

Quanlin Liu

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avg, IF

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L-index

#	Paper	IF	Citations
266	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
265	Recent developments in the new inorganic solid-state LED phosphors. <i>Dalton Transactions</i> , 2016 , 45, 11214-32	4.3	391
264	Next-Generation Narrow-Band Green-Emitting RbLi(Li SiO) ₂ :Eu Phosphor for Backlight Display Application. <i>Advanced Materials</i> , 2018 , 30, e1802489	24	312
263	Eu Site Preferences in the Mixed Cation KBaCa(PO) ₃ and Thermally Stable Luminescence. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9730-9736	16.4	301
262	Laser-Ablation Growth and Optical Properties of Wide and Long Single-Crystal SnO ₂ Ribbons. <i>Advanced Functional Materials</i> , 2003 , 13, 493-496	15.6	288
261	Chemical Unit Cosubstitution and Tuning of Photoluminescence in the Ca ₂ (Al _{1-x} Mg _x)(Al _{1-x} Si _{1+x})O ₇ :Eu ²⁺ Phosphor. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12494-7	16.4	271
260	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
259	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
258	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
257	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
256	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
255	Design Optimization of Lead-Free Perovskite Cs ₂ AgInCl ₆ :Bi Nanocrystals with 11.4% Photoluminescence Quantum Yield. <i>Chemistry of Materials</i> , 2019 , 31, 3333-3339	9.6	134
254	Encapsulation of CH ₃ NHPbBr 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
253	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
252	Recent advances in solid-state LED phosphors with thermally stable luminescence. <i>Journal of Rare Earths</i> , 2019 , 37, 565-572	3.7	111
251	Learning from a Mineral Structure toward an Ultra-Narrow-Band Blue-Emitting Silicate Phosphor RbNa(Li SiO) ₂ :Eu. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11728-11731	16.4	111
250	Blue-shift of Eu ²⁺ emission in (Ba,Sr) _{1-x} (PO) ₃ Eu ²⁺ eulytite solid-solution phosphors resulting from release of neighbouring-cation-induced stress. <i>Dalton Transactions</i> , 2014 , 43, 16800-4	4.3	111

249	Luminescent perovskites: recent advances in theory and experiments. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2969-3011	6.8	109
248	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
247	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
246	Structural Confinement toward Giant Enhancement of Red Emission in Mn ²⁺ -Based Phosphors. <i>Advanced Functional Materials</i> , 2018 , 28, 1804150	15.6	98
245	Probing Eu ²⁺ Luminescence from Different Crystallographic Sites in Ca ₁₀ M(PO ₄) ₇ :Eu ²⁺ (M = Li, Na, and K) with $\bar{C}2/m$ -Type Structure. <i>Chemistry of Materials</i> , 2017 , 29, 7563-7570	9.6	97
244	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
243	Increased Eu ²⁺ content and codoping Mn ²⁺ induced tunable full-color emitting phosphor Ba _{1.55} Ca _{0.45} SiO ₄ :Eu ²⁺ ,Mn ²⁺ . <i>Inorganic Chemistry</i> , 2014 , 53, 10386-93	5.1	94
242	Manipulation of Bi ³⁺ /In ³⁺ Transmutation and Mn ²⁺ -Doping Effect on the Structure and Optical Properties of Double Perovskite Cs ₂ NaBi _{1-x} In _x Cl ₆ . <i>Advanced Optical Materials</i> , 2019 , 7, 1801435	8.1	92
241	Gallium nitride nanotubes by the conversion of gallium oxide nanotubes. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3493-7	16.4	83
240	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
239	Lead-Free Perovskite Derivative Cs ₂ SnCl ₆ Br _x Single Crystals for Narrowband Photodetectors. <i>Advanced Optical Materials</i> , 2019 , 7, 1900139	8.1	78
238	Double perovskite Cs ₂ AgInCl ₆ :Cr ³⁺ : broadband and near-infrared luminescent materials. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 3621-3628	6.8	78
237	Discovery of New Narrow-Band Phosphors with the UC ₄ -Related Type Structure by Alkali Cation Effect. <i>Advanced Optical Materials</i> , 2019 , 7, 1801631	8.1	78
236	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
235	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
234	Crystal Structure and Photoluminescence Evolution of La ₅ (Si _{2-x} B _{1-x})(O _{13-x} N _x):Ce ³⁺ Solid Solution Phosphors. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 9488-9495	3.8	74
233	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
232	Synthesis and photoluminescence of Eu-doped ZnO microrods prepared by hydrothermal method. <i>Optical Materials</i> , 2009 , 31, 1502-1505	3.3	73

231	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
230	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
229	Crystal structure and magnetic properties of SmCo _{5.85} Si _{0.90} compound. <i>Applied Physics Letters</i> , 2004 , 84, 3094-3096	3.4	70
228	Synthesis, Crystal Structure, and Enhanced Luminescence of Garnet-Type Ca ₃ Ga ₂ Ge ₃ O ₁₂ :Cr ³⁺ by Codoping Bi ³⁺ . <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1870-1876	3.8	69
227	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
226	Blue emission and Raman scattering spectrum from AlN nanocrystalline powders. <i>Journal of Crystal Growth</i> , 2000 , 213, 198-202	1.6	66
225	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
224	Effects of the doping element on crystal structure and magnetic properties of Sm(Co,M) ₇ compounds (M=Si, Cu, Ti, Zr, and Hf). <i>Intermetallics</i> , 2005 , 13, 710-716	3.5	65
223	Highly efficient near-infrared phosphor LaMgGa ₁₁ O ₁₉ :Cr ³⁺ . <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1467618	14.73	63
222	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
221	Luminescence properties and energy transfer of Ce ³⁺ /Tb ³⁺ co-doped Ca ₆ Ba(PO ₄) ₄ O phosphor for near-UV pumped light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4197-4204	7.1	58
220	Effect of Al/Si substitution on the structure and luminescence properties of CaSrSiO ₄ :Ce ³⁺ phosphors: analysis based on the polyhedra distortion. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4616-4622	7.1	58
219	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
218	Structure and luminescence properties of Eu ²⁺ doped Lu ₂ Sr ₂ Si _x O ₄ phosphors evolved from chemical unit cosubstitution. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1336-1344	7.1	58
217	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
216	New boron nitride whiskers: showing strong ultraviolet and visible light luminescence. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 6193-6	3.4	56
215	Synthesis, structure and luminescence properties of new chloro-germanate phosphors Ca ₂ GeO ₄ :Eu ²⁺ . <i>Dalton Transactions</i> , 2014 , 43, 13370-6	4.3	54
214	Evolution of Structure and Photoluminescence by Cation Cosubstitution in Eu(2+)-Doped (Ca(1-x)Li(x))(Al(1-x)Si(1+x))N ₃ Solid Solutions. <i>Inorganic Chemistry</i> , 2016 , 55, 2929-33	5.1	53

213	Synthesis of YAG phosphor particles with excellent morphology by solid state reaction. <i>Journal of Crystal Growth</i> , 2013 , 365, 24-28	1.6	53
212	Crystal Structure and Thermal Decomposition Studies of Barium Borophosphate, BaBPO ₅ . <i>Journal of Solid State Chemistry</i> , 1998 , 135, 43-51	3.3	52
211	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
210	Structural phase transitions and photoluminescence properties of Eu(3+) doped Ca(2-x)Ba _x LaNbO ₆ phosphors. <i>Dalton Transactions</i> , 2015 , 44, 18536-43	4.3	49
209	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
208	Crystal structure and magnetic properties of SmCo ₇ ∓Hf _x compounds. <i>Applied Physics Letters</i> , 2004 , 85, 5299-5301	3.4	49
207	A thermodynamically stable nanophase material. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6126-31	16.4	47
206	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
205	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
204	Synthesis and Luminescence Properties of CsPbX@Uio-67 Composites toward Stable Photoluminescence Convertors. <i>Inorganic Chemistry</i> , 2019 , 58, 1690-1696	5.1	45
203	Synthesis, structure and luminescence of LaSi ₃ N ₅ :Ce ³⁺ phosphor. <i>Journal of Luminescence</i> , 2009 , 129, 165-168	3.8	44
202	Near-infrared luminescence and color tunable chromophores based on Cr(3+)-doped mullite-type Bi ₂ (Ga,Al) ₄ O ₉ solid solutions. <i>Inorganic Chemistry</i> , 2015 , 54, 1876-82	5.1	43
201	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
200	Optical spectra of Ln ³⁺ (Nd ³⁺ , Sm ³⁺ , Dy ³⁺ , Ho ³⁺ , Er ³⁺)-doped Y ₃ GaO ₆ . <i>Journal of Luminescence</i> , 2005 , 111, 61-68	3.8	41
199	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
198	Engineering oxygen vacancies towards self-activated BaLuAl(x)Zn(4-x)O(7-(1-x)/2) photoluminescent materials: an experimental and theoretical analysis. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 31188-94	3.6	36
197	An investigation of Eu ²⁺ -doped CaAlSiN ₃ fabricated by an alloy-nitridation method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 1596-1604	3.1	36
196	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

195	The red persistent luminescence of (Sr,Ca)AlSiN ₃ :Eu ²⁺ and mechanism different to SrAl ₂ O ₄ :Eu ²⁺ ,Dy ³⁺ . <i>Journal of Luminescence</i> , 2019 , 208, 313-321	3.8	35
194	Efficient Photocatalytic Hydrogen Evolution via Band Alignment Tailoring: Controllable Transition from Type-I to Type-II. <i>Small</i> , 2017 , 13, 1702163	11	34
193	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
192	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
191	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
190	Effects of Cu on crystallographic and magnetic properties of Sm(Co,Cu) ₇ . <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 5621-5628	1.8	32
189	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
188	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
187	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
186	Structural Phase Transformation and Luminescent Properties of Ca(2-x)Sr _x SiO ₄ :Ce ³⁺ Orthosilicate Phosphors. <i>Inorganic Chemistry</i> , 2015 , 54, 11369-76	5.1	31
185	Synthesis, structure and tunable red emissions of Ca(Al/Si) ₂ N ₂ (N _{1-x} O _x):Eu ²⁺ prepared by alloy-nitridation method. <i>Journal of Luminescence</i> , 2013 , 137, 173-179	3.8	31
184	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
183	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
182	Effects of full-range Eu concentration on Sr _{2-2x} Eu _{2x} Si ₅ 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
181	Structure and magneto-history behavior of DyNi ₂ Mn. <i>Solid State Communications</i> , 2002 , 121, 615-618	1.6	30
180	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
179	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
178	A plasma sputtering decoration route to producing thickness-tunable ZnO/TiO ₂ core/shell nanorod arrays. <i>Nanotechnology</i> , 2009 , 20, 285311	3.4	29

177	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
176	Tolerance factor and phase stability of the garnet structure. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019 , 75, 1353-1358	0.8	28
175	Insights into Ba ₄ Si ₆ O ₁₆ structure and photoluminescence tuning of Ba ₄ Si ₆ O ₁₆ :Ce ³⁺ ,Eu ²⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12477-12483	7.1	28
174	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
173	Relationship of Stokes shift with composition and structure in Ce ³⁺ /Eu ²⁺ -doped inorganic compounds. <i>Journal of Luminescence</i> , 2019 , 212, 250-263	3.8	27
172	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
171	New Insight into Phase Formation of M _x Mg ₂ Al _(4+x) Si _(5-x) O ₁₈ :Eu ²⁺ Solid Solution Phosphors and Its Luminescence Properties. <i>Scientific Reports</i> , 2015 , 5, 12149	4.9	24
170	Effect of growth temperature on morphology, structure and luminescence of Eu-doped GaN thin films. <i>Applied Physics Letters</i> , 2004 , 85, 4890-4892	3.4	24
169	Green emission from c-axis oriented AlN nanorods doped with Tb. <i>Applied Physics Letters</i> , 2003 , 83, 4939-4941	3.4	24
168	Visible emission from N-rich turbostratic boron nitride thin films doped with Eu, Tb, and Tm. <i>Applied Physics Letters</i> , 2002 , 81, 3948-3950	3.4	24
167	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
166	Improved optical photoluminescence by charge compensation and luminescence tuning in Ca ₆ Ba(PO ₄) ₄ O:Ce ³⁺ , Eu ²⁺ phosphors. <i>CrystEngComm</i> , 2015 , 17, 8632-8638	3.3	23
165	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
164	Au plasmonics in a WS ₂ -Au-CuInS ₂ photocatalyst for significantly enhanced hydrogen generation. <i>Applied Physics Letters</i> , 2015 , 107, 223902	3.4	23
163	Photoluminescence properties of Y ₅ Si ₃ O ₁₂ N:Ce ³⁺ blue-emitting phosphors for white LED. <i>Journal of Alloys and Compounds</i> , 2012 , 521, 77-82	5.7	23
162	Crystal structure and near-ultraviolet photoluminescence properties of Ba ₉ Sc ₂ Si ₆ O ₂₄ :Ce ³⁺ ,Na ⁺ . <i>Journal of Luminescence</i> , 2013 , 137, 168-172	3.8	22
161	Synthesis, up-conversion luminescence and thermometry of Yb/Er co-doped LaMoO phosphors. <i>Dalton Transactions</i> , 2016 , 45, 16240-16245	4.3	22
160	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

159	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
158	Effects of replacement of AlO ⁺ for SiN ⁺ on the structure and optical properties of Sr ₂ Si ₅ N ₈ :Eu ²⁺ -phosphors. <i>Journal of Luminescence</i> , 2014 , 147, 173-178	3.8	21
157	Crystal structure and photoluminescence properties of (Y _{1-x} Ce _x) ₄ Si ₂ O ₇ N ₂ . <i>Optical Materials</i> , 2010 , 33, 91-98	3.3	21
156	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
155	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
154	Effect of Gd/La substitution on the phase structures and luminescence properties of (La,Gd) ₂ AlO ₅ :Ce ³⁺ solid solution phosphors. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11629-11634	7.1	20
153	Stability of divalent/trivalent oxidation state of europium in some Sr-based inorganic compounds. <i>Journal of Luminescence</i> , 2012 , 132, 1768-1773	3.8	20
152	Physical properties and growth kinetics of co-sputtered indium-zinc oxide films. <i>Semiconductor Science and Technology</i> , 2009 , 24, 095019	1.8	20
151	Effects of hydrogen annealing on the structural, optical and electrical properties of indium-doped zinc oxide films. <i>Journal of Materials Science: Materials in Electronics</i> , 2010 , 21, 1221-1227	2.1	20
150	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
149	Unraveling the mechanochemical synthesis and luminescence in MnII-based two-dimensional hybrid perovskite (C ₄ H ₉ NH ₃) ₂ PbCl ₄ . <i>Science China Materials</i> , 2019 , 62, 1013-1022	7.1	19
148	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
147	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
146	The crystal structure and luminescence of phosphor Ba ₉ Sc ₂ Si ₆ O ₂₄ :Eu ²⁺ ,Mn ²⁺ for white light emitting diode. <i>Materials Research Bulletin</i> , 2015 , 64, 279-282	5.1	19
145	Crystal structure and photoluminescence of (Ba _{1-x} Sr _x Eu _x) ₉ Sc ₂ Si ₆ O ₂₄ . <i>Journal of Luminescence</i> , 2012 , 132, 2541-2545	3.8	19
144	Crystal structure and photoluminescence of (La _{1-x} Ce _x) ₅ Si ₃ O ₁₂ N. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2099-2104	5.7	19
143	Novel rare-earth borosilicide RE _{1-x} B ₁₂ Si _{3.3} (RE=Y, Gd, Lu) (0 ≤ x ≤ 0.5, 0.3): synthesis, crystal growth, structure analysis and properties. <i>Journal of Solid State Chemistry</i> , 2003 , 170, 75-81	3.3	19
142	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

141	Enhanced Yellow Persistent Luminescence in SrSiO:Eu through Ge Incorporation. <i>Inorganic Chemistry</i> , 2019 , 58, 8694-8701	5.1	18
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137	Synthesis, structure and luminescence of SrLiAl ₃ N ₄ :Ce ³⁺ phosphor. <i>Journal of Luminescence</i> , 2018 , 199, 271-277	3.8	17
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