Haipeng Ji

List of Publications by Year
in descending order

51 papers	2,441 citations	279487 23 h-index	197535 49 g-index
51 all docs	51 docs citations	51 times ranked	2137 citing authors

#	Article	IF	Citations
1	Structure evolution and photoluminescence of Lu₃(Al,Mg)₂(Al,Si)₃O₁₂:Ce³⁺ phosphors: new yellow-color converters for blue LED-driven solid state lighting. Journal of Materials Chemistry C, 2016, 4, 6855-6863.	2.7	271
2	New Yellow-Emitting Whitlockite-type Structure Sr_{1.75}Ca_{1.25}(PO₄)₂:Eu²⁺ Phosphor for Near-UV Pumped White Light-Emitting Devices. Inorganic Chemistry, 2014, 53, 5129-5135.	1.9	258
3	Discovery of New Solid Solution Phosphors via Cation Substitution-Dependent Phase Transition in M₃(PO₄)₂:Eu²⁺ (M = Ca/Sr/Ba) Quasi-Binary Sets. Journal of Physical Chemistry C, 2015, 119, 2038-2045.	1.5	187
4	Characterization of anionâ€"cationic surfactants modified montmorillonite and its application for the removal of methyl orange. Chemical Engineering Journal, 2011, 171, 1150-1158.	6.6	178
5	Comparative investigations of the crystal structure and photoluminescence property of eulytite-type Ba₃Eu(PO₄)₃and Sr₃Eu(PO₄)₃. Dalton Transactions, 2015, 44, 7679-7686.	1.6	161
6	Cation Substitution Dependent Bimodal Photoluminescence in Whitlockite Structural Ca_{3â€"<i>x</i>}Sr_{<i>x</i>}(PO₄)₂:Eu²⁺ (0 â‰) Tj ET Q q 0 0 0 rg BT /Ove	1.9	114
7	Phase Transformation in Ca₃(PO₄)₂:Eu²⁺ via the Controlled Quenching and Increased Eu²⁺ Content: Identification of New Cyanâ€Emitting Î±â€Ca₃(PO₄)₂:Eu²⁺ Phosphor. Journal of the American Ceramic Society, 2015, 98, 3280-3284.	1.9	103
8	Red-Shifted Emission in Y₃MgSiAl₃O₁₂:Ce³⁺ Garnet Phosphor for Blue Light-Pumped White Light-Emitting Diodes. Journal of Physical Chemistry C, 2018, 122, 15659-15665.	1.5	93
9	New garnet structure phosphors, Lu_{3â^'x}Y_xMgAl₃SiO₁₂:Ce³⁺ (x = 0â€"3), developed by solid solution design. Journal of Materials Chemistry C, 2016, 4, 2359-2366.	2.7	86
10	Effect of La 2 O 3 additives on the strength and microstructure of mullite ceramics obtained from coal gangue and Î³-Al 2 O 3. Ceramics International, 2013, 39, 6841-6846.	2.3	69
11	Hierarchical three-dimensional MoS2/GO hybrid nanostructures for triethylamine-sensing applications with high sensitivity and selectivity. Sensors and Actuators B: Chemical, 2020, 317, 128236.	4.0	67
12	New Y₂BaAl₄SiO₁₂:Ce³⁺ yellow microcrystal-glass powder phosphor with high thermal emission stability. Journal of Materials Chemistry C, 2016, 4, 9872-9878.	2.7	66
13	Synthesis of SiC nanowires by thermal evaporation method without catalyst assistant. Ceramics International, 2013, 39, 1957-1962.	2.3	57
14	Precursorâ€Engineering Coupled Microwave Moltenâ€Salt Strategy Enhances Photocatalytic Hydrogen Evolution Performance of gâ€C₃N₄ Nanostructures. ChemSusChem, 2020, 13, 827-837.	3.6	54
15	Enhanced room-temperature ammonia-sensing properties of polyaniline-modified WO3 nanoplates derived via ultrasonic spray process. Sensors and Actuators B: Chemical, 2020, 312, 127892.	4.0	49
16	Design of a CaAlSiN3:Eu/glass composite film: Facile synthesis, high saturation-threshold and application in high-power laser lighting. Journal of the European Ceramic Society, 2020, 40, 4704-4708.	2.8	33
17	Synthesis of Si3N4 powder with tunable Î±/Î²-Si3N4 content from waste silica fume using carbothermal reduction nitridation. Powder Technology, 2014, 252, 51-55.	2.1	31
18	Comparative study of Al2O3-YAG:Ce composite ceramic and single crystal YAG:Ce phosphors for high-power laser lighting. Ceramics International, 2020, 46, 17923-17928.	2.3	31

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19	Ultrabroadband red luminescence of Mn⁴⁺in MgAl₂O₄peaking at 651 nm. Dalton Transactions, 2020, 49, 5711-5721.	1.6	31
20	Microwave-assisted synthesis of hierarchically porous Co3O4/rGO nanocomposite for low-temperature acetone detection. Journal of Colloid and Interface Science, 2021, 594, 690-701.	5.0	31
21	Fe(NO3)3-assisted large-scale synthesis of Si3N4 nanobelts from quartz and graphite by carbothermal reductionâ€“nitridation and their photoluminescence properties. Scientific Reports, 2015, 5, 8998.	1.6	30
22	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
23	Facile solution-precipitation assisted synthesis and luminescence property of greenish-yellow emitting Ca6Ba(PO4)4O:Eu2+ phosphor. Materials Research Bulletin, 2016, 75, 233-238.	2.7	26
24	Preparation, structure, luminescence properties of europium doped zinc spinel structure green-emitting phosphor ZnAl2O4:Eu2+. Journal of Rare Earths, 2018, 36, 931-938.	2.5	25
25	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
26	Î²-Sialon nanowires, nanobelts and hierarchical nanostructures: morphology control, growth mechanism and cathodoluminescence properties. Nanoscale, 2014, 6, 424-432.	2.8	23
27	CaAlSiN3: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
28	Intense deep-red zero phonon line emission of Mn⁴⁺ in double perovskite La₄Ti₃O₁₂. Physical Chemistry Chemical Physics, 2019, 21, 25108-25117.	1.3	21
29	2D/1D V2O5 Nanoplates Anchored Carbon Nanofibers as Efficient Separator Interlayer for Highly Stable Lithiumâ€“Sulfur Battery. Nanomaterials, 2020, 10, 705.	1.9	20
30	Microsized Red Luminescent MgAl₂O₄:Mn⁴⁺ Single-Crystal Phosphor Grown in Molten Salt for White LEDs. Inorganic Chemistry, 2020, 59, 18374-18383.	1.9	19
31	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
32	Phase transformation of coal gangue by aluminothermic reduction nitridation: Influence of sintering temperature and aluminum content. Applied Clay Science, 2014, 101, 94-99.	2.6	18
33	Cyan-emitting LiBaBO3:Eu2+ phosphor: Crystal structure and luminescence property comparison with LiSrBO3:Eu2+. Chemical Physics Letters, 2015, 628, 21-24.	1.2	18
34	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
35	Advance in Red-emitting Mn⁴⁺-activated Oxyfluoride Phosphors. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2020, 35, 847.	0.6	14
36	Preparation, microstructure, and compressive strength of carbon foams derived from sucrose and kaolinite. Journal of Materials Research, 2014, 29, 1018-1025.	1.2	13

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37	Bio-inspired SiO2-hard-template reconstructed g-C3N4 nanosheets for enhanced photocatalytic hydrogen evolution. Catalysis Science and Technology, 2020, 10, 4655-4662.	2.1	13
38	Preparation and mechanical properties of NiCrâ€“Al2O3â€“ZrO2(8Y) ceramic composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 554, 1-5.	2.6	12
39	Phase formation of (Y,Ce)2BaAl4SiO12 yellow microcrystal-glass phosphor for blue LED pumped white lighting. Ceramics International, 2017, 43, 6425-6429.	2.3	12
40	Towards improved waterproofness of Mn⁴⁺-activated fluoride phosphors. Materials Advances, 2022, 3, 3089-3100.	2.6	12
41	Preparation and photoluminescence properties of red-emitting phosphor ZnAl₂O₄:Eu³⁺with an intense⁵D₀â†'⁷F₂transition. Materials Research Express, 2018, 5, 025501.	0.8	11
42	Linear-Polyethyleneimine-Templated Synthesis of N-Doped Carbon Nanonet Flakes for High-performance Supercapacitor Electrodes. Nanomaterials, 2019, 9, 1225.	1.9	11
43	Solution growth of millimeterâ€scale Na₂SiF₆ single crystals for Mn⁴⁺â€doping as red phosphor. Journal of the American Ceramic Society, 2021, 104, 5077-5085.	1.9	11
44	Linear-PEI-Derived Hierarchical Porous Carbon Nanonet Flakes Decorated with MoS₂ as Efficient Polysulfides Stabilization Interlayers for Lithiumâ€“Sulfur Battery. Energy & Fuels, 2021, 35, 10303-10314.	2.5	11
45	Local coordination, electronic structure, and thermal quenching of Ce³⁺ in isostructural Sr₂GdAlO₅ and Sr₃AlO₄F phosphors. Journal of the American Ceramic Society, 2019, 102, 1316-1328.	1.9	10
46	BaTiF₆:Mn⁴⁺ Red Phosphor: Synthesis of Single Crystals at Room Temperature and the High Hydrolysis-Resistant Property. Inorganic Chemistry, 2021, 60, 13212-13221.	1.9	7
47	TiO2-carbon porous nanostructures for immobilization and conversion of polysulfides. Chinese Chemical Letters, 2023, 34, 107229.	4.8	7
48	One-Pot Synthesis of Feâ€“Nâ€“C Species-Modified Carbon Nanotubes for ORR Electrocatalyst with Overall Enhanced Performance Superior to Pt/C. Nano, 2021, 16, 2150028.	0.5	5
49	Valence State Control of Manganese in MgAl₂O₄:Mn⁴⁺ Phosphor by Varying the Al₂O₃ Crystal Form. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2021, 36, 513.	0.6	4
50	Correction: Î²-Sialon nanowires, nanobelts and hierarchical nanostructures: morphology control, growth mechanism and cathodoluminescence properties. Nanoscale, 2016, 8, 14279-14279.	2.8	3
51	Study of erosion wear behavior of MgO stabilized ZrO₂ ceramics due to solid particles impact at elevated temperature. Journal of the Ceramic Society of Japan, 2015, 123, 933-936.	0.5	2