

# CITATION REPORT

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**Sr[LiAlON]:Eu-A high performance red phosphor to brighten the future**

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#	Paper	IF	Citations
197	Highly efficient Ce <sup>3+</sup> -Tb <sup>3+</sup> energy transfer induced bright narrowband green emissions from garnet-type Ca <sub>2</sub> YZr <sub>2</sub> (AlO <sub>4</sub> ) <sub>3</sub> :Ce <sup>3+</sup> ,Tb <sup>3+</sup> phosphors for white LEDs with high color rendering index. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 10471-10480	7.1	84
196	K <sub>3</sub> WOF <sub>7</sub> :Mn <sup>4+</sup> - A red oxyfluoride phosphor. <b>2019</b> , 226, 109356		8
195	RbKLi <sub>2</sub> [Li <sub>3</sub> SiO <sub>4</sub> ] <sub>4</sub> :Eu <sup>2+</sup> an ultra narrow-band phosphor. <b>2019</b> , 74, 535-546		16
194	HF-Free Solid-State Synthesis of the Oxyfluoride Phosphor K <sub>3</sub> MoOF <sub>7</sub> :Mn <sup>4+</sup> . <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 3383-3388	2.3	12
193	New red phosphors enable white LEDs to show both high luminous efficacy and color rendering index. <b>2019</b> , 64, 879-880		37
192	The Nitrogen-Hole-Center Electron Transfer Imparts Reduction Ability to Eu Ion in AlN-Containing Phosphate Glasses. <b>2019</b> , 123, 27794-27801		1
191	Photoluminescence Control of UCr <sub>4</sub> C <sub>4</sub> -Type Phosphors with Superior Luminous Efficiency and High Color Purity via Controlling Site Selection of Eu <sup>2+</sup> Activators. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9200-9210	8.6	62
190	Zero-Thermal Quenching of Mn <sup>2+</sup> Red Luminescence via Efficient Energy Transfer from Eu <sup>2+</sup> in BaMgP <sub>2</sub> O <sub>7</sub> . <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901187	8.1	49
189	SrAlLiON:Eu (0.12-0.66)-Tunable Luminescence in an Oxonitride Phosphor. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 12146-12151	5.1	9
188	Polymorphs and derivatives of Sr <sub>2</sub> LiAlO <sub>4</sub> :Eu <sup>2+</sup> . <b>2019</b> , 74, 765-772		4
187	One Ion, Many Facets: Efficient, Structurally and Thermally Sensitive Luminescence of Eu <sup>2+</sup> in Binary and Ternary Strontium Borohydride Chlorides. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 8957-8968	9.6	17
186	Crystal structure insight aided design of SrGa <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> :Mn <sup>2+</sup> with multi-band and thermally stable emission for high-power LED applications. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 122016	14.7	17
185	Tunable lanthanide/transition metal ion-doped novel phosphors for possible application in w-LEDs: a review. <b>2020</b> , 35, 4-33		18
184	Synthesis and photoluminescence properties of Eu <sup>2+</sup> /Eu <sup>3+</sup> or Ce <sup>3+</sup> /Eu <sup>3+</sup> co-doped Sr <sub>5</sub> (BO <sub>3</sub> ) <sub>3</sub> F compounds. <i>Ceramics International</i> , <b>2020</b> , 46, 560-567	5.1	5
183	A universal HF-free synthetic method to highly efficient narrow-band red-emitting A <sub>2</sub> XF <sub>6</sub> :Mn <sup>4+</sup> (A = K, Na, Rb, Cs; X = Si, Ge, Ti) phosphors. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 1018-1026	3.8	13
182	A Double-Band Emitter with Ultranarrow-Band Blue and Narrow-Band Green Luminescence. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2204-2210	4.8	10
181	Critical Review A Promising Cs <sub>3</sub> CoCl <sub>5</sub> Prototype Phosphor toward the Discovery of Next-Generation LED Phosphor. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 016016	2	3

180	Critical Review Data-Driven Discovery of Novel Phosphors. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 016013	2	11
179	Cuboid-Size-Controlled Color-Tunable Eu-Doped Alkali-Lithosilicate Phosphors. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 1748-1759	9.6	32
178	Highly Efficient Green-to-Yellowish-Orange Emitting Eu <sup>2+</sup> -Doped Pyrophosphate Phosphors with Superior Thermal Quenching Resistance for w-LEDs. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901859	8.1	35
177	Photoluminescence control and abnormal Eu <sup>3+</sup> orange emission in Ln <sup>3+</sup> (Ln <sup>3+</sup> = Ce <sup>3+</sup> , Eu <sup>3+</sup> )-doped oxyapatite-type phosphors. <b>2020</b> , 22, 311-319		8
176	Improving LED Efficiency with the New Polymorph $\text{Ca Sr AlSiN}_3$ :Eu. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 795-798	4.8	2
175	Electronic structure, energy transfer mechanism and thermal quenching behavior of $\text{K}_3\text{YB}_6\text{O}_{12}$ :Dy <sup>3+</sup> , Eu <sup>3+</sup> phosphor. <i>Optical Materials</i> , <b>2020</b> , 99, 109519	3.3	13
174	Synthesis and Photoluminescence Properties of Rare-Earth-Activated $\text{SrAAlOH}$ (A = Ca, Ba; = 0, 1): New Members of Aluminate Oxyhydrides. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 15384-15393	5.1	5
173	Highly Robust Oxynitride Phosphor against Thermal Oxidization and Hydrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 12286-12294	8.3	11
172	Dual-site occupancy induced broadband cyan emission in $\text{Ba}_2\text{CaB}_2\text{Si}_4\text{O}_{14}$ :Ce <sup>3+</sup> . <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 15626-15633	7.1	22
171	Spot-node-controlled facile synthesis of 3D rare earth micro-networks with symmetry deviation induced high luminescence. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11962-11969	7.1	7
170	Illuminating Nitridoberyllaluminates: The Highly Efficient Red-Emitting Phosphor $\text{Sr}_2[\text{BeAl}_3\text{N}_5]$ :Eu <sup>2+</sup> . <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6611-6617	9.6	10
169	HIP to be Square: Simplifying Nitridophosphate Synthesis in a Hot Isostatic Press. <b>2020</b> , 132, 18397-18400		7
168	HIP to be Square: Simplifying Nitridophosphate Synthesis in a Hot Isostatic Press. <b>2020</b> , 59, 18240-18243		7
167	$\text{Sr}[\text{B}(\text{SO})(\text{SO})]$ : A Borosulfate with an Unprecedented Chain Structure Comprising Disulfate Groups. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 18102-18108	5.1	6
166	Highly efficient and thermally stable luminescence of $\text{Ca}_3\text{Gd}_2\text{Si}_6\text{O}_{18}$ :Ce <sup>3+</sup> , Tb <sup>3+</sup> phosphors based on efficient energy transfer. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 17176-17184	7.1	5
165	Circularly Polarized Absorption and Luminescence of Semiconductor Eu-OCN Nanocrystals in the Blue Region of the Electromagnetic Spectrum. <b>2020</b> , 21, 2019-2024		2
164	Preparation of new apatite-type oxynitrides $\text{Gd}_x\text{Si}_3\text{O}(3x - y + 12)/2\text{N}_y$ (x = 4.3 to 4.7 and y = 0.5 to 1.0) in sealed silica tubes. <b>2020</b> , 289, 121484		
163	Novel narrow-band blue-emitting $\text{Cs}_3\text{Zn}_6\text{B}_9\text{O}_{21}$ :Bi <sup>3+</sup> phosphor with superior thermal stability. <b>2020</b> , 22, 5792-5798		10

162	Discovery of a novel rare-earth free narrow-band blue-emitting phosphor Y <sub>3</sub> Al <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> :Bi <sup>3+</sup> with strong NUV excitation for LCD LED backlights. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 13668-13675	7.1	18
161	Luminescence Characteristics and Vibronic Coupling Behavior of a Highly Efficient Eu <sup>2+</sup> -Activated RbLi <sub>7</sub> Si <sub>2</sub> O <sub>8</sub> Green Phosphor for Wide Color Gamut WLEDs. <b>2020</b> , 2, 3749-3755		3
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159	Understanding of Luminescence Properties Using Direct Measurements on Eu <sup>2+</sup> -Doped Wide Bandgap Phosphors. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000504	8.1	10
158	Unraveling the Eu <sup>2+</sup> -Mn <sup>2+</sup> Energy Transfer Mechanism in w-LED Phosphors. <b>2020</b> , 124, 13902-13911		17
157	Investigations on energy transfer mechanism and tunable luminescent properties of Co-doped Ca <sub>9</sub> La(PO <sub>4</sub> ) <sub>7</sub> :Dy <sup>3+</sup> ,Eu <sup>3+</sup> phosphors. <b>2020</b> , 126, 1		3
156	Self-activated luminescence in AZn <sub>4</sub> (BO <sub>3</sub> ) <sub>3</sub> (A = K, Rb, Cs) and oxygen-defects-related photoluminescence tuning. <b>2020</b> , 288, 121408		4
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154	Borate Hydrides as a New Material Class: Structure, Computational Studies, and Spectroscopic Investigations on Sr(BO) <sub>2</sub> H and Sr(BO) <sub>2</sub> D. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11742-11750	4.8	5
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152	Pressure-Driven Eu <sup>2+</sup> -Doped BaLi <sub>2</sub> Al <sub>2</sub> Si <sub>2</sub> N <sub>6</sub> : A New Color Tunable Narrow-Band Emission Phosphor for Spectroscopy and Pressure Sensor Applications. <b>2020</b> , 30, 2001384		21
151	High-Brightness Red-Emitting Phosphor La(Si,Al)(O,N):Ce for Next-Generation Solid-State Light Sources. <b>2020</b> , 12, 31652-31658		11
150	Highly efficient phosphor-glass composites by pressureless sintering. <i>Nature Communications</i> , <b>2020</b> , 11, 2805	17.4	58
149	Thermal quenching properties of narrow-band blue-emitting MBe <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> :Eu <sup>2+</sup> (M = Ca, Sr) phosphors towards backlight display applications. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2685-2691	6.8	11
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147	Underestimated Color Centers: Defects as Useful Reducing Agents in Lanthanide-Activated Luminescent Materials. <b>2020</b> , 59, 10949-10954		10
146	Novel efficient deep-red-emitting Ca <sub>2</sub> LuTaO <sub>6</sub> :Mn <sup>4+</sup> double-perovskite phosphors for plant growth LEDs. <i>Journal of Luminescence</i> , <b>2020</b> , 222, 117177	3.8	21
145	Preparation and photoluminescence properties of novel Mn <sup>4+</sup> doped Li <sub>3</sub> Mg <sub>2</sub> TaO <sub>6</sub> red-emitting phosphors. <b>2020</b> , 116, 107903		13

144	Cs <sub>4</sub> Cd <sub>1-x</sub> Mn <sub>x</sub> Bi <sub>2</sub> Cl <sub>12</sub> Vacancy-Ordered Halide Perovskite Phosphor with High-Efficiency Orange-Red Emission. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 3510-3516	9.6	38
143	Red luminescent Eu <sup>2+</sup> in K <sub>2</sub> MgH <sub>4</sub> and comparison with KMgH <sub>3</sub> . <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 5124-5130	7.1	4
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141	Narrow-band emitters in LED backlights for liquid-crystal displays. <b>2020</b> , 40, 246-265		53
140	Assessment of Crystalline Materials for Solid State Lighting Applications: Beyond the Rare Earth Elements. <b>2020</b> , 10, 559		7
139	Tunable Photoluminescence and Energy Transfer Efficiency in [Ca(PO)-CaLa(PO):Eu, Mn Solid Solution Phosphors Introduced by Emptying Site and Structural Confinement Effect for Solid-State Lighting Application. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 3596-3605	5.1	15
138	Trendbericht Festkörperchemie. <b>2020</b> , 68, 34-44		
137	Structural, Electronic and Vibrational Properties of YAl(BO). <b>2020</b> , 13,		12
136	Recent progress on discovery of novel phosphors for solid state lighting. <i>Journal of Rare Earths</i> , <b>2020</b> , 38, 464-473	3.7	20
135	Enhanced quantum efficiency and thermal stability in tunable yellow-emitting Sr Ca <sub>1-x</sub> AlSiN <sub>3</sub> :Ce <sup>3+</sup> phosphor. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 831, 154791	5.7	4
134	Dual-Shelled RbLi(Li <sub>3</sub> SiO <sub>4</sub> ) <sub>2</sub> :Eu <sup>2+</sup> @Al <sub>2</sub> O <sub>3</sub> @ODTMS Phosphor as a Stable Green Emitter for High-Power LED Backlights. <b>2020</b> , 132, 13038-13043		4
133	Dual-Shelled RbLi(Li Si O ) :Eu @Al O @ODTMS Phosphor as a Stable Green Emitter for High-Power LED Backlights. <b>2020</b> , 59, 12938-12943		21
132	New Scandium-containing Coordination Polymers with Linear Linker Molecules: Crystal Structures and Luminescence Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 2737-2743	2.3	4
131	Tunable luminescence and energy transfer behavior of Ba <sub>3</sub> La <sub>6</sub> (SiO <sub>4</sub> ) <sub>6</sub> : Er <sup>3+</sup> /Eu <sup>3+</sup> phosphors for solid-state lighting. <i>Journal of Luminescence</i> , <b>2020</b> , 223, 117204	3.8	5
130	Broadband Near-Infrared Garnet Phosphors with Near-Unity Internal Quantum Efficiency. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000296	8.1	74
129	Synthesis, structure and optical properties of novel thermally robust Dy <sup>3+</sup> -doped Ca <sub>9</sub> Sc(PO <sub>4</sub> ) <sub>7</sub> phosphors for NUV-excited white LEDs. <i>Journal of Rare Earths</i> , <b>2021</b> , 39, 277-283	3.7	5
128	Ternary solid solution phosphors Ca <sub>1-x</sub> Li Al <sub>1-x</sub> Si <sub>1+x</sub> N <sub>3</sub> O :Ce <sup>3+</sup> with enhanced thermal stability for high-power laser lighting. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126575	14.7	24
127	Powder synthesis and luminescence properties of green emitting Ba <sub>2</sub> LiSi <sub>7-x</sub> Al <sub>x</sub> N <sub>12-x</sub> O <sub>x</sub> :Eu <sup>2+</sup> phosphor. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 850, 156358	5.7	3

126	Highly efficient Cu-In-Zn-S/ZnS/PVP composites based white light-emitting diodes by surface modulation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 403, 126372	14.7	12
125	Ultra-high color rendering warm-white light-emitting diodes based on an efficient green-emitting garnet phosphor for solid-state lighting. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126950	14.7	61
124	Synthesis, crystal structure and photoluminescence properties of high-color-purity red-emitting SrLu <sub>2</sub> O <sub>4</sub> :Eu <sup>3+</sup> phosphors with excellent thermal stability. <b>2021</b> , 404, 112908		7
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121	Energy transfer induced color-tunable emissions from Ba <sub>2</sub> Gd <sub>5</sub> B <sub>5</sub> O <sub>17</sub> :Ce <sup>3+</sup> /Tb <sup>3+</sup> borate phosphors for white LEDs. <i>Journal of Luminescence</i> , <b>2021</b> , 229, 117685	3.8	7
120	Embedding carbon dots in Eu <sup>3+</sup> -doped metal-organic framework for label-free ratiometric fluorescence detection of Fe <sup>3+</sup> ions. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 886-895	3.8	7
119	Achievement of narrow-band blue-emitting phosphors KScSr Ca SiO:Bi by the migration of luminescence centers.. <b>2021</b> , 11, 12568-12577		4
118	A unique green-emitting phosphor-in-glass (PiG) for solid state laser lighting and displays. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 12751-12758	7.1	3
117	Mn <sup>2+</sup> doping enabled efficient high-color-rendering single-phase white-emitting lead halide perovskites. <b>2021</b> , 66, 97-99		1
116	Enhanced luminescence and tunable color in [Eu, Si]/Mn doped KBaCa(PO) based on charge compensation and energy transfer. <i>Dalton Transactions</i> , <b>2021</b> , 50, 8144-8153	4.3	2
115	Mn <sup>2+</sup> activated Ca-BiAlON broadband deep-red luminescence and sensitization by Eu <sup>2+</sup> , Yb <sup>2+</sup> and Ce <sup>3+</sup> . <i>Materials Advances</i> , <b>2021</b> , 2, 2075-2084	3.3	4
114	Dual-emission Eu-doped Ca <sub>2-x</sub> Sr <sub>x</sub> PN <sub>3</sub> nitridophosphate phosphors prepared by hot isostatic press. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 8158-8162	7.1	
113	High-Power Broadband NIR LEDs Enabled by Highly Efficient Blue-to-NIR Conversion. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001660	8.1	18
112	Broadband white luminescent phosphor Ba(Si <sub>7-x</sub> Al <sub>x</sub> )Li <sub>y</sub> (N <sub>10-x-y</sub> O <sub>x+y</sub> ):Eu <sup>2+</sup> with a high color rendering index for solid state lighting. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 5497-5504	7.1	1
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110	Multiplexed excitations KGd <sub>1-x</sub> Eu <sub>x</sub> (MoO <sub>4</sub> ) <sub>2</sub> red-emitting phosphors with highly Eu <sup>3+</sup> doping for white LED application. <b>2021</b> , 32, 6239-6248		1
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108	MCaHxF <sub>3</sub> (M = Rb, Cs): Synthesis, Structure, and Bright, Site-Sensitive Tunable Eu <sup>2+</sup> Luminescence. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2002052	8.1	3
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106	Role of the Eu Distribution on the Properties of [Ca(PO) <sub>3</sub> ] Phosphors: Structural, Luminescent, and Eu Mössbauer Spectroscopy Study of CaMgEu(PO) <sub>3</sub> . <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3961-3971	5.1	9
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103	Towards green synthesis of Mn <sup>4+</sup> -doped fluoride phosphors: a review. <b>2021</b> , 11, 181-195		8
102	Glass crystallization making red phosphor for high-power warm white lighting. <b>2021</b> , 10, 56		40
101	Single phase white LED phosphor Ca <sub>3</sub> YAl <sub>3</sub> B <sub>4</sub> O <sub>15</sub> :Ce <sup>3+</sup> , Tb <sup>3+</sup> , Sm <sup>3+</sup> with superior performance: Color-tunable and energy transfer study. <i>Chemical Engineering Journal</i> , <b>2021</b> , 410, 128455	14.7	29
100	Unraveling the Energy Levels of Eu <sup>2+</sup> Ions in MBe <sub>2</sub> N <sub>14</sub> :Eu <sup>2+</sup> (M = Sr, Ba) Phosphors. <b>2021</b> , 125, 11828-11837		3
99	Design principles for achieving red emission in Eu <sup>2+</sup> /Eu <sup>3+</sup> doped inorganic solids. <b>2021</b> , 129, 200903		4
98	Tailoring of White Luminescence in a NaLi SiO <sub>3</sub> :Eu Phosphor Containing Broad-Band Defect-Induced Charge-Transfer Emission. <b>2021</b> , 33, e2101428		32
97	Designed glass frames full color in white light-emitting diodes and laser diodes lighting. <i>Chemical Engineering Journal</i> , <b>2021</b> , 414, 128754	14.7	15
96	Spatial coherence from Nd quantum emitters mediated by a plasmonic chain. <i>Optics Express</i> , <b>2021</b> , 29, 26244-26254	3.3	1
95	Flux-assisted low-temperature synthesis of Mn <sup>4+</sup> -doped unusual broadband deep-red phosphors toward warm w-LEDs. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 870, 159394	5.7	6
94	A single host phosphor Ca <sub>3</sub> (SiO <sub>3</sub> ) <sub>3</sub> :Eu <sup>2+</sup> , Mn <sup>2+</sup> with good monodispersity for phosphor-converted white LEDs. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 868, 159204	5.7	2
93	Spontaneous-reduction and photoluminescence tuning in singly-doped Ba <sub>5-y</sub> Cay(PO <sub>4</sub> ) <sub>3</sub> Cl:Eu <sup>2+</sup> /Eu <sup>3+</sup> phosphors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 869, 159277	5.7	1
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90	Bismuth-activated, narrow-band, cyan garnet phosphor $\text{Ca}_3\text{Y}_2\text{Ge}_3\text{O}_{12}:\text{Bi}^{3+}$ for near-ultraviolet-pumped white LED application. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 6299 <sup>3.8</sup>	2
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68	Bifunctional application of LaBWO:Bi,Sm phosphors with strong orange-red emission and sensitive temperature sensing properties. <i>Dalton Transactions</i> , <b>2021</b> , 50, 15187-15197	4.3	0
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52	Photo Curing and Pressureless Sintering of Orange-emitting Glass-ceramics. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , <b>2021</b> , 518	1	1
51	One-step low-temperature solid-state synthesis of lead-free cesium copper halide Cs <sub>3</sub> Cu <sub>2</sub> Br <sub>5</sub> phosphors with bright blue emissions. <i>Materials Today Chemistry</i> , <b>2022</b> , 23, 100678	6.2	0
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39	A novel Bi <sup>3+</sup> -Activated garnet phosphor with site-selected excitations and high temperature sensitivity. <i>Ceramics International</i> , <b>2022</b> ,	5.1	0
38	Multiple Charge Transfer Bands Induced Broad Excitation Eu Red Emission in a Vanadium Phosphate System for White Light-Emitting Diodes.. <i>Inorganic Chemistry</i> , <b>2022</b> ,	5.1	1
37	Evolutionary Generation of Phosphor Materials and Their Progress in Future Applications for Light-Emitting Diodes. <i>Chemical Reviews</i> ,	68.1	15

36	Efficient, Stable, and Ultra-Broadband Near-Infrared Garnet Phosphors for Miniaturized Optical Applications. <i>Advanced Optical Materials</i> , 2200676	8.1	6
35	Superhigh-Luminance Ce:YAG Phosphor in Glass and Phosphor-in-Glass Film for Laser Lighting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 8105-8114	8.3	5
34	Correlating Doping with Stability and Color Rendition of Red Phosphors. <i>Materials Advances</i> ,	3.3	0
33	Structural and wavelength dependent optical properties of La <sub>1-x</sub> Eu <sub>x</sub> CoO <sub>3</sub> perovskite phosphor. <i>Ceramics International</i> , <b>2022</b> ,	5.1	1
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28	Phosphor-in-Silica-Glass: Filling the Gap between Low- and High-Brightness Solid-State Lightings. 2200553		1
27	Manganese activated narrowband red-emitting Cs <sub>2</sub> KInF <sub>6</sub> :Mn <sup>4+</sup> phosphor with high colour purity for backlight display. <b>2022</b> ,		0
26	A novel red-emitting phosphor with an unusual concentration quenching effect for near-UV-based WLEDs.		0
25	The crystal structure and luminescence properties of the first lithium oxonitridolithosilicate Li <sub>3</sub> SiNO <sub>2</sub> :Eu <sup>2+</sup> .		1
24	High Thermal Stability Phosphor with Rigid Structure Similar to Benzene Ring and Application in Plant Growth.		0
23	Blue-light-excited red emission in a CaO:Eu phosphor. <b>2022</b> , 119457		0
22	Li <sub>2</sub> Ba <sub>4</sub> Al <sub>2</sub> Ta <sub>2</sub> N <sub>8</sub> O, the first barium nitridoaluminum tantalate with BCT-zeolite type structure.		0
21	Compositional tuning and site engineering of Sr-alloyed Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> :Mn <sup>2+</sup> , Eu <sup>2+</sup> towards multicenter-activated single-component white light emitter. <b>2022</b> , 134, 107030		0
20	Producing Tunable Broadband Near-Infrared Emission through Co-Substitution in (Ga <sub>1-x</sub> Mg <sub>x</sub> )(Ga <sub>1-x</sub> Gex)O <sub>3</sub> :Cr <sup>3+</sup> . <b>2022</b> , 14, 51157-51164		0
19	Solid-liquid transitions in Mn-based ionic liquids [MeM] <sub>2</sub> [MnBr <sub>4</sub> ] and [EtM] <sub>2</sub> [MnBr <sub>4</sub> ] producing emission spectra with narrow green bands. <b>2022</b> , 112103		0

- 18 Stabilization of  $\text{Eu}^{2+}$  in  $\text{Li}_2\text{B}_4\text{O}_7$  with the  $\text{BO}_3$  network through  $\text{U}^{6+}$  co-doping and defect engineering. ○
- 17 Enhanced effect of co-doping of  $\text{Ln}^{3+}$  on the luminescent properties of  $\text{BaSiO}_3:\text{Eu}^{3+}$  red phosphors. ○
- 16 Exploiting Desired Phosphor-In-Glass for All-Inorganic Solid-State White Illumination. 2200639 ○
- 15 Narrow-Band Emitting Phosphor  $\text{Na}_2\text{Cs}_2\text{Sr}(\text{B}_9\text{O}_{15})_2:\text{Eu}^{2+}$  Discovered from Local Structure Similarity with Sulfate Phosphor. 11878-11882 ○
- 14  $\text{Ba}_4\text{Al}_7\text{Li}_{28.08}\text{O}_{26.92}\text{N}_{1.08}$ , the Barium Oxonitridolithoaluminate with a Highly Condensed  $\text{LiO}_4$  Tetrahedra Framework. ○
- 13 Regulating the photoluminescence and energy transfer process of  $\text{Sr}_5(\text{PO}_4)_3\text{Cl}:\text{Eu}^{2+}, \text{Mn}^{2+}$  via pressure-induced phase transition. ○
- 12  $\text{Eu}^{3+}$  Activated Red Phosphor  $\text{Ca}_3\text{YAl}_3\text{B}_4\text{O}_{15}$  with Low Thermal Quenching Behavior. ○
- 11 Non-rare-earth-doped submicron-grade narrow-band red phosphors for W-LED as well as FED and enhanced  $\text{Bi}^{3+}$ -doped blue light absorption. ○
- 10 Novel orange-red phosphor  $\text{Sr}_3\text{Al}_2\text{Si}_3\text{O}_{12}:\text{Eu}^{3+}$  excited by ultraviolet or blue light with excellent thermal stability and color purity. **2023**, 150, 110470 ○
- 9 Synthesis, characterization, and exploring optical pathways of centrosymmetric  $\text{Li}_2\text{MgP}_2\text{O}_7/\text{ZnMgP}_2\text{O}_7:\text{Eu}^{3+}$  pyrophosphate phosphor for LEDs applications. **2023**, 1285, 135466 ○
- 8 Abnormal  $\text{Eu}^{3+}$  - $\text{Eu}^{2+}$  Reduction in  $\text{Ca}_9\text{MnxEu}(\text{PO}_4)_7$  Phosphors: Structure and Luminescent Properties. **2023**, 16, 1383 ○
- 7 Facile Synthesis of Highly Efficient and Thermally Stable  $\text{BaAl}_4\text{Sb}_2\text{O}_{12}:\text{Eu}^{2+}$  Phosphor in Air. 2214611 ○
- 6 A dual-functional platform for plant cultivation and wide-range optical thermometry based on vibration sidebands. **2023**, 49, 18084-18094 ○
- 5 Mixed Microscopic  $\text{Eu}^{2+}$  Occupancies in the Next-Generation Red LED Phosphor  $\text{Sr}[\text{Li}_2\text{Al}_2\text{O}_2\text{N}_2]:\text{Eu}^{2+}$  (SALON: $\text{Eu}^{2+}$ ). 2202732 ○
- 4 Photophysical Properties of Bright Luminescent Polyethyleneimine@Carbon Nanodots and Their Application in White Light-Emitting Diodes. **2023**, 10, 262 ○
- 3 Ultrahighly Efficient Narrowband Red Luminescence of Uniquely Distorted  $\text{Mn}^{4+}$  Octahedron in the Feldspar-Type LED Phosphor. 2200940 ○
- 2 Polymorphism and polymorph-dependent luminescence properties of the first lithium oxonitridolithosilicate  $\text{Li}_3\text{SiNO}_2:\text{Eu}^{2+}$ . **2023**, 52, 4900-4910 ○
- 1 Ultra-small Stokes shift induced thermal robust efficient blue-emitting alkaline phosphate phosphors for LWUV WLEDs. **2023**, ○

