Xudong Sun

List of Publications by Year
in descending order

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123	3,419	126907	182427
papers	citations	33 h-index	51 g-index

124	124	124	2984
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monodispersed Colloidal Spheres for Uniform Y₂O₃:Eu³⁺ Red-Phosphor Particles and Greatly Enhanced Luminescence by Simultaneous Gd³⁺ Doping. Journal of Physical Chemistry C, 2008, 112, 11707-11716.	3.1	297
2	Uniform Colloidal Spheres for (Y_{1â^'x}Gd_x)₂O₃ (x = 0â€“1): Formation Mechanism, Compositional Impacts, and Physicochemical Properties of the Oxides. Chemistry of Materials, 2008, 20, 2274-2281.	6.7	153
3	Greatly enhanced Dy3+ emission via efficient energy transfer in gadolinium aluminate garnet (Gd3Al5O12) stabilized with Lu3+. Journal of Materials Chemistry C, 2013, 1, 7614.	5.5	86
4	Morphology-dependent crystallization and luminescence behavior of (Y,Eu)2O3 red phosphors. Acta Materialia, 2009, 57, 5975-5985.	7.9	85
5	Upconversion luminescence and favorable temperature sensing performance of eulytite-type Sr₃Y(PO₄)₃:Yb³⁺/Ln³⁺ phosphors (Ln=Ho,) Tj ET Q q 1 1 0.784314 r g B	7.1	84
6	Colloidal processing of Gd2O3:Eu3+ red phosphor monospheres of tunable sizes: Solvent effects on precipitation kinetics and photoluminescence properties of the oxides. Acta Materialia, 2011, 59, 3688-3696.	7.9	69
7	Facile synthesis of high silver content MOD ink by using silver oxalate precursor for inkjet printing applications. Thin Solid Films, 2015, 589, 381-387.	1.8	67
8	Microstructure and fracture toughness of nickel particle toughened alumina matrix composites. Journal of Materials Science, 1996, 31, 875-880.	3.7	65
9	From interlayer to lightweight capping layer: Rational design of mesoporous TiO2 threaded with CNTs for advanced Liâ€“S batteries. Carbon, 2019, 143, 523-530.	10.3	64
10	Synthesis of Monodispersed Spherical Yttrium Aluminum Garnet (<scp>YAG</scp>) Powders by a Homogeneous Precipitation Method. Journal of the American Ceramic Society, 2012, 95, 3821-3826.	3.8	61
11	Intragranular Particle Residual Stress Strengthening of Al2O3-SiC Nanocomposites. Journal of the American Ceramic Society, 2005, 88, 1536-1543.	3.8	59
12	The effects of Gd3+ substitution on the crystal structure, site symmetry, and photoluminescence of Y/Eu layered rare-earth hydroxide (LRH) nanoplates. Dalton Transactions, 2012, 41, 1854-1861.	3.3	58
13	Transparent Nd:YAG Ceramics Fabricated Using Nanosized Î³â€Alumina and Yttria Powders. Journal of the American Ceramic Society, 2009, 92, 241-244.	3.8	57
14	Sacrificial conversion of layered rare-earth hydroxide (LRH) nanosheets into (Y_{1â^'x}Eu_x)PO₄ nanophosphors and investigation of photoluminescence. Dalton Transactions, 2016, 45, 5290-5299.	3.3	55
15	Sol-gel processing of Eu3+ doped Li6CaLa2Nb2O12 garnet for efficient and thermally stable red luminescence under near-ultraviolet/blue light excitation. Chemical Engineering Journal, 2019, 375, 121937.	12.7	54
16	Crystal Structure and Photoluminescence Properties of Redâ€Emitting Ca₉La_{1â^'x}(VO₄)₇:xEu³⁺ Phosphors for White Lightâ€Emitting Diodes. Journal of the American Ceramic Society, 2010, 93, 4081-4086.	3.8	53
17	The development of Ce³⁺-activated (Gd,Lu)₃Al₅O₁₂garnet solid solutions as efficient yellow-emitting phosphors. Science and Technology of Advanced Materials, 2013, 14, 054201.	6.1	53
18	Layered rare-earth hydroxide and oxide nanoplates of the Y/Tb/Eu system: phase-controlled processing, structure characterization and color-tunable photoluminescence via selective excitation and efficient energy transfer. Science and Technology of Advanced Materials, 2013, 14, 015006.	6.1	50

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19	One-step freezing temperature crystallization of layered rare-earth hydroxide (Ln₂(OH)₅NO₃Â·nH₂O) nanosheets for a wide spectrum of Ln (Ln = Prâ€“Er, and Y), anion exchange with fluorine and sulfate, and microscopic coordination probed via photoluminescence. Journal of Materials Chemistry C, 2015, 3, 3428-3437.	5.5	50
20	Temperature Dependent Luminescence of Yellowâ€Emitting Î±â€Sialon:Eu²⁺ Oxynitride Phosphors for White Lightâ€Emitting Diodes. Journal of the American Ceramic Society, 2009, 92, 2668-2673.	3.8	48
21	Tb³⁺- and Eu³⁺-Doped Lanthanum Oxysulfide Nanocrystals. Gelatin-Templated Synthesis and Luminescence Properties. Journal of Physical Chemistry C, 2008, 112, 2353-2358.	3.1	45
22	Microwave Synthesis of Homogeneous YAG Nanopowder Leading to a Transparent Ceramic. Journal of the American Ceramic Society, 2009, 92, 1217-1223.	3.8	45
23	Crystallization of FeOOH via iron salts: an anion-chemoaffinity controlled hydrolysis toward high performance inorganic pseudocapacitor materials. CrystEngComm, 2015, 17, 1917-1922.	2.6	45
24	Effects of Gd³⁺ Substitution on the Fabrication of Transparent (Y_{1â^'x}Gd_x)₃Al₅O₁₂ Ceramics. Journal of the American Ceramic Society, 2010, 93, 2229-2235.	3.8	43
25	Effective lattice stabilization of gadolinium aluminate garnet (GdAG) via Lu³⁺doping and development of highly efficient (Gd,Lu)AG:Eu³⁺red phosphors. Science and Technology of Advanced Materials, 2012, 13, 035007.	6.1	43
26	Tens of micron-sized unilamellar nanosheets of Y/Eu layered rare-earth hydroxide: efficient exfoliation via fast anion exchange and their self-assembly into oriented oxide film with enhanced photoluminescence. Science and Technology of Advanced Materials, 2014, 15, 014203.	6.1	42
27	The effects of citric acid on the synthesis and performance of silverâ€“tin oxide electrical contact materials. Journal of Alloys and Compounds, 2014, 588, 30-35.	5.5	41
28	Well-defined crystallites autoclaved from the nitrate/NH4OH reaction system as the precursor for (Y,Eu)2O3 red phosphor: Crystallization mechanism, phase and morphology control, and luminescent property. Journal of Solid State Chemistry, 2012, 192, 229-237.	2.9	39
29	Ethylenediamine-assisted crystallization of Fe₂O₃microspindles with controllable size and their pseudocapacitance performance. CrystEngComm, 2015, 17, 1521-1525.	2.6	39
30	A homogeneous co-precipitation method to synthesize highly sinterability YAG powders for transparent ceramics. Ceramics International, 2015, 41, 3283-3287.	4.8	38
31	Ag/Ti3AlC2 composites with high hardness, high strength and high conductivity. Materials Letters, 2018, 213, 269-273.	2.6	36
32	Zn₃Ga₂Ge₂O₁₀:Cr³⁺ Uniform Microspheres: Template-Free Synthesis, Tunable Bandgap/Trap Depth, and In Vivo Rechargeable Near-Infrared-Persistent Luminescence. ACS Applied Bio Materials, 2019, 2, 577-587.	4.6	35
33	Development of Eu3+ activated monoclinic, perovskite, and garnet compounds in the Gd2O3â€“Al2O3 phase diagram as efficient red-emitting phosphors. Journal of Solid State Chemistry, 2013, 206, 104-112.	2.9	34
34	Garnet-structured Li6CaLa2Nb2O12:Yb/Er new phosphor showing superior performance of optical thermometry. Scripta Materialia, 2020, 185, 140-145.	5.2	34
35	A low temperature and air-sinterable copperâ€“diamine complex-based metal organic decomposition ink for printed electronics. Journal of Materials Chemistry C, 2018, 6, 6406-6415.	5.5	33
36	Photocatalytic growth of Ag nanocrystals on hydrothermally synthesized multiphasic TiO2/reduced graphene oxide (rGO) nanocomposites and their SERS performance. Applied Surface Science, 2017, 423, 1-12.	6.1	32

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37	Excellent anti-arc erosion performance and corresponding mechanisms of a nickel-belt-reinforced silver-based electrical contact material. Journal of Alloys and Compounds, 2019, 788, 163-171.	5.5	32
38	Morphology-controllable synthesis and thermal decomposition of Ag and Ni oxalate for Ag-Ni alloy electrical contact materials. Materials and Design, 2016, 108, 640-647.	7.0	31
39	Synthesis and optical properties of (Gd1â^'x,Eux)2O2SO4 nano-phosphors by a novel co-precipitation method. Materials Research Bulletin, 2009, 44, 1822-1827.	5.2	30
40	Foamed single-crystalline anatase nanocrystals exhibiting enhanced photocatalytic activity. Journal of Materials Chemistry A, 2015, 3, 17837-17848.	10.3	30
41	Microstructure evolution and mechanical behavior of Ni-based single crystal superalloy joint brazed with mixed powder at elevated temperature. Journal of Materials Science and Technology, 2017, 33, 1219-1226.	10.7	30
42	Gadolinium Aluminate Garnet (<scp><scp>Gd₃Al₅O₁₂</scp></scp>): Crystal Structure Stabilization via Lutetium Doping and Properties of the (<scp><scp>Gd</scp></scp>_{1â^'x}<scp><scp>Lu</scp></scp>_x)₃<scp><scp>Al<su Solid Solutions (xÂ=Â0â€“0.5). Journal of the American Ceramic Society, 2012, 95, 931-936.	3.8	29
43	A bipolar modified separator using TiO2 nanosheets anchored on N-doped carbon scaffold for high-performance Liâ€“S batteries. Journal of Materials Science and Technology, 2020, 55, 152-158.	10.7	29
44	Hydrothermal assisted synthesis and photoluminescence of (Y1-Eu)2WO6 red phosphors. Journal of Alloys and Compounds, 2017, 695, 1984-1992.	5.5	28
45	Selective Crystallization of Four Tungstates (La₂W₃O₁₂,) Tj ETQq1 1 0.784314 rgBT /Overloc Eu³⁺ Luminescence. Inorganic Chemistry, 2018, 57, 6632-6640.	4.0	28
46	Tb3+/Eu3+ codoping of Lu3+-stabilized Gd3Al5O12 for tunable photoluminescence via efficient energy transfer. Journal of Alloys and Compounds, 2016, 670, 161-169.	5.5	27
47	The effects of Mg2+/Si4+ substitution on crystal structure, local coordination and photoluminescence of (Gd,Lu)3Al5O12:Ce garnet phosphor. Journal of Alloys and Compounds, 2019, 797, 477-485.	5.5	26
48	Hexagonal Boron Nitride Nanosheets Grown via Chemical Vapor Deposition for Silver Protection. ACS Applied Nano Materials, 2019, 2, 2830-2835.	5.0	26
49	Monodisperse colloidal spheres for (Y,Eu)2O3red-emitting phosphors: establishment of processing window and size-dependent luminescence behavior. Science and Technology of Advanced Materials, 2011, 12, 055001.	6.1	24
50	Preparation of transparent Y2O3 ceramic by slip casting and vacuum sintering. Journal of Rare Earths, 2012, 30, 57-62.	4.8	24
51	Facile and green synthesis of (La_{0.95}Eu_{0.05})₂O₂S red phosphors with sulfate-ion pillared layered hydroxides as a new type of precursor: controlled hydrothermal processing, phase evolution and photoluminescence. Science and Technology of Advanced Materials, 2014, 15, 014204.	6.1	23
52	Hydrothermal conversion of layered hydroxide nanosheets into (Y_{0.95}Eu_{0.05})PO₄ and (Y_{0.96â^'x}Tb_{0.04}Eu_x)PO₄ (x = 0â€“0.10) nanocrystals for red and color-tailorable emission. RSC Advances, 2016, 6, 22690-22699.	3.6	23
53	A new protocol for templated synthesis of YVO4:Ln luminescent crystallites (Ln=Eu, Dy, Sm). Journal of Alloys and Compounds, 2019, 776, 773-781.	5.5	23
54	Controlled synthesis and the effects of Gd 3+ substitution, calcination, and particle size on photoluminescence of (Y 0.95â^' x Gd x Tb 0.05) 2 O 3 green phosphor spheres. Chemical Engineering Journal, 2016, 306, 322-329.	12.7	22

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55	Blueâ€Emitting Li₂Sr_{1â^'3x/2}Ce_xSiO₄ Phosphors for Ultraviolet White Lightâ€Emitting Diodes. Journal of the American Ceramic Society, 2010, 93, 2018-2023.	3.8	21
56	Photoluminescence properties of phosphors based on Lu3+-stabilized Gd3Al5O12:Tb3+/Ce3+ garnet solid solutions. Optical Materials, 2016, 62, 328-334.	3.6	21
57	NaLaW₂O₇(OH)₂(H₂O): Crystal Structure and RE³⁺ Luminescence in the Pristine and Annealed Double Tungstates (RE = Eu, Tb, Sm, and) Tj ETQq1 1 0.784314 rgBT /Ove	4.0	21
58	Multi-Color Luminescent m-LaPO₄:Ce/Tb Monospheres of High Efficiency via Topotactic Phase Transition and Elucidation of Energy Interaction. Inorganic Chemistry, 2019, 58, 890-899.	4.0	21
59	Fabrication of Gd₂O₃â€MgO nanocomposite optical ceramics with varied crystallographic modifications of Gd₂O₃ constituent. Journal of the American Ceramic Society, 2018, 101, 4887-4891.	3.8	20
60	Surface-functionalized graphite felts: Enhanced performance in cerium-based redox flow batteries. Carbon, 2018, 138, 363-368.	10.3	20
61	New Mg²⁺/Ge⁴⁺-Stabilized Gd₃Mg_xGe_xAl_{5â€“2x}O₁₂:Ce Garnet Phosphor with Orange-Yellow Emission for Warm-White LEDs (x = 2.0â€“2.5). Inorganic Chemistry, 2021, 60, 9773-9784.	4.0	20
62	Yellowâ€Emitting <scp><scp>Y</scp></scp>₃<scp><scp>Si</scp></scp>₆<scp><scp>N</scp></scp>₁₁: <scp><scp>Ce</scp></scp>³⁺ Phosphors for White Lightâ€“Emitting Diodes (<scp>LED</scp>s). Journal of the American Ceramic Society, 2013, 96, 1688-1690.	3.8	18
63	Structure properties and sintering densification of Gd2Zr2O7 nanoparticles prepared via different acid combustion methods. Journal of Rare Earths, 2015, 33, 195-201.	4.8	18
64	Gel-combustion assisted synthesis of eulytite-type Sr3Y(PO4)3 as a single host for narrow-band Eu3+ and broad-band Eu2+ emissions. Ceramics International, 2017, 43, 15107-15114.	4.8	18
65	Breaking the strong 1D growth habit to yield quasi-equiaxed REPO₄ nanocrystals (RE =) Tj ETQq1 1 0.784314 rgBT /Overlo 2018, 20, 796-806.	2.6	18
66	Photoluminescent and cathodoluminescent performances of Tb³⁺ in Lu³⁺-stabilized gadolinium aluminate garnet solid-solutions of [(Gd_{1â^'x}Lu_x)_{1â^'y}Tb_y]₃Al₅O₁₂. RSC Advances, 2015, 5, 59686-59695.	3.6	17
67	Morphology-tunable synthesis and formation mechanism of SnO2 particles and their application in Agâ€“SnO2 electrical contact materials. Ceramics International, 2022, 48, 6052-6061.	4.8	17
68	High strength, low modulus and biocompatible porous Tiâ€“Moâ€“Fe alloys. Journal of Porous Materials, 2014, 21, 913-919.	2.6	16
69	(Y,Tb,Eu)₂O₃ monospheres for highly fluorescent films and transparent hybrid films with color tunable emission. RSC Advances, 2015, 5, 36122-36128.	3.6	16
70	Temperature-driven deintercalation and structure evolution of Ag/Ti3AlC2 composites. Ceramics International, 2018, 44, 18129-18134.	4.8	16
71	Al₂O₃/yttrium compound coreâ€“shell structure formation with burst nucleation: a process driven by electrostatic attraction and high surface energy. RSC Advances, 2014, 4, 55400-55406.	3.6	15
72	Dispersion of nano-sized yttria powder using triammonium citrate dispersant for the fabrication of transparent ceramics. Ceramics International, 2016, 42, 9737-9743.	4.8	15

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73	Synthesis of Dispersed Anatase Microspheres with Hierarchical Structures via Homogeneous Precipitation. European Journal of Inorganic Chemistry, 2009, 2009, 1214-1218.	2.0	14
74	Controlled Photocatalytic Growth of Ag Nanocrystals on Brookite and Rutile and Their SERS Performance. ACS Applied Materials & Interfaces, 2014, 6, 236-243.	8.0	14
75	Direct Crystallization of Sulfateâ€Type Layered Hydroxide, Derivation of (Gd,Tb)₂O₃ Green Phosphor, and Photoluminescence. Journal of the American Ceramic Society, 2015, 98, 3236-3242.	3.8	14
76	[(Y_{1â^'x}Gd_x)_{0.95}Eu_{0.05}]₂(OH)₅NO₃Â·nH<s (0 â‰¤ x â‰¤ 0.50) layered rare-earth hydroxides: exfoliation of unilamellar and single-crystalline nanosheets, assembly of highly oriented and transparent oxide films, and greatly enhanced red photoluminescence by Gd³⁺ doping. RSC Advances, 2015, 5, 64588-64595.	3.6	14
77	Effects of pre-treatment of starting powder with sulfuric acid on the fabrication of yttria transparent ceramics. Journal of the European Ceramic Society, 2015, 35, 2369-2377.	5.7	14
78	Yellow-emitting (Tb 1â^'x Ce x) 3 Al 5 O 12 phosphor powder and ceramic (0â‰¤xâ‰¤0.05): Phase evolution, photoluminescence, and the process of energy transfer. Ceramics International, 2017, 43, 8163-8170.	4.8	14
79	(La0.97RE0.01Yb0.02)2O2S Nanophosphors Converted from Layered Hydroxyl Sulfate and Investigation of Upconversion Photoluminescence (RE=Ho, Er). Nanoscale Research Letters, 2017, 12, 508.	5.7	14
80	White-light emitting (Y,Gd)PO4:Dy3+ microspheres: Gd3+ mediated morphology tailoring and selective energy transfer and correlation of photoluminescence behaviors. Materials Research Bulletin, 2019, 110, 149-158.	5.2	14
81	Regulating anti-site defects in MgGa2O4:Mn4+ through Mg2+/Ge4+ doping to greatly enhance broadband red emission for plant cultivation. Journal of Materials Research and Technology, 2021, 13, 1-12.	5.8	14
82	Synthesis and luminescence properties of BiPO4:Ce,Tb nanorods. Journal of Luminescence, 2014, 152, 37-39.	3.1	13
83	Synthesis of equal-sized Y2O3:Bi,Eu mono-spheres and their color-tunable photoluminescence and thermal quenching properties. Ceramics International, 2018, 44, 18462-18470.	4.8	13
84	Coating Y2O3 nano-particles with ZrO2-additive via precipitation method for colloidal processing of highly transparent Y2O3 ceramics. Journal of the European Ceramic Society, 2019, 39, 4996-5004.	5.7	13
85	Two-step crystallization of a phase-pure Ln₂(OH)₅NO₃Â·nH₂O layered compound for the smallest Ln ions of Tm, Yb and Lu, anion exchange, and exfoliation. Dalton Transactions, 2017, 46, 12683-12691.	3.3	12
86	Enhanced hydrothermal crystallization and color tailorable photoluminescence of hexagonal structured YPO₄:Sm/Tb nanorods. CrystEngComm, 2018, 20, 2357-2365.	2.6	12
87	The effects of Ga3+ substitution on local structure and photoluminescence of Tb3Al5O12:Ce garnet phosphor. Ceramics International, 2018, 44, 8684-8690.	4.8	12
88	Multi-color luminescence and thermal stability of eulytite-type Ba3La(PO4)3:Ce3+,Mn2+ phosphors via gel-combustion. Journal of Alloys and Compounds, 2019, 787, 495-502.	5.5	12
89	Hydrothermal-assisted exfoliation of Y/Tb/Eu ternary layered rare-earth hydroxides into tens of micron-sized unilamellar nanosheets for highly oriented and color-tunable nano-phosphor films. Nanoscale Research Letters, 2015, 10, 132.	5.7	11
90	Multi-color emission in monodispersed spheres of tetragonal yttrium phosphate: microwave-assisted fast synthesis, formation mechanism, temperature-dependent luminescence, and application in anti-fake labeling. CrystEngComm, 2018, 20, 3187-3201.	2.6	11

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91	Grafting organic antenna onto rare earth hydroxynitrate nanosheets for excitation-dependent and greatly enhanced photoluminescence by multi-modal energy transfer. Applied Surface Science, 2019, 489, 142-148.	6.1	11
92	Porous Y2O3 fiber-reinforced silver composite exhibiting enhanced mechanical and electrical properties. Ceramics International, 2019, 45, 1881-1886.	4.8	11
93	Interacting layered hydroxide nanosheets with KF leading to Y/Eu hydroxyfluoride, oxyfluoride, and complex fluoride nanocrystals and investigation of photoluminescence. RSC Advances, 2017, 7, 53032-53042.	3.6	10
94	Luminescent Thermometry by a Y/Eu Binary Layered Rareâ€Earth Hydroxide (LRH) via In Situ Intercalation with Neutral Terbium(III) Complexes. Chemistry - an Asian Journal, 2018, 13, 3664-3669.	3.3	10
95	A novel method for improving particle growth and photoluminescence through Fâ˜ substituting for gallery NO3â˜ in layered Y/Eu hydroxides. Chemical Engineering Journal, 2020, 380, 122618.	12.7	10
96	Controlled hydrothermal processing of multiform (Y0.95Eu0.05)PO4 crystals and comparison of photoluminescence. Journal of Alloys and Compounds, 2021, 870, 159380.	5.5	10
97	Site-selective and cooperative doping of Gd₃Al₅O₁₂:Ce garnets for structural stabilization and warm WLED lighting of low CCT and high CRI. Dalton Transactions, 2022, 51, 645-654.	3.3	10
98	Synthesis of nanopowders with low agglomeration by elaborating Î¦ values for producing Gd2O3-MgO nanocomposites with extremely fine grain sizes and high mid-infrared transparency. Journal of the European Ceramic Society, 2021, 41, 2898-2907.	5.7	9
99	Metal-organic frameworks derived In-based nanoparticles encapsulated by carbonaceous matrix for highly efficient energy storage. Applied Surface Science, 2020, 513, 145894.	6.1	8
100	Coordination polymer templated engineering of YVO₄:Eu submicron crystals and photoluminescence. CrystEngComm, 2020, 22, 1024-1031.	2.6	8
101	KLn(MoO₄)₂ micro/nanocrystals (Ln = Laâ€“Lu, Y): systematic hydrothermal crystallization, structure, and the performance of doped Eu³⁺ for optical thermometry. Dalton Transactions, 2021, 50, 17703-17715.	3.3	8
102	O/N/S trifunctional doping onÂgraphite felts: A novel strategy toward performance boostingÂof ceriumâ€based redox flow batteries. , 2021, 3, 752-761.		7
103	Characterization of Highâ€Gadolinium Y_{0.6}Gd_{1.34}Eu_{0.06}O₃Powder and Fabrication of Transparent Ceramic Scintillator Using Pressureless Sintering. International Journal of Applied Ceramic Technology, 2010, 7, E1.	2.1	6
104	Novel porous calcium aluminate/phosphate nanocomposites: in situ synthesis, microstructure and permeability. Nanoscale, 2016, 8, 3599-3606.	5.6	6
105	Well-dispersed (Y_{0.95}â˜x</sub>Gd_xEu_{0.05})(B(OH)₄)CO₃ colloidal spheres as a novel precursor for orthoborate red phosphor and the effects of Gd³⁺ doping on structure and luminescence. CrystEngComm, 2018, 20, 4546-4555.	2.6	6
106	Influence of ammonium sulfate on YAG nanopowders and Yb:YAG ceramics synthesized by a novel homogeneous co-precipitation method. Journal of Rare Earths, 2018, 36, 981-985.	4.8	6
107	Identification of catalytic sites for cerium redox reactions in a metal-organic framework derived powerful electrocatalyst. Energy Storage Materials, 2020, 32, 11-19.	18.0	6
108	Effect of annealing on microstructure and luminescence characteristics in spark plasma sintered Ce3+-activated (Gd, Lu)3Al5O12 garnet ceramics. Journal of the European Ceramic Society, 2021, 41, 1586-1592.	5.7	6

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109	Influence of Yb and Si on the fabrication of Yb:YAG transparent ceramics using spherical Y2O3 powders. Ceramics International, 2019, 45, 17354-17362.	4.8	5
110	Systematic synthesis of REVO4 micro/nano crystals with selective exposure of high energy {001} facets and luminescence (RE = Lanthanide and Y0.95Eu0.05). Journal of Materials Research and Technology, 2020, 9, 12547-12558.	5.8	5
111	Synthesis via interfacial precipitation, color-tunable photoluminescence and improved thermal stability of (Ce1-Tb)PO4 (x = 0â€“1) microspheres by energy transfer. Optical Materials, 2019, 94, 64-74.	3.6	4
112	Self-Template Synthesis of Nitrogen-Doped Hollow Carbon Nanospheres with Rational Mesoporosity for Efficient Supercapacitors. Materials, 2021, 14, 3619.	2.9	4
113	Remarkable structure and luminescence regulation of a Gd₂LuAl₅O₁₂:Ce garnet phosphor with a Ca²⁺/Si⁴⁺ pair for high-quality w-WLED lighting. Dalton Transactions, 2022, 51, 3159-3169.	3.3	4
114	Homogeneous Precipitation Synthesis and Magnetic Properties of Cobalt Ferrite Nanoparticles. Journal of Nanomaterials, 2008, 2008, 1-4.	2.7	3
115	Fabrication and Luminescent Properties of YAG:Ce Transparent Microspheres by Laser Heating. IEEE Transactions on Nuclear Science, 2014, 61, 362-366.	2.0	3
116	The Fabrication of Monoclinic Gd$_{2}$O$_{3}$ Transparent Microspheres and Scintillator Array via Laser Heating. IEEE Transactions on Nuclear Science, 2014, 61, 367-372.	2.0	3
117	Processing and Properties of BioCeramic Coatings onto 3D Tiâ€Mesh by DipCasting Method. International Journal of Applied Ceramic Technology, 2014, 11, 1030-1038.	2.1	2
118	Quasi-Continuous Network Structure Greatly Improved the Anti-Arc-Erosion Capability of Ag/Y2O3 Electrical Contacts. Materials, 2022, 15, 2450.	2.9	2
119	Nanoscaled Interface Between Microgold Particles and Biphase Glassâ€Ceramic Matrix. Journal of the American Ceramic Society, 2013, 96, 3662-3669.	3.8	1
120	Preparation of MoSi₂ Coating on Mo Substrate for Oxidation Resistance by a Facile Method. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 230-234.	0.5	1
121	Sol-gel processing, spectral features and thermal stability of Li-stuffed Li6CaLa2Nb2O12:RE garnet phosphors (RE = Pr, Sm, Tb, Dy). Optical Materials, 2022, 123, 111825.	3.6	1
122	Synthesis of Biâ€“Pbâ€“Snâ€“Cd solder particles for joining Ag-plated PZT ceramics at 100 Â°C. Journal of Materials Science: Materials in Electronics, 2022, 33, 5899.	2.2	1
123	Superhydrophilic molybdenum nitride nanoplate arrays enable rapid cerium reaction kinetics. Chemical Engineering Journal, 2022, 439, 135513.	12.7	1