Xudong Sun

List of Publications by Year
in descending order

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123	3,419	126858	182361
papers	citations	33 h-index	51 g-index

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

#	Article	IF	Citations
1	Morphology-tunable synthesis and formation mechanism of SnO2 particles and their application in Agâ€“SnO2 electrical contact materials. Ceramics International, 2022, 48, 6052-6061.	2.3	17
2	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.	1.7	1
3	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.	1.6	4
4	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.	1.6	10
5	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.	1.1	1
6	Quasi-Continuous Network Structure Greatly Improved the Anti-Arc-Erosion Capability of Ag/Y2O3 Electrical Contacts. Materials, 2022, 15, 2450.	1.3	2
7	Superhydrophilic molybdenum nitride nanoplate arrays enable rapid cerium reaction kinetics. Chemical Engineering Journal, 2022, 439, 135513.	6.6	1
8	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.	2.8	6
9	Preparation of MoSi₂ Coating on Mo Substrate for Oxidation Resistance by a Facile Method. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 230-234.	0.1	1
10	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.	2.8	9
11	O/N/S trifunctional doping onÂgraphite felts: A novel strategy toward performance boostingÂof ceriumâ€based redox flow batteries. , 2021, 3, 752-761.		7
12	Self-Template Synthesis of Nitrogen-Doped Hollow Carbon Nanospheres with Rational Mesoporosity for Efficient Supercapacitors. Materials, 2021, 14, 3619.	1.3	4
13	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.	1.9	20
14	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.	2.6	14
15	Controlled hydrothermal processing of multiform (Y0.95Eu0.05)PO4 crystals and comparison of photoluminescence. Journal of Alloys and Compounds, 2021, 870, 159380.	2.8	10
16	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.	1.6	8
17	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.	6.6	10
18	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.	5.6	29

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19	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.	2.6	5
20	Garnet-structured Li6CaLa2Nb2O12:Yb/Er new phosphor showing superior performance of optical thermometry. Scripta Materialia, 2020, 185, 140-145.	2.6	34
21	Identification of catalytic sites for cerium redox reactions in a metal-organic framework derived powerful electrocatalyst. Energy Storage Materials, 2020, 32, 11-19.	9.5	6
22	Metal-organic frameworks derived In-based nanoparticles encapsulated by carbonaceous matrix for highly efficient energy storage. Applied Surface Science, 2020, 513, 145894.	3.1	8
23	Coordination polymer templated engineering of YVO₄:Eu submicron crystals and photoluminescence. CrystEngComm, 2020, 22, 1024-1031.	1.3	8
24	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.	2.8	13
25	Upconversion luminescence and favorable temperature sensing performance of eulytite-type Sr₃Y(PO₄)₃:Yb³⁺/Ln³⁺ phosphors (Ln=Ho,) Tj ET Q q 1 1 0.78431 4 rg B	2.8	4
26	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.	6.6	54
27	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.	1.7	4
28	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.	3.1	11
29	Influence of Yb and Si on the fabrication of Yb:YAG transparent ceramics using spherical Y2O3 powders. Ceramics International, 2019, 45, 17354-17362.	2.3	5
30	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.	2.8	26
31	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.	2.8	32
32	Hexagonal Boron Nitride Nanosheets Grown via Chemical Vapor Deposition for Silver Protection. ACS Applied Nano Materials, 2019, 2, 2830-2835.	2.4	26
33	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.	2.8	12
34	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.	2.3	35
35	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.	1.9	21
36	From interlayer to lightweight capping layer: Rational design of mesoporous TiO2 threaded with CNTs for advanced Liâ€“S batteries. Carbon, 2019, 143, 523-530.	5.4	64

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37	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.	2.7	14
38	A new protocol for templated synthesis of YVO4:Ln luminescent crystallites (Ln=Eu, Dy, Sm). Journal of Alloys and Compounds, 2019, 776, 773-781.	2.8	23
39	Porous Y2O3 fiber-reinforced silver composite exhibiting enhanced mechanical and electrical properties. Ceramics International, 2019, 45, 1881-1886.	2.3	11
40	Enhanced hydrothermal crystallization and color tailorable photoluminescence of hexagonal structured YPO₄:Sm/Tb nanorods. CrystEngComm, 2018, 20, 2357-2365.	1.3	12
41	The effects of Ga3+ substitution on local structure and photoluminescence of Tb3Al5O12:Ce garnet phosphor. Ceramics International, 2018, 44, 8684-8690.	2.3	12
42	Breaking the strong 1D growth habit to yield quasi-equiaxed REPO₄ nanocrystals (RE =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2018, 20, 796-806.	1.3	18
43	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.	1.3	11
44	Ag/Ti3AlC2 composites with high hardness, high strength and high conductivity. Materials Letters, 2018, 213, 269-273.	1.3	36
45	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.	1.7	10
46	NaLaW₂O₇(OH)₂(H₂O): Crystal Structure and RE³⁺ Luminescence in the Pristine and Annealed Double Tungstates (RE = Eu, Tb, Sm, and) Tj ETQq0 0 0 rgBT /Overlock 10	1.9	28
47	Selective Crystallization of Four Tungstates (La₂W₃O₁₂,) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Eu³⁺ Luminescence. Inorganic Chemistry, 2018, 57, 6632-6640.	1.9	28
48	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.	2.7	33
49	Temperature-driven deintercalation and structure evolution of Ag/Ti3AlC2 composites. Ceramics International, 2018, 44, 18129-18134.	2.3	16
50	Well-dispersed (Y_{0.95â^'x}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.	1.3	6
51	Fabrication of Gd₂O₃â€MgO nanocomposite optical ceramics with varied crystallographic modifications of Gd₂O₃ constituent. Journal of the American Ceramic Society, 2018, 101, 4887-4891.	1.9	20
52	Surface-functionalized graphite felts: Enhanced performance in cerium-based redox flow batteries. Carbon, 2018, 138, 363-368.	5.4	20
53	Synthesis of equal-sized Y2O3:Bi,Eu mono-spheres and their color-tunable photoluminescence and thermal quenching properties. Ceramics International, 2018, 44, 18462-18470.	2.3	13
54	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.	2.5	6

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55	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.	5.6	30
56	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.	3.1	32
57	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.	2.3	14
58	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.	1.6	12
59	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.	2.3	18
60	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.	1.7	10
61	Hydrothermal assisted synthesis and photoluminescence of (Y1-Eu)2WO6 red phosphors. Journal of Alloys and Compounds, 2017, 695, 1984-1992.	2.8	28
62	(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.	3.1	14
63	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.	6.6	22
64	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.	3.3	31
65	Photoluminescence properties of phosphors based on Lu3+-stabilized Gd3Al5O12:Tb3+/Ce3+ garnet solid solutions. Optical Materials, 2016, 62, 328-334.	1.7	21
66	Novel porous calcium aluminate/phosphate nanocomposites: in situ synthesis, microstructure and permeability. Nanoscale, 2016, 8, 3599-3606.	2.8	6
67	Dispersion of nano-sized yttria powder using triammonium citrate dispersant for the fabrication of transparent ceramics. Ceramics International, 2016, 42, 9737-9743.	2.3	15
68	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.	1.6	55
69	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.	1.7	23
70	Tb3+/Eu3+ codoping of Lu3+-stabilized Gd3Al5O12 for tunable photoluminescence via efficient energy transfer. Journal of Alloys and Compounds, 2016, 670, 161-169.	2.8	27
71	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.	1.9	14
72	Structure properties and sintering densification of Gd2Zr2O7 nanoparticles prepared via different acid combustion methods. Journal of Rare Earths, 2015, 33, 195-201.	2.5	18

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73	Ethylenediamine-assisted crystallization of Fe₂O₃microspindles with controllable size and their pseudocapacitance performance. CrystEngComm, 2015, 17, 1521-1525.	1.3	39
74	Crystallization of FeOOH via iron salts: an anion-chemoaffinity controlled hydrolysis toward high performance inorganic pseudocapacitor materials. CrystEngComm, 2015, 17, 1917-1922.	1.3	45
75	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.	3.7	17
76	Facile synthesis of high silver content MOD ink by using silver oxalate precursor for inkjet printing applications. Thin Solid Films, 2015, 589, 381-387.	0.8	67
77	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.	2.7	50
78	[(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.	1.7	14
79	Foamed single-crystalline anatase nanocrystals exhibiting enhanced photocatalytic activity. Journal of Materials Chemistry A, 2015, 3, 17837-17848.	5.2	30
80	(Y,Tb,Eu)₂O₃ monospheres for highly fluorescent films and transparent hybrid films with color tunable emission. RSC Advances, 2015, 5, 36122-36128.	1.7	16
81	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.	3.1	11
82	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.	2.8	14
83	A homogeneous co-precipitation method to synthesize highly sinterability YAG powders for transparent ceramics. Ceramics International, 2015, 41, 3283-3287.	2.3	38
84	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.	2.8	42
85	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.	2.8	23
86	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.	1.7	15
87	High strength, low modulus and biocompatible porous Tiâ€"Moâ€"Fe alloys. Journal of Porous Materials, 2014, 21, 913-919.	1.3	16
88	Processing and Properties of BioCeramic Coatings onto 3D Tiâ€Mesh by DipCasting Method. International Journal of Applied Ceramic Technology, 2014, 11, 1030-1038.	1.1	2
89	Controlled Photocatalytic Growth of Ag Nanocrystals on Brookite and Rutile and Their SERS Performance. ACS Applied Materials & Interfaces, 2014, 6, 236-243.	4.0	14
90	Fabrication and Luminescent Properties of YAG:Ce Transparent Microspheres by Laser Heating. IEEE Transactions on Nuclear Science, 2014, 61, 362-366.	1.2	3

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91	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.	1.2	3
92	Synthesis and luminescence properties of BiPO4:Ce,Tb nanorods. Journal of Luminescence, 2014, 152, 37-39.	1.5	13
93	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.	2.8	41
94	Greatly enhanced Dy3+ emission via efficient energy transfer in gadolinium aluminate garnet (Gd3Al5O12) stabilized with Lu3+. Journal of Materials Chemistry C, 2013, 1, 7614.	2.7	86
95	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.	1.4	34
96	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.	2.8	50
97	The development of Ce³⁺-activated (Gd,Lu)₃Al₅O₁₂garnet solid solutions as efficient yellow-emitting phosphors. Science and Technology of Advanced Materials, 2013, 14, 054201.	2.8	53
98	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.	1.9	18
99	Nanoscaled Interface Between Microgold Particles and Biphase Glassâ€Ceramic Matrix. Journal of the American Ceramic Society, 2013, 96, 3662-3669.	1.9	1
100	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.	1.9	29
101	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.	2.8	43
102	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.	1.4	39
103	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.	1.6	58
104	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.	1.9	61
105	Preparation of transparent Y2O3 ceramic by slip casting and vacuum sintering. Journal of Rare Earths, 2012, 30, 57-62.	2.5	24
106	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.	3.8	69
107	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.	2.8	24
108	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.	1.1	6

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109	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.	1.9	21
110	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.	1.9	43
111	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.	1.9	53
112	Synthesis and optical properties of (Gd1â^'x,Eux)2O2SO4 nano-phosphors by a novel co-precipitation method. Materials Research Bulletin, 2009, 44, 1822-1827.	2.7	30
113	Synthesis of Dispersed Anatase Microspheres with Hierarchical Structures via Homogeneous Precipitation. European Journal of Inorganic Chemistry, 2009, 2009, 1214-1218.	1.0	14
114	Transparent Nd:YAG Ceramics Fabricated Using Nanosized Î³â€Alumina and Yttria Powders. Journal of the American Ceramic Society, 2009, 92, 241-244.	1.9	57
115	Microwave Synthesis of Homogeneous YAG Nanopowder Leading to a Transparent Ceramic. Journal of the American Ceramic Society, 2009, 92, 1217-1223.	1.9	45
116	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.	1.9	48
117	Morphology-dependent crystallization and luminescence behavior of (Y,Eu)2O3 red phosphors. Acta Materialia, 2009, 57, 5975-5985.	3.8	85
118	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.	1.5	297
119	Tb³⁺- and Eu³⁺-Doped Lanthanum Oxysulfide Nanocrystals. Gelatin-Templated Synthesis and Luminescence Properties. Journal of Physical Chemistry C, 2008, 112, 2353-2358.	1.5	45
120	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.	3.2	153
121	Homogeneous Precipitation Synthesis and Magnetic Properties of Cobalt Ferrite Nanoparticles. Journal of Nanomaterials, 2008, 2008, 1-4.	1.5	3
122	Intragranular Particle Residual Stress Strengthening of Al2O3-SiC Nanocomposites. Journal of the American Ceramic Society, 2005, 88, 1536-1543.	1.9	59
123	Microstructure and fracture toughness of nickel particle toughened alumina matrix composites. Journal of Materials Science, 1996, 31, 875-880.	1.7	65