

Baiqi Shao

List of Publications by Year in descending order

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186265

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Luminous tuning in Eu ³⁺ /Mn ⁴⁺ co-doped double perovskite structure by designing the site-occupancy strategy for solid-state lighting and optical temperature sensing. <i>Materials Research Bulletin</i> , 2022, 149, 111704.	5.2	22
2	Cr ³⁺ /Yb ³⁺ /Nd ³⁺ -doped Ba ₂ LaGa ₁₁ O ₂₀ broadband NIR phosphors for NIR pc-LED and c-Si solar cells. <i>Optical Materials</i> , 2022, 127, 112290.	3.6	7
3	Enhanced thermostability of Eu ³⁺ ions photoluminescence by multi-level electron traps with various temperature responses. <i>Materials Today Chemistry</i> , 2022, 24, 100881.	3.5	1
4	Thermal Quenching Mechanism of Metal–Metal Charge Transfer State Transition Luminescence Based on Double-Band-Gap Modulation. <i>Inorganic Chemistry</i> , 2022, 61, 9823-9831.	4.0	14
5	Adjustable photoluminescence of Bi ³⁺ and Eu ³⁺ in solid solution constructed by isostructural end components through composition and excitation-driven strategy. <i>Chemical Engineering Journal</i> , 2021, 421, 127735.	12.7	55
6	NIR-triggered upconversion nanoparticles@thermo-sensitive liposome hybrid theranostic nanoplatform for controlled drug delivery. <i>RSC Advances</i> , 2021, 11, 29065-29072.	3.6	8
7	A colorimetric optical thermometry of host-sensitized Pr ³⁺ -doped niobate phosphors based on electronic-rich-site strategy. <i>Dalton Transactions</i> , 2021, 50, 7026-7040.	3.3	12
8	A solid-solution modulation strategy in trivalent bismuth-doped gallate phosphors for single substrate tunable emission. <i>Dalton Transactions</i> , 2021, 50, 12592-12606.	3.3	3
9	Preparation of zero-thermal-quenching tunable emission bismuth-containing phosphors through the topochemical design of ligand configuration. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4072-4085.	6.0	20
10	A library of thermotropic liquid crystals of inorganic nanoparticles and extraordinary performances based on their collective ordering. <i>Nano Today</i> , 2021, 38, 101115.	11.9	14
11	Constructing a Model for Tuning the Thermal Quenching Properties of Bismuth-Doped Phosphors by Energy-Gap Modulation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20717-20726.	3.1	15
12	Photoluminescence and optical temperature measurement of Mn ⁴⁺ /Er ³⁺ co-activated double perovskite phosphor through site-advantageous occupation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 259, 119797.	3.9	12
13	UCNP@Bi ₂ Se ₃ Upconverting Nanohybrid for Upconversion Luminescence and CT Imaging and Photothermal Therapy. <i>Chemistry - A European Journal</i> , 2020, 26, 1127-1135.	3.3	31
14	A structural topotactical transformation synthetic strategy for Y ₂ O ₃ :Ln ³⁺ micro/nanocrystals with multicolor emissions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1440-1447.	5.5	5
15	One-pot synthesis of Ln ³⁺ -doped porous BiF ₃ @PAA nanospheres for temperature sensing and pH-responsive drug delivery guided by CT imaging. <i>Nanoscale</i> , 2020, 12, 695-702.	5.6	28
16	Optical thermometric properties in Tb ³⁺ and Eu ³⁺ -coactivated dual-emissive fluorophosphate phosphors. <i>Optics and Laser Technology</i> , 2020, 123, 105938.	4.6	38
17	Luminescence properties and energy transfer of novel Bi ³⁺ and Mn ²⁺ -co-activated Y ₃ Ga ₅ O ₁₂ single-component white light-emitting phosphor. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12231-12239.	5.5	43
18	Photoluminescence and ratiometric fluorescence temperature sensing abilities of zincate phosphors. <i>Journal of Luminescence</i> , 2020, 228, 117600.	3.1	11

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19	Anisotropic Protein Organofibers Encoded With Extraordinary Mechanical Behavior for Cellular Mechanobiology Applications. <i>Angewandte Chemie</i> , 2020, 132, 21665-21671.	2.0	8
20	Anisotropic Protein Organofibers Encoded With Extraordinary Mechanical Behavior for Cellular Mechanobiology Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21481-21487.	13.8	39
21	A novel synthesis of YVO ₄ :Ln ³⁺ (Ln = Eu, Sm, and Dy) porous/hollow submicro-ellipsoids and their luminescence properties. <i>CrystEngComm</i> , 2020, 22, 3340-3346.	2.6	4
22	Photoluminescence and temperature sensing of lanthanide Eu ³⁺ and transition metal Mn ⁴⁺ dual-doped antimoniate phosphor through site-beneficial occupation. <i>Ceramics International</i> , 2020, 46, 22164-22170.	4.8	66
23	Engineered Anisotropic Fluids of Rare-Earth Nanomaterials. <i>Angewandte Chemie</i> , 2020, 132, 18370-18374.	2.0	5
24	Engineered Anisotropic Fluids of Rare-Earth Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18213-18217.	13.8	20
25	Biocompatible and pH-Responsive Colloidal Surfactants with Tunable Shape for Controlled Interfacial Curvature. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9365-9369.	13.8	41
26	Biocompatible and pH-Responsive Colloidal Surfactants with Tunable Shape for Controlled Interfacial Curvature. <i>Angewandte Chemie</i> , 2020, 132, 9451-9455.	2.0	5
27	Site Occupation and Luminescence of Novel Orange-Red Ca ₃ M ₂ Ge ₃ O ₁₂ :Mn ²⁺ , Mn ⁴⁺ (M) Tj 1170784314	8.0	62
28	Enhancing Luminescence and Controlling the Mn Valence State of Gd ₃ Ga ₅ Al ₃ O ₁₂ :Mn Phosphors by the Design of the Garnet Structure. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7334-7344.	8.0	62
29	Luminescence and temperature sensing abilities of zincate phosphors co-doped bismuth Bi ³⁺ and lanthanide Eu ³⁺ /Sm ³⁺ . <i>Materials Research Bulletin</i> , 2020, 129, 110869.	5.2	49
30	Novel NIR LaGaO ₃ :Cr ³⁺ , Ln ³⁺ (Ln = Yb, Nd, Er) phosphors <i>via</i> energy transfer for C&Si-based solar cells. <i>Dalton Transactions</i> , 2019, 48, 11460-11468.	3.3	36
31	Synthesis, luminescence and application of novel europium, cerium and terbium-doped apatite phosphors. <i>CrystEngComm</i> , 2019, 21, 6226-6237.	2.6	24
32	None-rare-earth activated Ca ₁₄ Al ₁₀ Zn ₆ O ₃₅ :Bi ³⁺ , Mn ⁴⁺ phosphor involving dual luminescent centers for temperature sensing. <i>Journal of the American Ceramic Society</i> , 2019, 102, 7436-7447.	3.8	70
33	Prevailing Strategies to Tune Emission Color of Lanthanide-Activated Phosphors for WLED Applications. <i>Advanced Optical Materials</i> , 2019, 7, 1900319.	7.3	174
34	Designing of UCNPs@Bi@SiO ₂ Hybrid Theranostic Nanoplatforms for Simultaneous Multimodal Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 394-402.	8.0	50
35	Genetically Engineered Supercharged Polypeptide Fluids: Fast and Persistent Self-Ordering Induced by Touch. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6878-6882.	13.8	38
36	Surfactant-free aqueous synthesis of novel Ba ₃ Gd ₂ F ₁₂ :Ln ³⁺ nanocrystals with luminescence properties. <i>CrystEngComm</i> , 2018, 20, 7301-7307.	2.6	4

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37	Genetically Engineered Supercharged Polypeptide Fluids: Fast and Persistent Self-Ordering Induced by Touch. <i>Angewandte Chemie</i> , 2018, 130, 6994-6998.	2.0	8
38	Carbon-Tailored Semimetal MoP as an Efficient Hydrogen Evolution Electrocatalyst in Both Alkaline and Acid Media. <i>Advanced Energy Materials</i> , 2018, 8, 1801258.	19.5	111
39	A novel topotactic transformation route towards monodispersed YOF:Ln ³⁺ (Ln = Eu, Tb, Tj) ETQq1 1 0.784314 rgBT /Ov 9208-9215.	5.5	11
40	Phase-Tunable Synthesis of Monodisperse YPO ₄ :Ln ³⁺ (Ln = Ce, Eu, Tb) Micro/Nanocrystals via Topotactic Transformation Route with Multicolor Luminescence Properties. <i>Inorganic Chemistry</i> , 2017, 56, 6114-6121.	4.0	32
41	Emission Enhancement and Color Tuning for GdVO ₄ :Ln ³⁺ (Ln = Dy, Eu) by Surface Modification at Single Wavelength Excitation. <i>Inorganic Chemistry</i> , 2017, 56, 282-291.	4.0	33
42	Facile Synthesis of Lanthanide (Ce, Eu, Tb, Ce/Tb, Yb/Er, Yb/Ho, and Yb/Tm)-Doped LnF ₃ and LnOF Porous Sub-Microspheres with Multicolor Emissions. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3046-3052.	3.3	13
43	Syntheses, crystal structures and photoluminescence properties of Ca ₉ Y(PO ₄) ₅ (SiO ₄)F _{1.5} O _{0.25} :Ln ³⁺ (Ln ³⁺ = Eu ³⁺ /Tb ³⁺ /Dy ³⁺ /Sm ³⁺) phosphors for near-UV white LEDs. <i>RSC Advances</i> , 2016, 6, 92371-92377.	3.6	18
44	A two-step synthetic route to GdOF:Ln ³⁺ nanocrystals with multicolor luminescence properties. <i>Dalton Transactions</i> , 2016, 45, 2485-2491.	3.3	21
45	Topotactic Transformation Route to Monodisperse ¹² -NaYF ₄ :Ln ³⁺ Microcrystals with Luminescence Properties. <i>Inorganic Chemistry</i> , 2016, 55, 1912-1919.	4.0	28
46	Crystal structures, tunable emission and energy transfer of a novel GdAl ₁₂ O ₁₈ N:Eu ²⁺ ,Tb ³⁺ oxynitride phosphor. <i>New Journal of Chemistry</i> , 2016, 40, 2637-2643.	2.8	4
47	An intense NIR emission from Ca ₁₄ Al ₁₀ Zn ₆ O ₃₅ :Mn ⁴⁺ ,Yb ³⁺ via energy transfer for solar spectral converters. <i>Dalton Transactions</i> , 2016, 45, 466-468.	3.3	32
48	Synthesis, Structure, and Photoluminescence Properties of Novel KBaSc ₂ (PO ₄) ₃ :Ce ³⁺ /Eu ²⁺ /Tb ³⁺ Phosphors for White-Emitting Diodes. <i>ChemPhysChem</i> , 2015, 16, 2663-2669.	2.1	10
49	Two-step ion-exchange synthetic strategy for obtaining monodisperse NaYF ₄ :Ln ³⁺ nanostructures with multicolor luminescence properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1091-1098.	5.5	13
50	Novel Two-Step Topotactic Transformation Synthetic Route Towards Monodisperse LnOF:Re, ³⁺ (Ln = Y, Pr-Lu) Nanocrystals with Down/Upconversion Luminescence Properties. <i>Advanced Optical Materials</i> , 2015, 3, 583-592.	7.3	32
51	Generation of orange and green emissions in Ca ₂ GdZr ₂ (AlO ₄) ₃ :Ce ³⁺ , Mn ²⁺ , Tb ³⁺ garnets via energy transfer with Mn ²⁺ and Tb ³⁺ as acceptors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2334-2340.	5.5	58
52	Enhancing Photoluminescence Performance of SrSi ₂ O ₂ N ₂ :Eu ²⁺ Phosphors by Re (Re = La, Gd, Y, Dy). Tj ETQq0 0 0 rgBT /Overlock 9060-9065.	4.0	35
53	Sr ₃ GdNa(PO ₄) ₃ F:Eu ²⁺ ,Mn ²⁺ : a potential color tunable phosphor for white LEDs. <i>Journal of Materials Chemistry C</i> , 2014, 2, 90-97.	5.5	130
54	Synthesis and luminescent properties of uniform monodisperse YBO ₃ :Eu ³⁺ /Tb ³⁺ microspheres. <i>CrystEngComm</i> , 2014, 16, 5543.	2.6	32

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55	Crystal Structure and Luminescence Properties of $\text{Ca}_8\text{Mg}_3\text{Al}_2\text{Si}_7\text{O}_{28}:\text{Eu}^{2+}$ for WLEDs. <i>Advanced Optical Materials</i> , 2014, 2, 183-188.	7.3	120
56	Novel synthesis and luminescence properties of $\text{t-LaVO}_4:\text{Eu}^{3+}$ micro cube. <i>CrystEngComm</i> , 2014, 16, 152-158.	2.6	21
57	Facile hydrothermal synthesis and luminescent properties of Eu-doped $\text{CaF}_2\text{-YF}_3$ alkaline-earth ternary fluoride microspheres. <i>RSC Advances</i> , 2014, 4, 35750.	3.6	5
58	Facile large-scale synthesis of monodisperse REF_3 (RE = Y, Ce, Nd, Sm-Lu) nano/microcrystals and luminescence properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7666.	5.5	12
59	A novel tunable $\text{Na}_2\text{Ba}_6(\text{Si}_2\text{O}_7)(\text{SiO}_4)_2:\text{Ce}^{3+},\text{Mn}^{2+}$ phosphor with excellent thermal stability for white light emitting diodes. <i>RSC Advances</i> , 2014, 4, 14074-14080.	3.6	11
60	Color tuning and energy transfer investigation in $\text{Na}_2\text{Ca}_4\text{Mg}_2\text{Si}_4\text{O}_{15}:\text{Eu}^{2+},\text{Mn}^{2+}$ phosphor and its potential application for UV-excited UV-WLEDs. <i>RSC Advances</i> , 2014, 4, 7588.	3.6	19
61	A novel synthetic route towards monodisperse $\text{Y}_2\text{-NaYF}_4:\text{Ln}^{3+}$ micro/nanocrystals from layered rare-earth hydroxides at ultra low temperature. <i>Chemical Communications</i> , 2014, 50, 12706-12709.	4.1	25
62	Structure and photoluminescence properties of novel $\text{Ca}_2\text{NaSiO}_4\text{F}:\text{Re}$ (Re = $\text{Eu}^{2+}, \text{Ce}^{3+}, \text{Tb}^{3+}$) phosphors with energy transfer for white emitting LEDs. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4304-4311.	5.5	37
63	$\text{YF}_3:\text{Eu}^{3+}$ Micro-Single Crystals: Fine Morphological Tuning and Luminescence Properties. <i>Crystal Growth and Design</i> , 2013, 13, 3582-3587.	3.0	34
64	Tysonite type $\text{Gd}_2\text{Ca}_2\text{F}_8$ solid solution: hydrothermal synthesis and luminescence properties. <i>CrystEngComm</i> , 2013, 15, 9930.	2.6	3
65	Efficient sensitization of Mn^{2+} emission by Eu^{2+} in $\text{Ca}_{12}\text{Al}_{14}\text{O}_{33}\text{Cl}_2$ host under UV excitation. <i>RSC Advances</i> , 2013, 3, 16034.	3.6	35
66	Monodisperse $\text{YVO}_4:\text{Eu}^{3+}$ submicrocrystals: controlled synthesis and luminescence properties. <i>CrystEngComm</i> , 2013, 15, 5776.	2.6	27