Wangfeng Bai

List of Publications by Year
in descending order

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116 papers	8,538 citations	30047 54 h-index	45285 90 g-index
116 all docs	116 docs citations	116 times ranked	7507 citing authors

#	Article	IF	Citations
1	A new-generation color converter for high-power white LED: transparent Ce³⁺ :YAG phosphor-in-glass. Laser and Photonics Reviews, 2014, 8, 158-164.	4.4	519
2	Cadmium sulfide-based nanomaterials for photocatalytic hydrogen production. Journal of Materials Chemistry A, 2018, 6, 11606-11630.	5.2	379
3	In Situ Crystallization Synthesis of CsPbBr₃ Perovskite Quantum Dot-Embedded Glasses with Improved Stability for Solid-State Lighting and Random Upconverted Lasing. ACS Applied Materials & Interfaces, 2018, 10, 18918-18926.	4.0	307
4	A review on nanostructured glass ceramics for promising application in optical thermometry. Journal of Alloys and Compounds, 2018, 763, 34-48.	2.8	250
5	Dual-Phase Glass Ceramic: Structure, Dual-Modal Luminescence, and Temperature Sensing Behaviors. ACS Applied Materials & Interfaces, 2015, 7, 19484-19493.	4.0	248
6	A review on Mn⁴⁺ activators in solids for warm white light-emitting diodes. RSC Advances, 2016, 6, 86285-86296.	1.7	225
7	Dual-activator luminescence of RE/TM:Y₃Al₅O₁₂(RE =) Tj ETQq1 1 0.784314 rgBT /Overlock 1 phosphors for self-referencing optical thermometry. Journal of Materials Chemistry C, 2016, 4, 9044-9051.	2.7	195
8	Interface engineering of a noble-metal-free 2Dâ€“2D MoS₂/Cu-ZnIn₂S₄ photocatalyst for enhanced photocatalytic H₂ production. Journal of Materials Chemistry A, 2017, 5, 15771-15779.	5.2	185
9	Large-scale room-temperature synthesis and optical properties of perovskite-related Cs₄PbBr₆fluorophores. Journal of Materials Chemistry C, 2016, 4, 10646-10653.	2.7	183
10	Luminescent perovskite quantum dots: synthesis, microstructures, optical properties and applications. Journal of Materials Chemistry C, 2019, 7, 1413-1446.	2.7	182
11	Enhanced luminescence of Mn⁴⁺:Y₃Al₅O₁₂red phosphor via impurity doping. Journal of Materials Chemistry C, 2016, 4, 1704-1712.	2.7	177
12	Energy Manipulation in Lanthanideâ€Doped Coreâ€“Shell Nanoparticles for Tunable Dualâ€Mode Luminescence toward Advanced Antiâ€Counterfeiting. Advanced Materials, 2020, 32, e2002121.	11.1	165
13	A Bifunctional Cr/Yb/Tm:Ca₃Ga₂Ge₃O₁₂ Phosphor with Near-Infrared Long-Lasting Phosphorescence and Upconversion Luminescence. Inorganic Chemistry, 2014, 53, 8638-8645.	1.9	155
14	Robust CsPbX₃ (X = Cl, Br, and I) perovskite quantum dot embedded glasses: nanocrystallization, improved stability and visible full-spectral tunable emissions. Journal of Materials Chemistry C, 2018, 6, 12864-12870.	2.7	148
15	Silica-Coated Mn-Doped CsPb(Cl/Br)₃ Inorganic Perovskite Quantum Dots: Exciton-to-Mn Energy Transfer and Blue-Excitable Solid-State Lighting. ACS Applied Materials & Interfaces, 2017, 9, 40477-40487.	4.0	140
16	Garnet-based Li₆CaLa₂Sb₂O₁₂:Eu³⁺red phosphors: a potential color-converting material for warm white light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 4500-4510.	2.7	137
17	Lanthanideâ€Doped Core@Multishell Nanoarchitectures: Multimodal Excitable Upconverting/Downshifting Luminescence and Highâ€Level Antiâ€Counterfeiting. Small, 2020, 16, e2000708.	5.2	137
18	CsPbX₃ (X = Br, I) perovskite quantum dot embedded low-melting phosphosilicate glasses: controllable crystallization, thermal stability and tunable emissions. Journal of Materials Chemistry C, 2018, 6, 6832-6839.	2.7	134

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19	Simultaneous morphology manipulation and upconversion luminescence enhancement of Î²-NaYF4:Yb3+/Er3+ microcrystals by simply tuning the KF dosage. Scientific Reports, 2015, 5, 12745.	1.6	133
20	Synthesis of Mn²⁺:Zn₂SiO₄â€“Eu³⁺:Gd₂O₃ nanocomposites for highly sensitive optical thermometry through the synergistic luminescence from lanthanide-transition metal ions. Journal of Materials Chemistry C, 2017, 5, 5176-5182.	2.7	130
21	Promoting photoluminescence quantum yields of glass-stabilized CsPbX₃ (X = Cl, Br, I) perovskite quantum dots through fluorine doping. Nanoscale, 2019, 11, 17216-17221.	2.8	127
22	Robust and Stable Cu Nanowire@Graphene Coreâ€“Shell Aerogels for Ultraeffective Electromagnetic Interference Shielding. Small, 2018, 14, e1800634.	5.2	125
23	Compact ultrabroadband light-emitting diodes based on lanthanide-doped lead-free double perovskites. Light: Science and Applications, 2022, 11, 52.	7.7	125
24	Tunable Optical Properties and Enhanced Thermal Quenching of Non-Rare-Earth Double-Perovskite (Ba_{1â€“x}Sr_x)₂YSbO₆:Mn⁴⁺ Red Phosphors Based on Composition Modulation. Inorganic Chemistry, 2018, 57, 8978-8987.	1.9	124
25	Coâ€“P Bonds as Atomic-Level Charge Transfer Channel To Boost Photocatalytic H₂ Production of Co₂P/Black Phosphorus Nanosheets Photocatalyst. ACS Catalysis, 2019, 9, 7801-7807.	5.5	124
26	Highly intense upconversion luminescence in Yb/Er:NaGdF4@NaYF4 coreâ€“shell nanocrystals with complete shell enclosure of the core. Dalton Transactions, 2014, 43, 11299.	1.6	121
27	Highly Sensitive Dual-Phase Nanoglass-Ceramics Self-Calibrated Optical Thermometer. Analytical Chemistry, 2016, 88, 4099-4106.	3.2	119
28	Intense multi-state visible absorption and full-color luminescence of nitrogen-doped carbon quantum dots for blue-light-excitable solid-state-lighting. Journal of Materials Chemistry C, 2016, 4, 9027-9035.	2.7	119
29	Inverse thermal quenching effect in lanthanide-doped upconversion nanocrystals for anti-counterfeiting. Journal of Materials Chemistry C, 2018, 6, 5427-5433.	2.7	103
30	Phaseâ€Selective Nanocrystallization of NaLnF₄ in Aluminosilicate Glass for Random Laser and 940 nm LEDâ€Excitable Upconverted Luminescence. Laser and Photonics Reviews, 2018, 12, 1800030.	4.4	94
31	Constructing noble-metal-free Z-scheme photocatalytic overall water splitting systems using MoS₂ nanosheet modified CdS as a H₂ evolution photocatalyst. Journal of Materials Chemistry A, 2017, 5, 21205-21213.	5.2	92
32	Ln³⁺-Sensitized Mn⁴⁺near-infrared upconverting luminescence and dual-modal temperature sensing. Journal of Materials Chemistry C, 2017, 5, 9619-9628.	2.7	91
33	Excitation-Independent Dual-Color Carbon Dots: Surface-State Controlling and Solid-State Lighting. ACS Photonics, 2017, 4, 2352-2358.	3.2	91
34	EuF₃/Ga₂O₃ Dual-Phase Nanostructural Glass Ceramics with Eu²⁺/Cr³⁺ Dual-Activator Luminescence for Self-Calibrated Optical Thermometry. Journal of Physical Chemistry C, 2016, 120, 21858-21865.	1.5	89
35	Mn-Doped CsPbCl₃ perovskite nanocrystals: solvothermal synthesis, dual-color luminescence and improved stability. Journal of Materials Chemistry C, 2018, 6, 8990-8998.	2.7	85
36	Composition- and temperature-driven phase transition characteristics and associated electromechanical properties in Bi_{0.5}Na_{0.5}TiO₃-based lead-free ceramics. Dalton Transactions, 2016, 45, 8573-8586.	1.6	84

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37	A dual-functional upconversion core@shell nanostructure for white-light-emission and temperature sensing. Journal of Materials Chemistry C, 2016, 4, 6516-6524.	2.7	81
38	Construction of a Noble-Metal-Free Photocatalytic H₂ Evolution System Using MoS₂/Reduced Graphene Oxide Catalyst and Zinc Porphyrin Photosensitizer. Journal of Physical Chemistry C, 2017, 121, 24452-24462.	1.5	81
39	Yb³⁺/Ln³⁺/Cr³⁺ (Ln = Er, Ho) doped transparent glass ceramics: crystallization, Ln³⁺ sensitized Cr³⁺ upconversion emission and multi-modal temperature sensing. Journal of Materials Chemistry C, 2017, 5, 11769-11780.	2.7	76
40	Color tunable dual-phase transparent glass ceramics for warm white light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 738-746.	2.7	75
41	A novel rare-earth free red-emitting Li3Mg2SbO6:Mn4+ phosphor-in-glass for warm w-LEDs: Synthesis, structure, and luminescence properties. Journal of Alloys and Compounds, 2019, 773, 413-422.	2.8	75
42	CoS₂@N-doped carbon coreâ€“shell nanorod array grown on Ni foam for enhanced electrocatalytic water oxidation. Journal of Materials Chemistry A, 2020, 8, 6795-6803.	5.2	75
43	Few-Layer Black Phosphorus Nanosheets: A Metal-Free Cocatalyst for Photocatalytic Nitrogen Fixation. ACS Applied Materials & Interfaces, 2020, 12, 17343-17352.	4.0	74
44	Superior energy storage performance in (Bi_{0.5}Na_{0.5})TiO₃-based lead-free relaxor ferroelectrics for dielectric capacitor application via multiscale optimization design. Journal of Materials Chemistry A, 2022, 10, 9535-9546.	5.2	70
45	Grinding Synthesis of APbX₃ (A = MA, FA, Cs; X = Cl, Br, I) Perovskite Nanocrystals. ACS Applied Materials & Interfaces, 2019, 11, 10059-10067.	4.0	67
46	Impact of Eu³⁺ Dopants on Optical Spectroscopy of Ce³⁺: Y₃Al₅O₁₂â€Embedded Transparent Glassâ€Ceramics. Journal of the American Ceramic Society, 2015, 98, 2445-2450.	1.9	65
47	Temperature sensitive cross relaxation between Er³⁺ ions in laminated hosts: a novel mechanism for thermochromic upconversion and high performance thermometry. Journal of Materials Chemistry C, 2018, 6, 12364-12370.	2.7	65
48	Highly enhanced upconversion luminescence in lanthanide-doped active-core/luminescent-shell/active-shell nanoarchitectures. Journal of Materials Chemistry C, 2016, 4, 2432-2437.	2.7	62
49	Achieving efficient Tb³⁺ dual-mode luminescence via Gd-sublattice-mediated energy migration in a NaGdF₄ coreâ€“shell nanoarchitecture. Journal of Materials Chemistry C, 2015, 3, 5372-5376.	2.7	60
50	Tailoring frequency-insensitive large field-induced strain and energy storage properties in (Ba_{0.85}Ca_{0.15})(Zr_{0.1}Ti_{0.9})O₃-modified (Bi_{0.5}Na_{0.5})TiO₃ lead-free ceramics. Dalton Transactions, 2019, 48, 10160-10173.	1.6	59
51	Giant Fieldâ€Induced Strain with Low Hysteresis and Boosted Energy Storage Performance under Low Electric Field in (Bi_{0.5}Na_{0.5})TiO₃â€Based Grain Orientationâ€Controlled Ceramics. Advanced Electronic Materials, 2020, 6, 2000332.	2.6	59
52	Fast Room-Temperature Cation Exchange Synthesis of Mn-Doped CsPbCl₃ Nanocrystals Driven by Dynamic Halogen Exchange. ACS Applied Materials & Interfaces, 2018, 10, 39872-39878.	4.0	57
53	Tunable upconversion luminescence in self-crystallized Er³⁺:K(Y_{1â”x}Yb_x)₃F₁₀ nano-glass-ceramics. Physical Chemistry Chemical Physics, 2015, 17, 7100-7103.	1.3	56
54	Phase-transition-induced giant enhancement of red emission in Mn⁴⁺-doped fluoride elpasolite phosphors. Journal of Materials Chemistry C, 2018, 6, 3951-3960.	2.7	56

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55	Highly efficient rare-earth-free deep red emitting phosphor La₂Li_{1â^'y}Sb_{1â^'x}O₆:xMn⁴⁺,yMg²⁺: application in high-power warm w-LEDs. Journal of Materials Chemistry C, 2018, 6, 13305-13315.	2.7	53
56	Tuning into blue and red: europium single-doped nano-glass-ceramics for potential application in photosynthesis. Journal of Materials Chemistry C, 2015, 3, 3141-3149.	2.7	52
57	Persistent and photo-stimulated luminescence in Ce³⁺/Cr³⁺ activated Y₃Al₂Ga₃O₁₂ phosphors and transparent phosphor-in-glass. Journal of Materials Chemistry C, 2016, 4, 11457-11464.	2.7	51
58	In Situ-Grown Island-Shaped Hollow Graphene on TaON with Spatially Separated Active Sites Achieving Enhanced Visible-Light CO₂ Reduction. ACS Catalysis, 2020, 10, 15083-15091.	5.5	51
59	Yb³⁺/Ln³⁺/Mn⁴⁺ (Ln = Er, Ho, and Tm) doped Na₃ZrF₇ phosphors: oilâ€“water interface cation exchange synthesis, dual-modal luminescence and anti-counterfeiting. Journal of Materials Chemistry C, 2019, 7, 1321-1329.	2.7	50
60	Significantly tailored energy-storage performances in Bi_{0.5}Na_{0.5}TiO₃â€“SrTiO₃-based relaxor ferroelectric ceramics by introducing bismuth layer-structured relaxor BaBi₂Nb₂O₉ for capacitor application. Journal of Materials Chemistry C, 2021, 9, 5234-5243.	2.7	50
61	Synergy of a Stabilized Antiferroelectric Phase and Domain Engineering Boosting the Energy Storage Performance of NaNbO₃-Based Relaxor Antiferroelectric Ceramics. ACS Applied Materials & Interfaces, 2022, 14, 17662-17673.	4.0	48
62	Simultaneously Realizing Superior Energy Storage Properties and Outstanding Chargeâ€“Discharge Performances in Tungsten Bronze-Based Ceramic for Capacitor Applications. Inorganic Chemistry, 2021, 60, 6559-6568.	1.9	46
63	Full-Spectral Fine-Tuning Visible Emissions from Cation Hybrid Cs_{1â€“m}FA_mPbX₃ (X = Cl, Br, and I, 0 â‰¤ m â‰¤ 1) Quantum Dots. ACS Applied Materials & Interfaces, 2017, 9, 20671-20678.	4.0	43
64	Ytterbium-Doped CsPbCl₃ Quantum Cutters for Near-Infrared Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2021, 13, 34561-34571.	4.0	43
65	Dual-Modal Photon Upconverting and Downshifting Emissions from Ultra-stable CsPbBr3 Perovskite Nanocrystals Triggered by Co-Growth of Tm:NaYbF4 Nanocrystals in Glass. ACS Applied Materials & Interfaces, 2020, 12, 18705-18714.	4.0	42
66	Halogenâ€Hotâ€Injection Synthesis of Mnâ€Doped CsPb(Cl/Br)₃ Nanocrystals with Blue/Orange Dualâ€Color Luminescence and High Photoluminescence Quantum Yield. Advanced Optical Materials, 2019, 7, 1901082.	3.6	41
67	Water detection through Nd³⁺-sensitized photon upconversion in coreâ€“shell nanoarchitecture. Journal of Materials Chemistry C, 2017, 5, 5434-5443.	2.7	38
68	Lead-free BNT-based composite materials: enhanced depolarization temperature and electromechanical behavior. Dalton Transactions, 2017, 46, 15340-15353.	1.6	38
69	Novel cyanâ€emitting KBaScSi₂O₇:Eu²⁺ phosphors with ultrahigh quantum efficiency and excellent thermal stability for WLEDs. Journal of the American Ceramic Society, 2019, 102, 7376-7385.	1.9	37
70	Chlorine-additive-promoted incorporation of Mn²⁺ dopants into CsPbCl₃ perovskite nanocrystals. Nanoscale, 2019, 11, 12465-12470.	2.8	36
71	Ultrathin CsPbX₃ (X = Cl, Br, I) nanoplatelets: solvothermal synthesis and optical spectroscopic properties. Dalton Transactions, 2018, 47, 9845-9849.	1.6	34
72	Bright Electroluminescent Whiteâ€Lightâ€Emitting Diodes Based on Carbon Dots with Tunable Correlated Color Temperature Enabled by Aggregation. Small, 2021, 17, e2104551.	5.2	34

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73	Noble-metal-free MoS₂ nanosheet modified-InVO₄ heterostructures for enhanced visible-light-driven photocatalytic H₂ production. Dalton Transactions, 2017, 46, 2072-2076.	1.6	31
74	Tuning into single-band red upconversion luminescence in Yb³⁺/Ho³⁺ activated nano-glass-ceramics through Ce³⁺ doping. Dalton Transactions, 2015, 44, 5288-5293.	1.6	29
75	Large enhancement of piezoelectric properties and resistivity in Cu/Ta coâ€doped Bi₄Ti₃O₁₂ highâ€temperature piezoceramics. Journal of the American Ceramic Society, 2019, 102, 7366-7375.	1.9	29
76	Eu³⁺-Doped glass ceramics containing NaTbF₄ nanocrystals: controllable glass crystallization, Tb³⁺-bridged energy transfer and tunable luminescence. Journal of Materials Chemistry C, 2017, 5, 10201-10210.	2.7	28
77	Near-infrared-laser-driven robust glass-ceramic-based upconverted solid-state-lighting. Journal of Materials Chemistry C, 2019, 7, 4109-4117.	2.7	28
78	Dual-phase phosphor-in-glass based on a Snâ€“Pâ€“Fâ€“O ultralow-melting glass for warm white light-emitting diodes. RSC Advances, 2017, 7, 36168-36174.	1.7	25
79	Nanocrystallization of lanthanide-doped KLu₂F₇â€“KYb₂F₇ solid-solutions in aluminosilicate glass for upconverted solid-state-lighting and photothermal anti-counterfeiting. Journal of Materials Chemistry C, 2019, 7, 14571-14580.	2.7	25
80	Perceiving Linear-Velocity by Multiphoton Upconversion. ACS Applied Materials & Interfaces, 2019, 11, 46379-46385.	4.0	22
81	Enhanced electrical properties in A-site K/Ce and B-site W/Cr co-substituted CaBi2Nb2O9 high temperature piezoelectric ceramic. Journal of Materials Science: Materials in Electronics, 2019, 30, 11727-11734.	1.1	22
82	Structural Origins of RF₃/NaRF₄ Nanocrystal Precipitation from Phase-Separated SiO₂â€“Al₂O₃â€“RF₃â€“NaF Glasses: A Molecular Dynamics Simulation Study. Journal of Physical Chemistry B, 2019, 123, 3024-3032.	1.2	22
83	Effects of Er³⁺ spatial distribution on luminescence properties and temperature sensing of upconverting coreâ€“shell nanocrystals with high Er³⁺ content. Dalton Transactions, 2017, 46, 15373-15385.	1.6	21
84	Simultaneous Tailoring of Dual-Phase Fluoride Precipitation and Dopant Distribution in Glass to Control Upconverting Luminescence. ACS Applied Materials & Interfaces, 2019, 11, 30053-30064.	4.0	21
85	Reverse synthesis of CsPb_xMn_{1â^'x}(Cl/Br)₃ perovskite quantum dots from CsMnCl₃ precursors through cation exchange. Journal of Materials Chemistry C, 2018, 6, 5908-5915.	2.7	20
86	Glass-limited Yb/Er:NaLuF₄ nanocrystals: reversible hexagonal-to-cubic phase transition and anti-counterfeiting. Journal of Materials Chemistry C, 2020, 8, 16151-16159.	2.7	20
87	NaAlSiO₄: Eu²⁺ Glass Ceramics: Selfâ€Reduced In Situ Growth and Highâ€Power LED/LD Lighting. Laser and Photonics Reviews, 2022, 16, 2100346.	4.4	20
88	Tuning the Upconversion Luminescence Lifetimes of KYb₂F₇:Ho³⁺ Nanocrystals for Optical Multiplexing. ChemPhysChem, 2015, 16, 3784-3789.	1.0	19
89	Comparison of upconversion luminescent properties and temperature sensing behaviors of Î²-NaYF4:Yb3+/Er3+ nano/microcrystals prepared by various synthetic methods. Journal of Materials Science: Materials in Electronics, 2016, 27, 8254-8270.	1.1	18
90	Low electric field-driven giant strain response in âŒ©001âŒª textured BNT-based lead-free piezoelectric materials. Journal of Materials Science, 2017, 52, 3169-3178.	1.7	18

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91	Hydrophobic, Structureâ€Tunable Cu Nanowire@Graphene Coreâ€“Shell Aerogels for Piezoresistive Pressure Sensing. Advanced Materials Technologies, 2019, 4, 1900470.	3.0	17
92	Fantastic Energy Storage Performances and Excellent Stability in BiFeO₃â€“SrTiO₃-Based Relaxor Ferroelectric Ceramics. ACS Applied Energy Materials, 2022, 5, 8492-8500.	2.5	17
93	Phase structure control and optical spectroscopy of rare-earth activated GdF₃ nanocrystal embedded glass ceramics via alkaline-earth/alkali-metal doping. RSC Advances, 2016, 6, 71176-71187.	1.7	16
94	Monodispersed YF3:Ce3+/Tb3+/Eu3+ mesocrystals: hydrothermal synthesis and optical temperature sensing behavior. Journal of Materials Science: Materials in Electronics, 2017, 28, 9489-9494.	1.1	16
95	Piezoelectric grain-size effects of BaTiO3 ceramics under different sintering atmospheres. Journal of Materials Science: Materials in Electronics, 2017, 28, 7928-7934.	1.1	15
96	Reduction of oxygen vacancy concentration and large enhancement of electrical performances in Cu/Sb co-doped Bi4Ti3O12 high temperature piezoelectric ceramics. Journal of Applied Physics, 2020, 127, .	1.1	15
97	Promoting Energy Storage Performance of Sr_{0.7}Ba_{0.3}Nb₂O₆ Tetragonal Tungsten Bronze Ceramic by a Two-Step Sintering Technique. ACS Applied Electronic Materials, 2022, 4, 452-460.	2.0	15
98	Ultra-stable narrowband green-emitting CsPbBr₃ quantum dot-embedded glass ceramics for wide color gamut backlit displays. Journal of Materials Chemistry C, 2022, 10, 7263-7272.	2.7	14
99	Invisible NIR Spectral Imaging and Laserâ€Induced Thermal Imaging of Na(Nd/Y)F₄@glass with Opposite Effect for Optical Security. Laser and Photonics Reviews, 2022, 16, .	4.4	14
100	Towards full-colour tunable photoluminescence of monolayer MoS₂/carbon quantum dot ultra-thin films. Journal of Materials Chemistry C, 2017, 5, 6352-6358.	2.7	13
101	KF-mediated controlled-synthesis of potassium ytterbium fluorides (doped with Er³⁺) with phase-dependent upconversion luminescence. CrystEngComm, 2015, 17, 7182-7190.	1.3	12
102	Doping level effects in Nb selfâ€doped Bi₃TiNbO₉ highâ€temperature piezoceramics with improved electrical properties. International Journal of Applied Ceramic Technology, 2020, 17, 2407-2415.	1.1	12
103	Mn²⁺â€Doped CsPbI₃ Nanocrystals for Perovskite Lightâ€Emitting Diodes with High Luminance and Improved Device Stability. Advanced Photonics Research, 2021, 2, 2100137.	1.7	12
104	A single-beam NIR laser-triggered full-color upconversion tuning of a Er/Tm:CsYb₂F₇@glass photothermal nanocomposite for optical security. Nanoscale, 2022, 14, 3407-3415.	2.8	12
105	Hydrothermal Synthesis of Novel K2YbF5:Er3+/Y3+ Microcrystals with Tunable Redâ€“Green Upconversion Luminescence. Journal of Materials Science, 2015, 50, 6779-6785.	1.7	11
106	Enhanced temperature stability and tailored electromechanical response in (Ba0.85Ca0.15)(Zr0.1Ti0.9)O3 piezoceramics through rare earth modification. Journal of Materials Science: Materials in Electronics, 2019, 30, 9219-9230.	1.1	11
107	Integrating chemical engineering and crystallographic texturing design strategy for the realization of practically viable lead-free sodium bismuth titanate-based incipient piezoceramics. Dalton Transactions, 2020, 49, 8661-8671.	1.6	10
108	Influences of rare earth site engineering on piezoelectric and electromechanical response of (Ba0.85Ca0.15) (Zr0.1Ti0.9)O3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 6560-6573.	1.1	9

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109	Relaxor ferroelectric (Bi0.5Na0.5)TiO3-based ceramic with remarkable comprehensive energy storage performance under low electric field for capacitor applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 21164-21177.	1.1	9
110	Enhanced electrical properties in W/Cu coâ€doped CaBi₂Nb₂O₉ highâ€temperature piezoelectric ceramics. International Journal of Applied Ceramic Technology, 2021, 18, 2111-2120.	1.1	9
111	Tailoring electromechanical performance in BiScO3-modified Bi0.5Na0.5TiO3-based lead-free piezoceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 1491-1501.	1.1	6
112	High Capacitive Performance Achieved in NaNbO 3 â€Based Ceramics via Grain Refinement and Relaxation Enhancement. Energy Technology, 0, , 2100777.	1.8	6
113	Electrical properties of a Cr2O3-modified Na0.5Bi4.5Ti4O15-Na0.5Bi0.5TiO3 composite ceramic. Journal of the Australian Ceramic Society, 2021, 57, 321-326.	1.1	4
114	Porous and hydrophobic graphene-based coreâ€“shell sponges for efficient removal of water contaminants. Nanotechnology, 2021, 32, 265706.	1.3	2
115	Realizing Enhanced Electrical Properties of CaBi₂Nb₂O₉-Based High-Temperature Piezoceramics by Constructing a Pseudophase Boundary. ACS Applied Electronic Materials, 2022, 4, 3598-3605.	2.0	1
116	Controllable-permittivity and low-loss of Ba0.5Sr0.5TiO3/MgO composites prepared by citrate gel derived core-shell powders. AIP Advances, 2015, 5, 117226.	0.6	0