

Peifen Zhu

List of Publications by Citations

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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.

82

papers

2,073

citations

26

h-index

42

g-index

86

ext. papers

2,355

ext. citations

4.5

avg, IF

5.07

L-index

#	Paper	IF	Citations
82	Intense ultraviolet upconversion luminescence from hexagonal NaYF ₄ :Yb ³⁺ /Tm ³⁺ microcrystals. <i>Optics Express</i> , 2008 , 16, 11907-14	3.3	171
81	Light Extraction of Organic Light Emitting Diodes by Defective Hexagonal-Close-Packed Array. <i>Advanced Functional Materials</i> , 2012 , 22, 3454-3459	15.6	145
80	Synthesis, Growth Mechanism, and Tunable Upconversion Luminescence of Yb ³⁺ /Tm ³⁺ -Codoped YF ₃ Nanobundles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 12161-12167	3.8	100
79	FDTD Analysis on Extraction Efficiency of GaN Light-Emitting Diodes With Microsphere Arrays. <i>Journal of Display Technology</i> , 2013 , 9, 317-323		87
78	. <i>Journal of Display Technology</i> , 2013 , 9, 324-332		79
77	Up-conversion white light of Tm ³⁺ /Er ³⁺ /Yb ³⁺ tri-doped CaF ₂ phosphors. <i>Optics Communications</i> , 2008 , 281, 1716-1719	2	77
76	Ultraviolet upconversion emissions of Gd ³⁺ . <i>Optics Letters</i> , 2008 , 33, 857-9	3	76
75	Energy transfer and heat-treatment effect of photoluminescence in Eu ³⁺ -doped TbPO ₄ nanowires. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 467-473	3.3	69
74	Enhanced Photoluminescence of Water Soluble YVO ₄ :Ln ³⁺ (Ln = Eu, Dy, Sm, and Ce) Nanocrystals by Ba ²⁺ Doping. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 17042-17045	3.8	66
73	Ultraviolet upconversion fluorescence from 6D(J) of Gd ³⁺ induced by 980 nm excitation. <i>Optics Letters</i> , 2008 , 33, 2167-9	3	56
72	Controlled synthesis and luminescence properties from cubic to hexagonal NaYF ₄ :Ln ³⁺ (Ln = Eu and Yb/Tm) microcrystals. <i>Journal of Alloys and Compounds</i> , 2009 , 475, 452-455	5.7	53
71	Synthesis and Properties of SiC/SiO ₂ Nanochain Heterojunctions by Microwave Method. <i>Crystal Growth and Design</i> , 2009 , 9, 1431-1435	3.5	47
70	Co-MOF as an electron donor for promoting visible-light photoactivities of g-C ₃ N ₄ nanosheets for CO ₂ reduction. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 514-523	11.3	47
69	Effect of SiO ₂ coating on photoluminescence and thermal stability of BaMgAl ₁₀ O ₁₇ :Eu ²⁺ under VUV and UV excitation. <i>Optical Materials</i> , 2008 , 30, 930-934	3.3	44
68	Mg ²⁺ -Alloyed All-Inorganic Halide Perovskites for White Light-Emitting Diodes by 3D-Printing Method. <i>Advanced Optical Materials</i> , 2019 , 7, 1900916	8.1	37
67	The improvement of thermal stability of BaMgAl ₁₀ O ₁₇ :Eu ²⁺ coated with MgO. <i>Materials Letters</i> , 2008 , 62, 784-786	3.3	37
66	Enhanced ultraviolet up-conversion emissions of Tm ³⁺ /Yb ³⁺ codoped YF ₃ nanocrystals. <i>Journal of Fluorine Chemistry</i> , 2008 , 129, 204-209	2.1	37

65	Dual-Mode Light-Emitting Lanthanide Metal-Organic Frameworks with High Water and Thermal Stability and Their Application in White LEDs. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18934-18943	8.5	36
64	Quantum confinement effect and field emission characteristics of ultrathin 3CβiC nanobelts. <i>Chemical Physics Letters</i> , 2008 , 461, 242-245	2.5	33
63	Photoluminescence studies of Y2O3:Eu3+ under high pressure. <i>Journal of Applied Physics</i> , 2014 , 115, 023502	2.5	32
62	Enhancement of violet and ultraviolet upconversion emissions in Yb3+/Er3+-codoped YF3 nanocrystals. <i>Optical Materials</i> , 2008 , 31, 296-299	3.3	31
61	Zn-Alloyed All-Inorganic Halide Perovskite-Based White Light-Emitting Diodes with Superior Color Quality. <i>Scientific Reports</i> , 2019 , 9, 18636	4.9	30
60	Effect of packing density and packing geometry on light extraction of III-nitride light-emitting diodes with microsphere arrays. <i>Photonics Research</i> , 2015 , 3, 184	6	28
59	Synthesis and upconversion luminescence properties of NaYF4:Yb3+/Er3+ microspheres. <i>Journal of Rare Earths</i> , 2009 , 27, 394-397	3.7	26
58	Ultrastable structure and luminescence properties of Y2O3 nanotubes. <i>Solid State Communications</i> , 2010 , 150, 1208-1212	1.6	26
57	Narrow-linewidth red-emission Eu3+-doped TiO2 spheres for light-emitting diodes. <i>Journal of Applied Physics</i> , 2016 , 119, 124305	2.5	26
56	Multifunctional NaLnF@MOF-Ln Nanocomposites with Dual-Mode Luminescence for Drug Delivery and Cell Imaging. <i>Nanomaterials</i> , 2019 , 9,	5.4	25
55	Tetradic phosphor white light with variable CCT and superlative CRI through organolead halide perovskite nanocrystals. <i>Nanoscale Advances</i> , 2019 , 1, 1791-1798	5.1	24
54	Resonant cavity effect optimization of III-nitride thin-film flip-chip light-emitting diodes with microsphere arrays. <i>Applied Optics</i> , 2015 , 54, 6305-12	0.2	24
53	Synthesis and upconversion luminescence properties of YF3:Yb3+/Tm3+ octahedral nanocrystals. <i>Journal of Fluorine Chemistry</i> , 2009 , 130, 158-161	2.1	24
52	Luminescent properties and thermal stability of BaMgAl10O17:Eu2+ synthesized by sol-gel route. <i>Journal of Alloys and Compounds</i> , 2008 , 454, 245-249	5.7	24
51	Synthesis and green up-conversion fluorescence of colloidal La0.78Yb0.20Er0.02F3/SiO2 core/shell nanocrystals. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 2268-2272	3.3	24
50	Photoluminescence properties and energy transfer in Y2O3:Eu3+ nanophosphors. <i>Chinese Physics B</i> , 2014 , 23, 057801	1.2	20
49	Red photoluminescent Eu-doped YO nanospheres for LED-phosphor applications: Synthesis and characterization. <i>Optics Express</i> , 2018 , 26, 34820-34829	3.3	20
48	UV-Green Emission from Organolead Bromide Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 15041-15046	3.8	19

47	Synthesis and spectral properties of Eu ³⁺ -doped YF ₃ nanobundles. <i>Journal of Fluorine Chemistry</i> , 2008 , 129, 621-624	2.1	19
46	Spectral optimization of white light from hybrid metal halide perovskites. <i>OSA Continuum</i> , 2019 , 2, 1880-1896	1.4	19
45	Saponification Precipitation Method for CsPbBr ₃ Nanocrystals with Blue-Green Tunable Emission. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 1406-1412	3.8	19
44	Synthesis of CsPbBr ₃ and Transformation into Cs ₄ PbBr ₆ Crystals for White Light Emission with High CRI and Tunable CCT. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 12023-12028	3.8	17
43	Enhanced ultraviolet upconversion in YF ₃ :Yb ³⁺ /Tm ³⁺ nanocrystals. <i>Journal of Rare Earths</i> , 2009 , 27, 330-333	3.7	16
42	Size-dependent upconversion luminescence in YF ₃ :Yb ³⁺ /Tm ³⁺ nanobundles. <i>Journal of Fluorine Chemistry</i> , 2008 , 129, 1110-1113	2.1	16
41	Pressure-Induced Amorphization of Strontium Azide. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 12423-12428	3.4	15
40	Aspect ratio engineering of microlens arrays in thin-film flip-chip light-emitting diodes. <i>Applied Optics</i> , 2015 , 54, 10299-303	0.2	13
39	Design of circadian white light-emitting diodes with tunable color temperature and nearly perfect color rendition. <i>OSA Continuum</i> , 2019 , 2, 2413	1.4	13
38	Effect of Pressure on 4-Toluenesulfonyl Azide Studied by Raman Scattering and Synchrotron X-ray Diffraction. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 1032-1039	3.8	12
37	Frustrated total internal reflection in organic light-emitting diodes employing sphere cavity embedded in polystyrene. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 025403	1.7	12
36	Bright Green Upconversion Fluorescence of Yb ³⁺ , Er ³⁺ -codoped Fluoride Colloidal Nanocrystal and Submicrocrystal Solutions. <i>Chemistry Letters</i> , 2007 , 36, 912-913	1.7	12
35	Large-scale synthesis and photoluminescence properties of SiC networks. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 96, 521-527	2.6	11
34	Confinement and antenna effect for ultrasmall Y ₂ O ₃ :Eu ³⁺ nanocrystals supported by MOF with enhanced near-UV light absorption thereby enhanced luminescence and excellently multifunctional applications. <i>Nano Research</i> , 2021 , 14, 720-729	10	11
33	UV Resin Enhanced Stability of Metal Halide Perovskite Nanocrystals for White Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 35-40	4	10
32	Erbium Single Atom Composite Photocatalysts for Reduction of CO under Visible Light: CO Molecular Activation and 4f Levels as an Electron Transport Bridge. <i>Small</i> , 2021 , 17, e2102089	11	10
31	Dual Functions of CO ₂ Molecular Activation and 4f Levels as Electron Transport Bridge in Dysprosium Single Atom Composite Photocatalysts with Enhanced Visible-Light Photoactivities. <i>Advanced Functional Materials</i> , 2021 , 31, 2104976	15.6	10
30	High pressure studies of trimethyltin azide by Raman scattering, IR absorption, and synchrotron X-ray diffraction. <i>RSC Advances</i> , 2016 , 6, 98921-98926	3.7	9

29	High-pressure spectroscopic study of silver azide. <i>RSC Advances</i> , 2016 , 6, 82270-82276	3.7	8
28	High-Pressure Studies of 4-Acetamidobenzenesulfonyl Azide: Combined Raman Scattering, IR Absorption, and Synchrotron X-ray Diffraction Measurements. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 12015-12022	3.4	8
27	Synthesis of ZnO nanosheets by microwave thermal vapor method. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2065-9	1.3	8
26	La3PO7:Eu3+ nanoparticles [A novel red phosphor. <i>Materials Letters</i> , 2008 , 62, 3146-3148	3.3	8
25	Synthesis and upconversion luminescence of YF3:Yb3+ Tm3+ and TiO2-coated YF3:Yb3+, Tm3+ microcrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2032-5	1.3	7
24	Blue-red color-tunable all-inorganic bromide/iodide mixed-halide perovskite nanocrystals using the saponification technique for white-light-emitting diodes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 1616	1.7	7
23	Design rules for white light emitters with high light extraction efficiency. <i>Optics Express</i> , 2019 , 27, A12975-A1307	5.5	7
22	Enhanced Visible-Light Photoactivities of Perovskite-Type LaFeO3 Nanocrystals by Simultaneously Doping Er3+ and Coupling MgO for CO2 Reduction. <i>ChemCatChem</i> , 2020 , 12, 623-630	5.2	7
21	Optical Properties of Eu3+-Doped Y2O3 Nanotubes and Nanosheets Synthesized by Hydrothermal Method. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-10	1.8	6
20	Scalable synthesis of highly luminescent and stable thiocyanate based CsPbX3 perovskite nanocrystals for efficient white light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2021 , 860, 158501	5.7	6
19	Dual functions of CO2 molecular activation and 4f levels as electron transport bridges in erbium single atom composite photocatalysts therefore enhancing visible-light photoactivities. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 15820-15826	13	6
18	Light extraction efficiency enhancement of top-emitting organic light-emitting diodes employing low-Q whispering gallery modes in spheres. <i>Materials Research Express</i> , 2015 , 2, 096202	1.7	5
17	Luminescent lanthanide single atom composite materials: Tunable full-color single phosphor and applications in white LEDs. <i>Chemical Engineering Journal</i> , 2022 , 430, 132782	14.7	5
16	Near Unity PLQY and High Stability of Barium Thiocyanate Based All-Inorganic Perovskites and Their Applications in White Light-Emitting Diodes. <i>Photonics</i> , 2021 , 8, 209	2.2	5
15	High pressure studies of Ni3[(C2H5N5)6(H2O)6](NO3)6·1.5H2O by Raman scattering, IR absorption, and synchrotron X-ray diffraction. <i>RSC Advances</i> , 2016 , 6, 65031-65037	3.7	4
14	Effect of pressure on sodium azide studied by spectroscopic method. <i>Journal of Physics Communications</i> , 2017 , 1, 025002	1.2	4
13	Europium(III) complexes/silica hybrid nanospheres synthesized in microemulsion. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1218-20	1.3	4
12	Substitution of Pb with Mn2+/Nd3+ to improve the luminescence and thermal stability of Cs4PbBr6. <i>Chemical Engineering Journal</i> , 2021 , 423, 130186	14.7	4

11	High-Pressure Raman and Infrared Spectroscopic Studies of Cesium Azide. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 27013-27018	3.8	3
10	Pressure-Induced Phase Transitions and Amorphization of 4-Carboxybenzenesulfonyl Azide. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 25709-25716	3.8	3
9	Large-scale synthesis and photoluminescence properties of aligned multicore SiC-SiO ₂ nanocables. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 1964-8	1.3	3
8	Rare-earth single atom based luminescent composite nanomaterials: Tunable full-color single phosphor and applications in WLEDs. <i>Nano Research</i> , 1	10	3
7	Light Extraction: Light Extraction of Organic Light Emitting Diodes by Defective Hexagonal-Close-Packed Array (Adv. Funct. Mater. 16/2012). <i>Advanced Functional Materials</i> , 2012 , 22, 3453-3453	15.6	2
6	Synthesis and photophysical properties of core-shell Eu(DBM) ₃ phen/TiO ₂ nanohybrids. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1464-7	1.3	2
5	Simultaneous Synthesis, Modification, and DFT Calculation of Three-Color Lead Halide Perovskite Phosphors for Improving Stability and Luminous Efficiency of WLEDs. <i>Advanced Optical Materials</i> , 2101765	8.1	2
4	FDTD modeling of InGaN-based light-emitting diodes with microsphere arrays 2012 ,		1
3	Enhanced luminescence through interface energy transfer in hierarchical heterogeneous nanocomposites and application in white LEDs. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 204-213	9.3	1
2	Synthesis and luminescence properties of Er ³⁺ doped Y(OH) ₃ , NH ₄ Y ₃ F ₁₀ , and YF ₃ nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 1728-32	1.3	0
1	P-110: Light extraction of Phosphorescent OLEDs by Defective Hexagonal-Close-Packed Array. <i>Digest of Technical Papers SID International Symposium</i> , 2012 , 43, 1474-1476	0.5	