

# Haipeng Ji

## List of Publications by Year in descending order

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51  
papers

2,441  
citations

279487

23  
h-index

197535

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g-index

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51  
docs citations

51  
times ranked

2137  
citing authors

#	ARTICLE	IF	CITATIONS
1	TiO <sub>2</sub> -carbon porous nanostructures for immobilization and conversion of polysulfides. Chinese Chemical Letters, 2023, 34, 107229.	4.8	7
2	Enhanced triethylamine-sensing properties of hierarchical molybdenum trioxide nanostructures derived by oxidizing molybdenum disulfide nanosheets. Journal of Colloid and Interface Science, 2022, 605, 624-636.	5.0	25
3	Emitting area limitation via scattering control in phosphor film realizing high-luminance laser lighting. Journal of the European Ceramic Society, 2022, 42, 608-615.	2.8	19
4	Towards improved waterproofness of Mn <sup>4+</sup> -activated fluoride phosphors. Materials Advances, 2022, 3, 3089-3100.	2.6	12
5	Valence State Control of Manganese in MgAl <sub>2</sub> O <sub>4</sub> :Mn <sup>4+</sup> Phosphor by Varying the Al <sub>2</sub> O <sub>3</sub> Crystal Form. Wujia Cailiao Xuebao/Journal of Inorganic Materials, 2021, 36, 513.	0.6	4
6	One-Pot Synthesis of Fe-N-C Species-Modified Carbon Nanotubes for ORR Electrocatalyst with Overall Enhanced Performance Superior to Pt/C. Nano, 2021, 16, 2150028.	0.5	5
7	Solution growth of millimeter-scale Na <sub>2</sub> SiF <sub>6</sub> single crystals for Mn <sup>4+</sup> -doping as red phosphor. Journal of the American Ceramic Society, 2021, 104, 5077-5085.	1.9	11
8	Linear-PEI-Derived Hierarchical Porous Carbon Nanonet Flakes Decorated with MoS <sub>2</sub> as Efficient Polysulfides Stabilization Interlayers for Lithium-Sulfur Battery. Energy & Fuels, 2021, 35, 10303-10314.	2.5	11
9	CaAlSiN <sub>3</sub> :Eu/glass composite film in reflective configuration: A thermally robust and efficient red-emitting color converter with high saturation threshold for high-power high color rendering laser lighting. Ceramics International, 2021, 47, 15307-15312.	2.3	23
10	Microwave-assisted synthesis of hierarchically porous Co <sub>3</sub> O <sub>4</sub> /rGO nanocomposite for low-temperature acetone detection. Journal of Colloid and Interface Science, 2021, 594, 690-701.	5.0	31
11	BaTiF <sub>6</sub> :Mn <sup>4+</sup> Red Phosphor: Synthesis of Single Crystals at Room Temperature and the High Hydrolysis-Resistant Property. Inorganic Chemistry, 2021, 60, 13212-13221.	1.9	7
12	High temperature induced S vacancies in natural molybdenite for robust electrocatalytic nitrogen reduction. Journal of Colloid and Interface Science, 2021, 599, 849-856.	5.0	16
13	Precursor-Engineering Coupled Microwave Molten-Salt Strategy Enhances Photocatalytic Hydrogen Evolution Performance of g-C <sub>3</sub> N <sub>4</sub> Nanostructures. ChemSusChem, 2020, 13, 827-837.	3.6	54
14	Microsized Red Luminescent MgAl <sub>2</sub> O <sub>4</sub> :Mn <sup>4+</sup> Single-Crystal Phosphor Grown in Molten Salt for White LEDs. Inorganic Chemistry, 2020, 59, 18374-18383.	1.9	19
15	Hierarchical three-dimensional MoS <sub>2</sub> /GO hybrid nanostructures for triethylamine-sensing applications with high sensitivity and selectivity. Sensors and Actuators B: Chemical, 2020, 317, 128236.	4.0	67
16	Comparative study of Al <sub>2</sub> O <sub>3</sub> -YAG:Ce composite ceramic and single crystal YAG:Ce phosphors for high-power laser lighting. Ceramics International, 2020, 46, 17923-17928.	2.3	31
17	Bio-inspired SiO <sub>2</sub> -hard-template reconstructed g-C <sub>3</sub> N <sub>4</sub> nanosheets for enhanced photocatalytic hydrogen evolution. Catalysis Science and Technology, 2020, 10, 4655-4662.	2.1	13
18	Industry-friendly synthesis and high saturation threshold of a LuAG:Ce/glass composite film realizing high-brightness laser lighting. Journal of the European Ceramic Society, 2020, 40, 6031-6036.	2.8	30

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19	Enhanced room-temperature ammonia-sensing properties of polyaniline-modified WO <sub>3</sub> nanoplates derived via ultrasonic spray process. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 127892.	4.0	49
20	Ultrabroadband red luminescence of Mn <sup>4+</sup> in MgAl <sub>2</sub> O <sub>4</sub> peaking at 651 nm. <i>Dalton Transactions</i> , 2020, 49, 5711-5721.	1.6	31
21	2D/1D V <sub>2</sub> O <sub>5</sub> Nanoplates Anchored Carbon Nanofibers as Efficient Separator Interlayer for Highly Stable Lithium-Sulfur Battery. <i>Nanomaterials</i> , 2020, 10, 705.	1.9	20
22	Design of a CaAlSiN <sub>3</sub> :Eu/glass composite film: Facile synthesis, high saturation-threshold and application in high-power laser lighting. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4704-4708.	2.8	33
23	Advance in Red-emitting Mn <sup>4+</sup> -activated Oxyfluoride Phosphors. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2020, 35, 847.	0.6	14
24	Local coordination, electronic structure, and thermal quenching of Ce <sup>3+</sup> in isostructural Sr <sub>2</sub> GdAlO <sub>5</sub> and Sr <sub>3</sub> AlO <sub>4</sub> F phosphors. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1316-1328.	1.9	10
25	Linear-Polyethyleneimine-Templated Synthesis of N-Doped Carbon Nanonet Flakes for High-performance Supercapacitor Electrodes. <i>Nanomaterials</i> , 2019, 9, 1225.	1.9	11
26	Intense deep-red zero phonon line emission of Mn <sup>4+</sup> in double perovskite La <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> . <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25108-25117.	1.3	21
27	Preparation, structure, luminescence properties of europium doped zinc spinel structure green-emitting phosphor ZnAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> . <i>Journal of Rare Earths</i> , 2018, 36, 931-938.	2.5	25
28	Preparation and photoluminescence properties of red-emitting phosphor ZnAl <sub>2</sub> O <sub>4</sub> :Eu <sup>3+</sup> with an intense <sup>5</sup> D <sub>0</sub> → <sup>7</sup> F <sub>2</sub> transition. <i>Materials Research Express</i> , 2018, 5, 025501.	0.8	11
29	Red-Shifted Emission in Y <sub>3</sub> MgSiAl <sub>3</sub> O <sub>12</sub> :Ce <sup>3+</sup> Garnet Phosphor for Blue Light-Pumped White Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15659-15665.	1.5	93
30	Phase formation of (Y,Ce) <sub>2</sub> BaAl <sub>4</sub> SiO <sub>12</sub> yellow microcrystal-glass phosphor for blue LED pumped white lighting. <i>Ceramics International</i> , 2017, 43, 6425-6429.	2.3	12
31	New Y <sub>2</sub> BaAl <sub>4</sub> SiO <sub>12</sub> :Ce <sup>3+</sup> yellow microcrystal-glass powder phosphor with high thermal emission stability. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9872-9878.	2.7	66
32	Correction: Î <sup>2</sup> -Sialon nanowires, nanobelts and hierarchical nanostructures: morphology control, growth mechanism and cathodoluminescence properties. <i>Nanoscale</i> , 2016, 8, 14279-14279.	2.8	3
33	Structure evolution and photoluminescence of Lu <sub>3</sub> (Al,Mg) <sub>2</sub> (Al,Si) <sub>3</sub> O <sub>12</sub> :Ce <sup>3+</sup> phosphors: new yellow-color converters for blue LED-driven solid state lighting. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6855-6863.	2.7	271
34	Facile solution-precipitation assisted synthesis and luminescence property of greenish-yellow emitting Ca <sub>6</sub> Ba(PO <sub>4</sub> ) <sub>4</sub> O:Eu <sup>2+</sup> phosphor. <i>Materials Research Bulletin</i> , 2016, 75, 233-238.	2.7	26
35	New garnet structure phosphors, Lu <sub>3-3x</sub> Y <sub>x</sub> MgAl <sub>3</sub> SiO <sub>12</sub> :Ce <sup>3+</sup> (x = 0-3), developed by solid solution design. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2359-2366.	2.7	86
36	Study of erosion wear behavior of MgO stabilized ZrO <sub>2</sub> ceramics due to solid particles impact at elevated temperature. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 933-936.	0.5	2

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37	Phase Transformation in $\text{Ca}_3(\text{PO}_4)_2$ : $\text{Eu}^{2+}$ via the Controlled Quenching and Increased $\text{Eu}^{2+}$ Content: Identification of New Cyan-Emitting $\text{Ca}_3(\text{PO}_4)_2$ : $\text{Eu}^{2+}$ Phosphor. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3280-3284.	1.9	103
38	Discovery of New Solid Solution Phosphors via Cation Substitution-Dependent Phase Transition in $\text{M}_3(\text{PO}_4)_2$ : $\text{Eu}^{2+}$ (M = Ca/Sr/Ba) Quasi-Binary Sets. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2038-2045.	1.5	187
39	Cyan-emitting $\text{LiBaBO}_3$ : $\text{Eu}^{2+}$ phosphor: Crystal structure and luminescence property comparison with $\text{LiSrBO}_3$ : $\text{Eu}^{2+}$ . <i>Chemical Physics Letters</i> , 2015, 628, 21-24.	1.2	18
40	$\text{Fe}(\text{NO}_3)_3$ -assisted large-scale synthesis of $\text{Si}_3\text{N}_4$ nanobelts from quartz and graphite by carbothermal reduction-nitridation and their photoluminescence properties. <i>Scientific Reports</i> , 2015, 5, 8998.	1.6	30
41	Comparative investigations of the crystal structure and photoluminescence property of eulytite-type $\text{Ba}_3\text{Eu}(\text{PO}_4)_3$ and $\text{Sr}_3\text{Eu}(\text{PO}_4)_3$ . <i>Dalton Transactions</i> , 2015, 44, 7679-7686.	1.6	161
42	Preparation, microstructure, and compressive strength of carbon foams derived from sucrose and kaolinite. <i>Journal of Materials Research</i> , 2014, 29, 1018-1025.	1.2	13
43	Synthesis of $\text{Si}_3\text{N}_4$ powder with tunable $\beta$ - $\text{Si}_3\text{N}_4$ content from waste silica fume using carbothermal reduction nitridation. <i>Powder Technology</i> , 2014, 252, 51-55.	2.1	31
44	New Yellow-Emitting Whitlockite-type Structure $\text{Sr}_{1.75}\text{Ca}_{1.25}(\text{PO}_4)_2$ : $\text{Eu}^{2+}$ Phosphor for Near-UV Pumped White Light-Emitting Devices. <i>Inorganic Chemistry</i> , 2014, 53, 5129-5135.	1.9	258
45	$\beta$ - $\text{Si}_3\text{N}_4$ nanowires, nanobelts and hierarchical nanostructures: morphology control, growth mechanism and cathodoluminescence properties. <i>Nanoscale</i> , 2014, 6, 424-432.	2.8	23
46	Cation Substitution Dependent Bimodal Photoluminescence in Whitlockite Structural $\text{Ca}_3\text{Sr}_x(\text{PO}_4)_2$ : $\text{Eu}^{2+}$ (0 $\leq$ x $\leq$ 1) Phosphors. <i>Journal of Applied Physics</i> , 2014, 116, 014301.	1.9	103
47	Phase transformation of coal gangue by aluminothermic reduction nitridation: Influence of sintering temperature and aluminum content. <i>Applied Clay Science</i> , 2014, 101, 94-99.	2.6	18
48	Effect of $\text{La}_2\text{O}_3$ additives on the strength and microstructure of mullite ceramics obtained from coal gangue and $\text{Al}_2\text{O}_3$ . <i>Ceramics International</i> , 2013, 39, 6841-6846.	2.3	69
49	Synthesis of $\text{SiC}$ nanowires by thermal evaporation method without catalyst assistant. <i>Ceramics International</i> , 2013, 39, 1957-1962.	2.3	57
50	Preparation and mechanical properties of $\text{NiCrAl}_2\text{O}_3\text{ZrO}_2$ (8Y) ceramic composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 554, 1-5.	2.6	12
51	Characterization of anionic-cationic surfactants modified montmorillonite and its application for the removal of methyl orange. <i>Chemical Engineering Journal</i> , 2011, 171, 1150-1158.	6.6	178