

Quanlin Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

266
papers

9,997
citations

53
h-index

89
g-index

283
ext. papers

12,052
ext. citations

5.5
avg, IF

7.04
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 266 | Reversible Mechanically Induced On/Off Photoluminescence in Hybrid Metal Halides. <i>Advanced Functional Materials</i> , 2022 , 32, 2110771 | 15.6 | 2 |
| 265 | Broadband light emitting zero-dimensional antimony and bismuth-based hybrid halides with diverse structures. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 15942-15948 | 7.1 | 1 |
| 264 | Broad Photoluminescence and Second-Harmonic Generation in the Noncentrosymmetric Organic/Inorganic Hybrid Halide (C ₆ H ₅ (CH ₂) ₄ NH ₃) ₄ MX ₇ H ₂ O (M = Bi, In, X = Br or I). <i>Chemistry of Materials</i> , 2021 , 33, 8106-8111 | 9.6 | 3 |
| 263 | Efficient near-infrared pyroxene phosphor LiInGe ₂ O ₆ :Cr ³⁺ for NIR spectroscopy application. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 4577-4584 | 3.8 | 19 |
| 262 | Structural Confinement for Cr ³⁺ Activators toward Efficient Near-Infrared Phosphors with Suppressed Concentration Quenching. <i>Chemistry of Materials</i> , 2021 , 33, 3621-3630 | 9.6 | 32 |
| 261 | A broadband near-infrared phosphor Ca ₃ Y ₂ Ge ₃ O ₁₂ :Cr ³⁺ with garnet structure. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158699 | 5.7 | 20 |
| 260 | Efficiency-Tunable Single-Component White-Light Emission Realized in Hybrid Halides Through Metal Co-Occupation. <i>ACS Applied Materials & Interfaces</i> , 2021 , | 9.5 | 6 |
| 259 | Crystal-field splitting of Ce ³⁺ in narrow-band phosphor SrLiAl ₃ N ₄ . <i>Journal of Rare Earths</i> , 2021 , 39, 386-389 | 3.9 | 3 |
| 258 | Orange super-long persistent luminescent materials: (Sr _{1-x} Bax) ₃ SiO ₅ :Eu ²⁺ ,Nb ⁵⁺ . <i>Materials Chemistry Frontiers</i> , 2021 , 5, 333-340 | 7.8 | 11 |
| 257 | Infrared-photostimulable and long-persistent ultraviolet-emitting phosphor LiLuGeO ₄ :Bi ³⁺ ,Yb ³⁺ for biophotonic applications. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1468-1476 | 7.8 | 12 |
| 256 | Color-Tunable Persistent Luminescence of CaM(PO) ₃ :Eu (M = Li, Na, and K) with a β -Ca(PO)-Type Structure. <i>Inorganic Chemistry</i> , 2021 , 60, 3952-3960 | 5.1 | 15 |
| 255 | Light-Emitting 0D Hybrid Metal Halide (CHN)SbCl with Antimony Dimers. <i>Inorganic Chemistry</i> , 2021 , 60, 11429-11434 | 5.1 | 5 |
| 254 | Structure and Optical Properties of Hybrid-Layered-Double Perovskites (CHN)AgMBr (M = In, Sb, and Bi). <i>Inorganic Chemistry</i> , 2021 , 60, 14629-14635 | 5.1 | 1 |
| 253 | Site engineering strategy toward enhanced luminescence thermostability of a Cr ³⁺ -doped broadband NIR phosphor and its application. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3841-3849 | 7.8 | 24 |
| 252 | Tuning luminescence from NIR-I to NIR-II in Cr ³⁺ -doped olivine phosphors for nondestructive analysis. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5469-5477 | 7.1 | 30 |
| 251 | Zero-Dimensional Lead-Free Halide with Indirect Optical Gap and Enhanced Photoluminescence by Sb Doping.. <i>Journal of Physical Chemistry Letters</i> , 2021 , 198-207 | 6.4 | 4 |
| 250 | Decreasing Structural Dimensionality of Double Perovskites for Phase Stabilization toward Efficient X-ray Detection.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61447-61453 | 9.5 | 4 |

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| 249 | UV-Red Light-Chargeable Near-Infrared-Persistent Phosphors and Their Applications.. <i>ACS Applied Materials & Interfaces</i> , 2021 , | 9.5 | 7 |
| 248 | Understanding the abnormal lack of spectral shift with cation substitution in highly efficient phosphor LaSiN:Ce. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 14162-14168 | 3.6 | 3 |
| 247 | Broadband deep-red-to-near-infrared emission from Mn ²⁺ in strong crystal-field of nitride MgAlSiN ₃ . <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6793-6800 | 3.8 | 12 |
| 246 | Enhanced persistent luminescence via Si ⁴⁺ co-doping in Y ₃ Al ₂ Ga ₃ O ₁₂ :Ce ³⁺ , Yb ³⁺ , B ³⁺ . <i>Journal of Luminescence</i> , 2020 , 222, 117190 | 3.8 | 1 |
| 245 | Crystal structure and luminescence properties of lead-free metal halides (C ₆ H ₅ CH ₂ NH ₃) ₃ MBr ₆ (M = Bi and Sb). <i>Journal of Materials Chemistry C</i> , 2020 , 8, 7322-7329 | 7.1 | 28 |
| 244 | Broadband Photoluminescence in 2D Organic-Inorganic Hybrid Perovskites: (CHN)PbBr and (CHN)PbBr. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 2934-2940 | 6.4 | 35 |
| 243 | Red persistent and photostimulable phosphor SrLiAl ₃ N ₄ :Eu ²⁺ . <i>Journal of Materials Chemistry C</i> , 2020 , 8, 4956-4964 | 7.1 | 19 |
| 242 | Tolerance Factor and Phase Stability of the Normal Spinel Structure. <i>Crystal Growth and Design</i> , 2020 , 20, 2014-2018 | 3.5 | 7 |
| 241 | Tolerance factor, phase stability and order-disorder of the pyrochlore structure. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1583-1590 | 6.8 | 15 |
| 240 | Highly efficient near-infrared phosphor LaMgGa ₁₁ O ₁₉ :Cr ³⁺ . <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 146761-1473 | 6.3 | 63 |
| 239 | Structural Indicator to Characterize the Crystal-Field Splitting of Ce ³⁺ in Garnets. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 870-873 | 3.8 | 6 |
| 238 | Sunlight-activated yellow long persistent luminescence from Nb-doped Sr ₃ SiO ₅ :Eu ²⁺ for warm-color mark applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1143-1150 | 7.1 | 32 |
| 237 | Yellow persistent luminescence and electronic structure of Ca ²⁺ -Sialon: Eu ²⁺ . <i>Journal of Alloys and Compounds</i> , 2020 , 821, 153482 | 5.7 | 8 |
| 236 | Tunable Luminescence in Hybrid Cu(I) and Ag(I) Iodides. <i>Inorganic Chemistry</i> , 2020 , 59, 15487-15494 | 5.1 | 3 |
| 235 | Effect of nitrogen substitution on luminescence tuning in garnets. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9513-9517 | 3.6 | |
| 234 | Lead-Free Broadband Orange-Emitting Zero-Dimensional Hybrid (PMA)InBr with Direct Band Gap. <i>Inorganic Chemistry</i> , 2019 , 58, 15602-15609 | 5.1 | 42 |
| 233 | Green persistent luminescence and the electronic structure of β -Sialon:Eu ²⁺ . <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12544-12551 | 7.1 | 21 |
| 232 | Recent advances in solid-state LED phosphors with thermally stable luminescence. <i>Journal of Rare Earths</i> , 2019 , 37, 565-572 | 3.7 | 111 |

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| 231 | Effect of polyhedron deformation on the 5d energy level of Ce in lanthanide aluminum perovskites. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 2372-2377 | 3.6 | 7 |
| 230 | Structure and photoluminescence properties of $\text{Ca}_{0.99-x}\text{Sr}_x\text{AlSiN}_3:0.01\text{Ce}^{3+}$ solid solutions. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 4648-4658 | 3.8 | 13 |
| 229 | Polyhedron Transformation toward Stable Narrow-Band Green Phosphors for Wide-Color-Gamut Liquid Crystal Display. <i>Advanced Functional Materials</i> , 2019 , 29, 1901988 | 15.6 | 101 |
| 228 | Enhanced Yellow Persistent Luminescence in $\text{SrSiO}:\text{Eu}$ through Ge Incorporation. <i>Inorganic Chemistry</i> , 2019 , 58, 8694-8701 | 5.1 | 18 |
| 227 | Relationship of Stokes shift with composition and structure in $\text{Ce}^{3+}/\text{Eu}^{2+}$ -doped inorganic compounds. <i>Journal of Luminescence</i> , 2019 , 212, 250-263 | 3.8 | 27 |
| 226 | Effects of Neighboring Polyhedron Competition on the 5d Level of Ce^{3+} in Lanthanide Garnets. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 8656-8662 | 3.8 | 12 |
| 225 | Lead-Free Perovskite Derivative $\text{Cs}_2\text{SnCl}_6-x\text{Br}_x$ Single Crystals for Narrowband Photodetectors. <i>Advanced Optical Materials</i> , 2019 , 7, 1900139 | 8.1 | 78 |
| 224 | Unraveling the mechanochemical synthesis and luminescence in MnII-based two-dimensional hybrid perovskite $(\text{C}_4\text{H}_9\text{NH}_3)_2\text{PbCl}_4$. <i>Science China Materials</i> , 2019 , 62, 1013-1022 | 7.1 | 19 |
| 223 | Design Optimization of Lead-Free Perovskite $\text{Cs}_2\text{AgInCl}_6:\text{Bi}$ Nanocrystals with 11.4% Photoluminescence Quantum Yield. <i>Chemistry of Materials</i> , 2019 , 31, 3333-3339 | 9.6 | 134 |
| 222 | Emerging ultra-narrow-band cyan-emitting phosphor for white LEDs with enhanced color rendition. <i>Light: Science and Applications</i> , 2019 , 8, 38 | 16.7 | 255 |
| 221 | Manipulation of $\text{Bi}^{3+}/\text{In}^{3+}$ Transmutation and Mn^{2+} -Doping Effect on the Structure and Optical Properties of Double Perovskite $\text{Cs}_2\text{NaBi}_{1-x}\text{In}_x\text{Cl}_6$. <i>Advanced Optical Materials</i> , 2019 , 7, 1801435 | 8.1 | 92 |
| 220 | Effects of full-range Eu concentration on $\text{Sr}_{2-2x}\text{Eu}_2\text{Si}_5\text{N}_8$ phosphors: A deep-red emission and luminescent thermal quenching. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 1069-1077 | 5.7 | 30 |
| 219 | Luminescent perovskites: recent advances in theory and experiments. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2969-3011 | 6.8 | 109 |
| 218 | Luminescent thermal stability and electronic structure of narrow-band green-emitting $\text{Sr-Sialon}:\text{Eu}^{2+}$ phosphors for LED/LCD backlights. <i>Journal of Alloys and Compounds</i> , 2019 , 805, 1246-1253 | 5.7 | 10 |
| 217 | Tolerance factor and phase stability of the garnet structure. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019 , 75, 1353-1358 | 0.8 | 28 |
| 216 | Double perovskite $\text{Cs}_2\text{AgInCl}_6:\text{Cr}^{3+}$: broadband and near-infrared luminescent materials. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 3621-3628 | 6.8 | 78 |
| 215 | Discovery of New Narrow-Band Phosphors with the UCr_4C_4 -Related Type Structure by Alkali Cation Effect. <i>Advanced Optical Materials</i> , 2019 , 7, 1801631 | 8.1 | 78 |
| 214 | The red persistent luminescence of $(\text{Sr,Ca})\text{AlSiN}_3:\text{Eu}^{2+}$ and mechanism different to $\text{SrAl}_2\text{O}_4:\text{Eu}^{2+},\text{Dy}^{3+}$. <i>Journal of Luminescence</i> , 2019 , 208, 313-321 | 3.8 | 35 |

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| 213 | Synthesis and Luminescence Properties of CsPbX@Uio-67 Composites toward Stable Photoluminescence Convertors. <i>Inorganic Chemistry</i> , 2019 , 58, 1690-1696 | 5.1 | 45 |
| 212 | Li substituent tuning of LED phosphors with enhanced efficiency, tunable photoluminescence, and improved thermal stability. <i>Science Advances</i> , 2019 , 5, eaav0363 | 14.3 | 101 |
| 211 | Enhanced Persistence Properties through Modifying the Trap Depth and Density in YAlGaO:Ce,Yb Phosphor by Co-doping B. <i>Inorganic Chemistry</i> , 2019 , 58, 1684-1689 | 5.1 | 28 |
| 210 | The Inductive Effect in Nitridosilicates and Oxysilicates and Its Effects on 5d Energy Levels of Ce. <i>Inorganic Chemistry</i> , 2018 , 57, 2320-2331 | 5.1 | 7 |
| 209 | Insight into the Relationship between Crystal Structure and Crystal-Field Splitting of Ce ³⁺ Doped Garnet Compounds. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3567-3574 | 3.8 | 30 |
| 208 | Near UV-pumped yellow-emitting Sr ₉ MgLi(PO ₄) ₇ :Eu ²⁺ phosphor for white-light LEDs. <i>Science China Materials</i> , 2018 , 61, 985-992 | 7.1 | 59 |
| 207 | Crystal structures, phase transitions and thermal expansion properties of NaZr ₂ (PO ₄) ₃ BrZr ₄ (PO ₄) ₆ solid solutions. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 619-625 | 6.8 | 6 |
| 206 | Control of Luminescence in Eu-Doped Orthosilicate-Orthophosphate Phosphors by Chainlike Polyhedra and Electronic Structures. <i>Inorganic Chemistry</i> , 2018 , 57, 609-616 | 5.1 | 21 |
| 205 | Two-Step Synthesis and Surface Modification of CaZnOS:Mn Phosphors and the Fabrication of a Luminescent Poly(dimethylsiloxane) Film. <i>Inorganic Chemistry</i> , 2018 , 57, 1670-1675 | 5.1 | 12 |
| 204 | Encapsulation of CHNHPbBr Perovskite Quantum Dots in MOF-5 Microcrystals as a Stable Platform for Temperature and Aqueous Heavy Metal Ion Detection. <i>Inorganic Chemistry</i> , 2018 , 57, 4613-4619 | 5.1 | 117 |
| 203 | Consequence of Optimal Bonding on Disordered Structure and Improved Luminescence Properties in T-Phase (Ba,Ca)SiO:Eu Phosphor. <i>Inorganic Chemistry</i> , 2018 , 57, 4146-4154 | 5.1 | 33 |
| 202 | 5d-level centroid shift and coordination number of Ce ³⁺ in nitride compounds. <i>Journal of Luminescence</i> , 2018 , 200, 35-42 | 3.8 | 33 |
| 201 | Structural construction and photoluminescence tuning via energy transfer in apatite-type solid-state phosphors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4371-4383 | 7.1 | 56 |
| 200 | High Br Content CsPb(Cl Br) Perovskite Nanocrystals with Strong Mn Emission through Diverse Cation/Anion Exchange Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11739-11746 | 9.5 | 74 |
| 199 | Synthesis, structure and luminescence of SrLiAl ₃ N ₄ :Ce ³⁺ phosphor. <i>Journal of Luminescence</i> , 2018 , 199, 271-277 | 3.8 | 17 |
| 198 | Crystal field splitting of 4f ⁿ 5d-levels of Ce ³⁺ and Eu ²⁺ in nitride compounds. <i>Journal of Luminescence</i> , 2018 , 194, 461-466 | 3.8 | 58 |
| 197 | Enhanced performance of Sr ₂ Si ₅ N ₈ : Eu ²⁺ red afterglow phosphor by co-doping with boron and oxygen. <i>Journal of Luminescence</i> , 2018 , 204, 36-40 | 3.8 | 19 |
| 196 | Learning from a Mineral Structure toward an Ultra-Narrow-Band Blue-Emitting Silicate Phosphor RbNa ₃ (Li ₃ SiO ₄) ₄ :Eu ²⁺ . <i>Angewandte Chemie</i> , 2018 , 130, 11902-11905 | 3.6 | 76 |

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| 195 | CHNHPbBr Perovskite Nanocrystals Encapsulated in Lanthanide Metal-Organic Frameworks as a Photoluminescence Converter for Anti-Counterfeiting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27875-27884 | 9.5 | 94 |
| 194 | Learning from a Mineral Structure toward an Ultra-Narrow-Band Blue-Emitting Silicate Phosphor RbNa (Li SiO) :Eu. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11728-11731 | 16.4 | 111 |
| 193 | Eu Site Preferences in the Mixed Cation KBaCa(PO) and Thermally Stable Luminescence. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9730-9736 | 16.4 | 301 |
| 192 | Structural Confinement toward Giant Enhancement of Red Emission in Mn ²⁺ -Based Phosphors. <i>Advanced Functional Materials</i> , 2018 , 28, 1804150 | 15.6 | 98 |
| 191 | Next-Generation Narrow-Band Green-Emitting RbLi(Li SiO) :Eu Phosphor for Backlight Display Application. <i>Advanced Materials</i> , 2018 , 30, e1802489 | 24 | 312 |
| 190 | Pure red upconversion luminescence and optical thermometry of Er ³⁺ doped sensitizer-rich SrYbInO ₄ phosphors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7361-7366 | 7.1 | 49 |
| 189 | Moisture-induced degradation of the narrow-band red-emitting SrLiAl ₃ N ₄ :Eu ²⁺ phosphor. <i>Journal of Rare Earths</i> , 2018 , 36, 341-345 | 3.7 | 12 |
| 188 | Postsynthetic Surface Trap Removal of CsPbX ₃ (X = Cl, Br, or I) Quantum Dots via a ZnX ₂ /Hexane Solution toward an Enhanced Luminescence Quantum Yield. <i>Chemistry of Materials</i> , 2018 , 30, 8546-8554 | 9.6 | 196 |
| 187 | Synergetic Effect of Postsynthetic Water Treatment on the Enhanced Photoluminescence and Stability of CsPbX ₃ (X = Cl, Br, I) Perovskite Nanocrystals. <i>Chemistry of Materials</i> , 2018 , 30, 6922-6929 | 9.6 | 113 |
| 186 | Charge Transfer, Local Structure, and the Inductive Effect in Rare-Earth-Doped Inorganic Solids. <i>Inorganic Chemistry</i> , 2018 , 57, 12376-12383 | 5.1 | 14 |
| 185 | High-Yield Production of Monolayer FePS Quantum Sheets via Chemical Exfoliation for Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2018 , 30, e1707433 | 24 | 75 |
| 184 | Two-Dimensional-Layered Perovskite ALaTaO:Bi (A = K and Na) Phosphors with Versatile Structures and Tunable Photoluminescence. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24648-24655 | 9.5 | 69 |
| 183 | Tuning of Photoluminescence and Local Structures of Substituted Cations in xSr ₂ Ca(PO ₄) ₂ (1-x)Ca ₁₀ Li(PO ₄) ₇ :Eu ²⁺ Phosphors. <i>Chemistry of Materials</i> , 2017 , 29, 1430-1438 | 9.6 | 162 |
| 182 | Controllable Synthesis and Optical Properties of ZnS:Mn/ZnS/ZnS:Cu/ZnS Core/Multishell Quantum Dots toward Efficient White Light Emission. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9833-9839 | 9.5 | 20 |
| 181 | Insight into the preparation and luminescence properties of yellow-green-emitting [(Sr,Ba) ₃ AlO ₄ FBr ₃ SiO ₅]:Ce ³⁺ solid solution phosphors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3176-3182 | 7.1 | 20 |
| 180 | Composition design, optical gap and stability investigations of lead-free halide double perovskite Cs ₂ AgInCl ₆ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15031-15037 | 13 | 197 |
| 179 | Reply to Comment on Tuning of Photoluminescence and Local Structures of Substituted Cations in xSr ₂ Ca(PO ₄) ₂ (1-x)Ca ₁₀ Li(PO ₄) ₇ :Eu ²⁺ Phosphors. <i>Chemistry of Materials</i> , 2017 , 29, 3803-3805 | 9.6 | 1 |
| 178 | Photoluminescence Tuning in Stretchable PDMS Film Grafted Doped Core/Multishell Quantum Dots for Anticounterfeiting. <i>Advanced Functional Materials</i> , 2017 , 27, 1700051 | 15.6 | 72 |

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| 177 | Optical properties of Mn ²⁺ doped cesium lead halide perovskite nanocrystals via a cation/anion co-substitution exchange reaction. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9281-9287 | 7.1 | 65 |
| 176 | Improvement of red-emitting afterglow properties via tuning electronic structure in perovskite-type (Ca _{1-x} Na _x) [Ti _{1-x} Nb _x] O ₃ : Pr ³⁺ compounds. <i>Journal of Alloys and Compounds</i> , 2017 , 729, 663-670 | 5.7 | 13 |
| 175 | After-glow, luminescent thermal quenching, and energy band structure of Ce-doped yttrium aluminum-gallium garnets. <i>Journal of Luminescence</i> , 2017 , 192, 1278-1287 | 3.8 | 32 |
| 174 | Efficient Photocatalytic Hydrogen Evolution via Band Alignment Tailoring: Controllable Transition from Type-I to Type-II. <i>Small</i> , 2017 , 13, 1702163 | 11 | 34 |
| 173 | Luminescence Tuning, Thermal Quenching, and Electronic Structure of Narrow-Band Red-Emitting Nitride Phosphors. <i>Inorganic Chemistry</i> , 2017 , 56, 11837-11844 | 5.1 | 46 |
| 172 | Probing Eu ²⁺ Luminescence from Different Crystallographic Sites in Ca ₁₀ M(PO ₄) ₇ :Eu ²⁺ (M = Li, Na, and K) with \bar{C} -Ca ₃ (PO ₄) ₂ -Type Structure. <i>Chemistry of Materials</i> , 2017 , 29, 7563-7570 | 9.6 | 97 |
| 171 | Temperature and Eu ²⁺ -Doping Induced Phase Selection in NaAlSiO ₄ Polymorphs and the Controlled Yellow/Blue Emission. <i>Chemistry of Materials</i> , 2017 , 29, 6552-6559 | 9.6 | 70 |
| 170 | Tuning Luminescence by Varying the O/N or Al/Si Ratio in Some Eu-Doped Nitride Phosphors 2017 , 343-370 | | 1 |
| 169 | Synthesis and energy transfer studies of LaMgAl ₁₁ O ₁₉ :Cr ³⁺ , Nd ³⁺ phosphors. <i>Materials Research Bulletin</i> , 2016 , 74, 9-14 | 5.1 | 16 |
| 168 | Relationship between thermal quenching of Eu ²⁺ luminescence and cation ordering in (Ba _{1-x} Br _x) ₂ SiO ₄ :Eu phosphors. <i>Journal of Luminescence</i> , 2016 , 180, 163-168 | 3.8 | 29 |
| 167 | Full color control and white emission from CaZnOS:Ce ³⁺ ,Na ⁺ ,Mn ²⁺ phosphors via energy transfer. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9711-9716 | 7.1 | 46 |
| 166 | Insight into the Controlled Synthesis of Cu ₂ Zn(Ge,Sn) ₄ Nanoparticles with Selective Grain Size. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 16969-16976 | 3.8 | 9 |
| 165 | Structure and luminescence properties of Eu ²⁺ doped Lu _x Sr _{2-x} Si _x O ₄ phosphors evolved from chemical unit cosubstitution. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1336-1344 | 7.1 | 58 |
| 164 | Tuning of Photoluminescence by Cation Nanosegregation in the (CaMg) _x (NaSc) _(1-x) Si ₂ O ₆ Solid Solution. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1158-61 | 16.4 | 142 |
| 163 | Analysis on stability and consistency of intensity measurement of White Light Emitting Diode phosphors. <i>Optik</i> , 2016 , 127, 2798-2801 | 2.5 | 4 |
| 162 | Evolution of Structure and Photoluminescence by Cation Cosubstitution in Eu(2+)-Doped (Ca(1-x)Li(x))(Al(1-x)Si(1+x)) ₃ Solid Solutions. <i>Inorganic Chemistry</i> , 2016 , 55, 2929-33 | 5.1 | 53 |
| 161 | Photoluminescence tuning via energy transfer in Eu-doped Ba ₂ (Gd,Tb) ₂ Si ₄ O ₁₃ solid-solution phosphors. <i>RSC Advances</i> , 2016 , 6, 2046-2054 | 3.7 | 23 |
| 160 | The synthesis of narrow-band red-emitting SrLiAl ₃ N ₄ :Eu ²⁺ phosphor and improvement of its luminescence properties. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7332-7338 | 7.1 | 51 |

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| 159 | Role of flux on synthesis of poly single crystals of Ce ³⁺ doped yttrium aluminum garnet. <i>Crystal Research and Technology</i> , 2016 , 51, 239-242 | 1.3 | 3 |
| 158 | Carbon dots decorated vertical SnS ₂ nanosheets for efficient photocatalytic oxygen evolution. <i>Applied Physics Letters</i> , 2016 , 109, 053905 | 3.4 | 18 |
| 157 | Recent developments in the new inorganic solid-state LED phosphors. <i>Dalton Transactions</i> , 2016 , 45, 11214-32 | 4.3 | 391 |
| 156 | Crevice corrosion of copper for radioactive waste packaging material in simulated groundwater. <i>Corrosion Engineering Science and Technology</i> , 2016 , 51, 11-17 | 1.7 | 11 |
| 155 | Correlation between the energy level structure of cerium-doped yttrium aluminum garnet and luminescent behavior at varying temperatures. <i>Materials Research Express</i> , 2016 , 3, 055501 | 1.7 | 8 |
| 154 | Synthesis, up-conversion luminescence and thermometry of Yb/Er co-doped LaMoO phosphors. <i>Dalton Transactions</i> , 2016 , 45, 16240-16245 | 4.3 | 22 |
| 153 | New insight into the crystal structure of Sr ₄ Ca(PO ₄) ₂ SiO ₄ and the photoluminescence tuning of Sr ₄ Ca(PO ₄) ₂ SiO ₄ :Ce ³⁺ ,Na ⁺ ,Eu ²⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9078-9084 | 7.1 | 31 |
| 152 | Ethylenediamine-Assisted Hydrothermal Synthesis of NaCaSiOOH: Controlled Morphology, Mechanism, and Luminescence Properties by Doping Eu/Tb. <i>Inorganic Chemistry</i> , 2016 , 55, 11316-11322 | 5.1 | 16 |
| 151 | Progress in discovery and structural design of color conversion phosphors for LEDs. <i>Progress in Materials Science</i> , 2016 , 84, 59-117 | 42.2 | 700 |
| 150 | Microwave solid state synthesis and luminescence properties of green-emitting Gd ₂ O ₂ S:Tb ³⁺ phosphor. <i>Optical Materials</i> , 2015 , 42, 11-16 | 3.3 | 31 |
| 149 | Relationship of 5d-level energies of Ce ³⁺ with the structure and composition of nitride hosts. <i>Journal of Luminescence</i> , 2015 , 166, 106-110 | 3.8 | 37 |
| 148 | Synthesis, photoluminescence properties and energy transfer studies of color-adjustable CaSrSiO ₄ :Ce ³⁺ ,Li ⁺ ,Mn ²⁺ phosphors. <i>Journal of Luminescence</i> , 2015 , 168, 92-97 | 3.8 | 5 |
| 147 | Crystal structure refinement and luminescence properties of blue-green-emitting CaSrAl ₂ SiO ₇ :Ce ³⁺ ,Li ⁺ ,Eu ²⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8322-8328 | 7.1 | 25 |
| 146 | Structure, Crystallographic Sites, and Tunable Luminescence Properties of Eu(2+) and Ce(3+)/Li(+)-Activated Ca _{1.65} Sr _{0.35} SiO ₄ Phosphors. <i>Inorganic Chemistry</i> , 2015 , 54, 7684-91 | 5.1 | 80 |
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