 102, 053521	2.5	6
45	Thermochemical process occurring in PLD-derived SiC films during vacuum annealing. *Applied Surface Science*, **2002**, 193, 204-209	6.7	6
44	Ambience dependent photoluminescence reveals the localization and trap filling effects in CH3NH3PbI3⊠Clx perovskite films. *Journal of Materials Chemistry C*, **2017**, 5, 54-58	7.1	5
43	Determination of Na acceptor level in Na+ ion-implanted ZnO single crystal. *Applied Physics A: Materials Science and Processing*, **2015**, 118, 1229-1232	2.6	5
42	Surface plasmon enhanced photoluminescence from porous silicon nanowires decorated with gold nanoparticles. *RSC Advances*, **2016**, 6, 59395-59399	3.7	5
41	Acceptor evolution in Na-implanted a-plane bulk ZnO revealed by photoluminescence. *Journal of Applied Physics*, **2017**, 122, 095701	2.5	5
40	Vibronic Fine Structures on the ${sim}3.0$ eV Violet Emission in Ion-Implanted ZnO Nanorods. *Applied Physics Express*, **2012**, 5, 112102	2.4	5
39	Synthesis and Characterization of Highly Faceted (Zn,Cd)O Nanorods with Nonhexagonal Cross Sections. *Crystal Growth and Design*, **2009**, 9, 5043-5048	3.5	5

38	Correlation between the 3.31-eV emission and the doping level in indium-doped ZnO nanostructures. *Solid State Communications*, **2010**, 150, 2303-2305	1.6	5
37	ZnO nanowires grown along the non-polar direction. *Materials Letters*, **2008**, 62, 1393-1395	3.3	5
36	Effect of oxygen pressure on structural and electrical properties of pulsed laser deposition-derived Zn0.95Mg0.05O: Li thin films. *Journal Physics D: Applied Physics*, **2007**, 40, 3229-3232	3	5
35	Vapor phase growth and photoluminescence of oriented-attachment Zn2GeO4 nanorods array. *Journal of Crystal Growth*, **2016**, 451, 170-173	1.6	5
34	Tailoring the lateral size of two-dimensional silicon nanomaterials to produce highly stable and efficient deep-blue emissive silicene-like quantum dots. *Journal of Materials Chemistry C*, **2021**, 9, 10065-10072	7.1	5
33	Recombination dynamics of excitons in ZnO/ZnMgO multiple quantum wells grown on silicon substrate. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	4
32	Annealing-induced changes of the 3.31 eV emission in ZnO nanorods. *Applied Physics A: Materials Science and Processing*, **2014**, 115, 879-883	2.6	4
31	Comparison of structural and optical properties of polar and non-polar ZnO/Zn0.9Mg0.1O MQWs fabricated on sapphire substrates by pulsed laser deposition. *Materials Letters*, **2013**, 110, 31-33	3.3	4
30	Effects of annealing temperature on excitonic emissions from Na-implanted ZnO nanorods. *Materials Letters*, **2013**, 90, 76-78	3.3	4
29	Room temperature photoluminescence from Zr4+-doped sol□gel silica. *Solid State Communications*, **2003**, 126, 639-643	1.6	4
28	Annealing-induced change of hydrogen behavior in ZnO nanorods revealed by photoluminescence. *Materials Letters*, **2015**, 158, 80-83	3.3	3
27	All-wurtzite ZnO/ZnSe hetero-nanohelix: formation, mechanics and luminescence. *Nanoscale*, **2015**, 7, 7299-306	7.7	3
26	Excitation-intensity and temperature dependences of photoluminescence in ZnMgO film. *Journal of Luminescence*, **2020**, 226, 117456	3.8	3
25	Coexistence of light-induced photoluminescence enhancement and quenching in CHNHPbBr perovskite films.. *RSC Advances*, **2020**, 10, 11054-11059	3.7	3
24	Lead halide perovskites: Recombining faster, emitting brighter. *Science China Materials*, **2018**, 61, 1135-1136	7.1	3
23	Tunable band offset and recombination in ZnO nanowire□dTe quantum dot heterostructures. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	3
22	Self-catalysis induced three-dimensional SiOx nanostructures. *CrystEngComm*, **2011**, 13, 5807	3.3	3
21	Fine structure on the excitonic emission in AgI nanoparticles embedded in silica glass. *Journal of Luminescence*, **2007**, 124, 71-74	3.8	3

20	Room temperature photoluminescence property of boron-doped sol□gel silica. *Materials Research Bulletin*, **2004**, 39, 747-753	5.1	3
19	Mixed Halide Perovskite Films by Vapor Anion Exchange for Spectrally Stable Blue Stimulated Emission. *Small*, **2021**, 17, e2103169	11	3
18	Improved internal quantum efficiency of photoluminescence in zinc ion-implanted ZnO bulk crystals. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	2
17	Investigation on Na Acceptor Level in p-Type Na-Doped ZnMgO Thin Films Prepared by Pulsed Laser Deposition. *Journal of Electronic Materials*, **2019**, 48, 3554-3561	1.9	2
16	Electrically pumped ultraviolet lasing from ZnO in metal-insulator-semi devices. *Applied Physics A: Materials Science and Processing*, **2013**, 111, 689-694	2.6	2
15	Tuning the fluorescence intensity and stability of porous silicon nanowires via mild thermal oxidation. *RSC Advances*, **2017**, 7, 34579-34583	3.7	2
14	Effects of oxygen plasma treatment on the surface properties of Ga-doped ZnO thin films. *Applied Physics A: Materials Science and Processing*, **2014**, 114, 509-513	2.6	2
13	Solvent-Vapor Atmosphere Controls the in Situ Crystallization of Perovskites **2021**, 3, 1172-1180		2
12	Bio-inspired three-dimensional micro-nanoporous graphene for constructing Schottky junction and remarkably enhanced electrochemical detection. *Sensors and Actuators B: Chemical*, **2019**, 281, 245-252	8.5	2
11	Photoluminescence properties of ZnO/ZnMgO multiple quantum wells under high excitation. *Superlattices and Microstructures*, **2020**, 139, 106418	2.8	1
10	Unusual violet photoluminescence in indium-doped ZnO nanowires. *Journal of Applied Physics*, **2018** , 123, 085702	2.5	1
9	Improving metal-enhanced photoluminescence by micro-pattern of metal nanoparticles: a case study of Ag□nCdO system. *Applied Physics A: Materials Science and Processing*, **2014**, 115, 1127-1132	2.6	1
8	Mn2+-mediated energy transfer process as a versatile origin of photoluminescence in graphene oxide. *RSC Advances*, **2014**, 4, 54832-54836	3.7	1
7	Identification of about 100-meV acceptor level in ZnO nanostructures by photoluminescence. *Applied Physics A: Materials Science and Processing*, **2011**, 104, 695-699	2.6	1
6	UV electroluminescence emissions from high-quality ZnO/ZnMgO multiple quantum well active layer light-emitting diodes.. *RSC Advances*, **2021**, 11, 38949-38955	3.7	1
5	A facile interface engineering method to improve the performance of FTO/ZnO/CsPbI3□Brx (x . *Journal of Materials Science: Materials in Electronics*, **2022**, 33, 3711	2.1	0
4	Near-Unity-Efficiency Energy Transfer from Perovskite to Monolayer Semiconductor through Long-Range Migration and Asymmetric Interfacial Transfer. *ACS Applied Materials & Interfaces*, **2021**, 13, 41895-41903	9.5	0
3	Applications in OLED and QLED **2020**, 141-154		

2	Impact of exciton dissociation on the metal-enhanced photoluminescence in ZnO/ZnMgO multiple quantum wells. *Applied Physics A: Materials Science and Processing*, **2015**, 121, 1039-1044	2.6
1	Mixed Halide Perovskite Films by Vapor Anion Exchange for Spectrally Stable Blue Stimulated Emission (Small 39/2021). *Small*, **2021**, 17, 2170202	11