

# Zhiguo Xia

## 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.

370  
papers

19,784  
citations

74  
h-index

119  
g-index

389  
ext. papers

24,332  
ext. citations

6.9  
avg, IF

7.87  
L-index

#	Paper	IF	Citations
370	Structural Rigidity Control toward Cr <sup>3+</sup> -Based Broadband Near-Infrared Luminescence with Enhanced Thermal Stability. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 1376-1384	9.6	14
369	Broadband emission of Lu <sub>2</sub> SrAl <sub>4</sub> SiO <sub>12</sub> :Eu <sup>2+</sup> phosphor for full-spectrum lighting. <i>Optical Materials: X</i> , <b>2022</b> , 13, 100138	1.7	0
368	Giant Red-Shifted Emission in (Sr,Ba)Y <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> Phosphor Toward Broadband Near-Infrared Luminescence. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2103927	15.6	22
367	Competitive Site Occupation toward Improved Quantum Efficiency of SrLaScO <sub>4</sub> :Eu Red Phosphors for Warm White LEDs. <i>Advanced Optical Materials</i> , <b>2022</b> , 10, 2102373	8.1	1
366	Seed crystal induced cold sintering toward metal halide transparent ceramic scintillators.. <i>Advanced Materials</i> , <b>2022</b> , e2110420	24	15
365	Near-infrared light-emitting diode utilizing europium-activated calcium oxide phosphor with external quantum efficiency of up to 54.7%. <i>Advanced Materials</i> , <b>2022</b> , e2201887	24	14
364	Colloidal Metal-Halide Perovskite Nanoplatelets: Thickness-Controlled Synthesis, Properties and Application in Light-Emitting Diodes. <i>Advanced Materials</i> , <b>2021</b> , e2107105	24	23
363	Multi-responsive deep-ultraviolet emission in praseodymium-doped phosphors for microbial sterilization. <i>Science China Materials</i> , <b>2021</b> , 1-9	7.1	8
362	Narrow Bandwidth Luminescence in Sr <sub>2</sub> Li(Al,Ga)O <sub>4</sub> :Eu <sup>2+</sup> by Selective Site Occupancy Engineering for High Definition Displays. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2100392	8.3	3
361	Self-assembled ultrafine CsPbBr <sub>3</sub> perovskite nanowires for polarized light detection. <i>Science China Materials</i> , <b>2021</b> , 64, 2261-2271	7.1	4
360	Glass crystallization making red phosphor for high-power warm white lighting. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 56	16.7	40
359	Luminescent Zero-Dimensional Hybrid Lead Thiohalide Nanostructures for High Quantum Yield and Broadband Excitation. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 3654-3663	5.6	0
358	Li/Na substitution and Yb co-doping enabling tunable near-infrared emission in LiInSbO:Cr phosphors for light-emitting diodes. <i>IScience</i> , <b>2021</b> , 24, 102250	6.1	23
357	Rapid Synthesis of Red-Emitting Sr <sub>2</sub> Sc <sub>0.5</sub> Ga <sub>1.5</sub> O <sub>5</sub> :Eu <sup>2+</sup> Phosphors and the Tunable Photoluminescence Via Sr/Ba Substitution. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100131	8.1	13
356	Design principles for achieving red emission in Eu <sup>2+</sup> /Eu <sup>3+</sup> doped inorganic solids. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 200903	2.5	4
355	A General Ammonium Salt Assisted Synthesis Strategy for Cr <sup>3+</sup> -Doped Hexafluorides with Highly Efficient Near Infrared Emissions. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103743	15.6	28
354	Defect-Induced Self-Reduction and Anti-Thermal Quenching in NaZn(PO <sub>3</sub> ) <sub>3</sub> :Mn <sup>2+</sup> Red Phosphor. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100870	8.1	15

353	Tailoring of White Luminescence in a NaLi SiO :Eu Phosphor Containing Broad-Band Defect-Induced Charge-Transfer Emission. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101428	24	32
352	Ultra-Broad-Band-Excitable Cu(I)-Based Organometallic Halide with Near-Unity Emission for Light-Emitting Diode Applications. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 4382-4389	9.6	27
351	Fabrication of a Wide Color Gamut pc-WLED Surpassing 107% NTSC Based on a Robust Luminescent Uranyl Phosphate. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 6329-6337	9.6	2
350	Photoluminescence Behavior of Zero-Dimensional Manganese Halide Tetrahedra Embedded in Conjugated Organic Matrices. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 7394-7399	6.4	9
349	Pressure-Engineered Photoluminescence Tuning in Zero-Dimensional Lead Bromide Trimer Clusters. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2615-2619	3.6	8
348	Lead-Free Double Perovskite Cs <sub>2</sub> AgInCl <sub>6</sub> . <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11696-11707	3.6	8
347	Pressure-Engineered Photoluminescence Tuning in Zero-Dimensional Lead Bromide Trimer Clusters. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2583-2587	16.4	32
346	Lead-Free Double Perovskite Cs AgInCl. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11592-11603	16.4	50
345	Mn 2+ -Doped Metal Halide Perovskites: Structure, Photoluminescence, and Application. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2000334	8.3	48
344	Design optimization of CsPbBr <sub>3</sub> nanocrystals into zeolite Beta composites as ultra-stable green emitters for backlight display applications. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 12118-12123	7.1	3
343	Manipulation of Cl/Br transmutation in zero-dimensional Mn <sup>2+</sup> -based metal halides toward tunable photoluminescence and thermal quenching behaviors. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 2047-2053	7.1	13
342	Lattice Doping of Lanthanide Ions in Cs <sub>2</sub> AgInCl <sub>6</sub> Nanocrystals Enabling Tunable Photoluminescence. <i>Energy Material Advances</i> , <b>2021</b> , 2021, 1-9	1	4
341	Role of Metal-Chloride Anions in Photoluminescence Regulations for Hybrid Metal Halides. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 1918-1925	6.4	9
340	Learning from Mineral Structures toward New Luminescence Materials for Light-Emitting Diode Applications. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 1083-1098	9.6	43
339	Eu <sup>2+</sup> Stabilized at Octahedrally Coordinated Ln <sup>3+</sup> Site Enabling Red Emission in Sr <sub>3</sub> LnAl <sub>2</sub> O <sub>7.5</sub> (Ln = Y or Lu) Phosphors. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100077	8.1	12
338	Photoluminescence of Singlet/Triplet Self-Trapped Excitons in Sb <sup>3+</sup> -Based Metal Halides. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2002213	8.1	47
337	Sb <sup>3+</sup> -Doping in Cesium Zinc Halides Single Crystals Enabling High-Efficiency Near-Infrared Emission. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2105316	15.6	53
336	Ultrafast Study of Exciton Transfer in Sb(III)-Doped Two-Dimensional [NH(CH)NH]CdBr Perovskite. <i>ACS Nano</i> , <b>2021</b> , 15, 15354-15361	16.7	4

- 335 Photoluminescence tuning in Ba<sub>3</sub>ScB<sub>3</sub>O<sub>9</sub>:Eu<sup>2+</sup> phosphor by crystal-site engineering. *Physics Open*, **2021**, 8, 100077 1.6 2
- 334 Recent progress of zero-dimensional luminescent metal halides. *Chemical Society Reviews*, **2021**, 50, 26268-2662127
- 333 Site engineering strategy toward enhanced luminescence thermostability of a Cr<sup>3+</sup>-doped broadband NIR phosphor and its application. *Materials Chemistry Frontiers*, **2021**, 5, 3841-3849 7.8 24
- 332 Cr<sup>3+</sup>-Doped Sc-Based Fluoride Enabling Highly Efficient Near Infrared Luminescence: A Case Study of K<sub>2</sub>NaScF<sub>6</sub>:Cr<sup>3+</sup>. *Laser and Photonics Reviews*, **2021**, 15, 2000410 8.3 52
- 331 Unveiling White Light Emission of a One-Dimensional Cu(I)-Based Organometallic Halide toward Single-Phase Light-Emitting Diode Applications.. *Journal of Physical Chemistry Letters*, **2021**, 12, 12345-12351 6.4 0
- 330 A Guanidinium-Based Mn<sup>4+</sup>-Doped Red-Emitting Hybrid Phosphor with High Stability. *ACS Applied Electronic Materials*, **2020**, 2, 4134-4145 4 12
- 329 Two-site Cr<sup>3+</sup> occupation in the MgTa<sub>2</sub>O<sub>6</sub>:Cr<sup>3+</sup> phosphor toward broad-band near-infrared emission for vessel visualization. *Journal of Materials Chemistry C*, **2020**, 8, 9322-9328 7.1 62
- 328 Sb<sup>3+</sup> Dopant and Halogen Substitution Triggered Highly Efficient and Tunable Emission in Lead-Free Metal Halide Single Crystals. *Chemistry of Materials*, **2020**, 32, 5327-5334 9.6 96
- 327 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. *Journal of Solid State Chemistry*, **2020**, 288, 121408 3.3 4
- 326 Data-Driven Photoluminescence Tuning in Eu-Doped Phosphors. *Journal of Physical Chemistry Letters*, **2020**, 11, 5680-5685 6.4 26
- 325 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. *Inorganic Chemistry Frontiers*, **2020**, 7, 2685-2691 6.8 11
- 324 Facile synthesis of accordion-like Y<sub>2</sub>O<sub>3</sub>:Er<sup>3+</sup> nanothermometers for ratiometric temperature sensing applications. *Journal of Luminescence*, **2020**, 223, 117207 3.8 7
- 323 Unveiling Mn Dopant States in Two-Dimensional Halide Perovskite toward Highly Efficient Photoluminescence. *Journal of Physical Chemistry Letters*, **2020**, 11, 2510-2517 6.4 28
- 322 Tunable photoluminescence in Sb<sup>3+</sup>-doped zero-dimensional hybrid metal halides with intrinsic and extrinsic self-trapped excitons. *Journal of Materials Chemistry C*, **2020**, 8, 5058-5063 7.1 23
- 321 Crystal structure and luminescence properties of lead-free metal halides (C<sub>6</sub>H<sub>5</sub>CH<sub>2</sub>NH<sub>3</sub>)<sub>3</sub>MBr<sub>6</sub> (M = Bi and Sb). *Journal of Materials Chemistry C*, **2020**, 8, 7322-7329 7.1 28
- 320 Broad-band emission in metal halide perovskites: Mechanism, materials, and applications. *Materials Science and Engineering Reports*, **2020**, 141, 100548 30.9 117
- 319 Unraveling the Near-Unity Narrow-Band Green Emission in Zero-Dimensional Mn-Based Metal Halides: A Case Study of (CHN)ZnMnBr Solid Solutions. *Journal of Physical Chemistry Letters*, **2020**, 11, 5956-5962 6.4 59
- 318 Enhancing Photoluminescence Quantum Yield in 0D Metal Halides by Introducing Water Molecules. *Advanced Functional Materials*, **2020**, 30, 2002468 15.6 45

317	Morphology controlled synthesis of Ba <sub>4</sub> Bi <sub>3</sub> F <sub>17</sub> :Er <sup>3+</sup> ,Yb <sup>3+</sup> and the dual-functional temperature sensing and optical heating applications. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 844, 156116	5.7	16
316	Narrow-band emitters in LED backlights for liquid-crystal displays. <i>Materials Today</i> , <b>2020</b> , 40, 246-265	21.8	53
315	Synthesis, Crystal Structure and Green Luminescence in Zero-Dimensional Tin Halide (CHN)SnBr. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 9962-9968	5.1	37
314	Glass-ceramics with thermally stable blue-red emission for high-power horticultural LED applications. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 3996-4002	7.1	11
313	Optical Functional Units in Zero-Dimensional Metal Halides as a Paradigm of Tunable Photoluminescence and Multicomponent Chromophores. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1902114	8.1	24
312	Lanthanide doping in metal halide perovskite nanocrystals: spectral shifting, quantum cutting and optoelectronic applications. <i>NPG Asia Materials</i> , <b>2020</b> , 12,	10.3	100
311	Three-Dimensional Laser-Assisted Patterning of Blue-Emissive Metal Halide Perovskite Nanocrystals inside a Glass with Switchable Photoluminescence. <i>ACS Nano</i> , <b>2020</b> , 14, 3150-3158	16.7	57
310	LED Phosphors: Designing High-Performance LED Phosphors by Controlling the Phase Stability via a Heterovalent Substitution Strategy (Advanced Optical Materials 2/2020). <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2070008	8.1	3
309	Lead-Free Tin(IV)-Based Organic-Inorganic Metal Halide Hybrids with Excellent Stability and Blue-Broadband Emission. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 1808-1813	6.4	41
308	Temperature-driven n-p conduction type switching without structural transition in a Cu-rich chalcogenide, NaCuS. <i>Chemical Communications</i> , <b>2020</b> , 56, 4882-4885	5.8	3
307	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. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13038-13043	3.6	4
306	Dual-Shelled RbLi(Li Si O ) :Eu @Al O @ODTMS Phosphor as a Stable Green Emitter for High-Power LED Backlights. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 12938-12943	16.4	21
305	Ferri-chiral compounds with potentially switchable Dresselhaus spin splitting. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
304	Near-infrared photoluminescence and phosphorescence properties of Cr <sup>3+</sup> -Doped garnet-type Y <sub>3</sub> Sc <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> . <i>Journal of Luminescence</i> , <b>2020</b> , 225, 117392	3.8	4
303	Perovskite Multiple Quantum Wells on Layered Materials toward Narrow-Band Green Emission for Backlight Display Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 27386-27393	9.5	7
302	Photon upconversion afterglow materials toward visualized information coding/decoding. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 3678-3687	7.1	10
301	Reversible 3D laser printing of perovskite quantum dots inside a transparent medium. <i>Nature Photonics</i> , <b>2020</b> , 14, 82-88	33.9	168
300	Dual-Mode Optical Thermometry Design in LuAlO <sub>3</sub> :Ce/Mn Phosphor. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 1383-1392	33.9	64

- 299 Luminescence and energy transfer of color-tunable Lu<sub>2</sub>MgAl<sub>4</sub>SiO<sub>12</sub>:Eu<sup>2+</sup>,Ce<sup>3+</sup>,Mn<sup>2+</sup> phosphors. *Journal of Rare Earths*, **2020**, 38, 506-513 3.7 19
- 298 Homo- and Heterovalent Doping-Mediated Self-Trapped Exciton Emission and Energy Transfer in Mn-Doped CsNaAgBiCl Double Perovskites. *Journal of Physical Chemistry Letters*, **2020**, 11, 340-348 6.4 56
- 297 Designing High-Performance LED Phosphors by Controlling the Phase Stability via a Heterovalent Substitution Strategy. *Advanced Optical Materials*, **2020**, 8, 1901608 8.1 26
- 296 Multiple Substitution Strategies toward Tunable Luminescence in LuMgAlSiO:Eu Phosphors. *Inorganic Chemistry*, **2020**, 59, 1405-1413 5.1 33
- 295 ns<sup>2</sup> Electron (Bi<sup>3+</sup> and Sb<sup>3+</sup>) Doping in Lead-Free Metal Halide Perovskite Derivatives. *Chemistry of Materials*, **2020**, 32, 10255-10267 9.6 64
- 294 The postsynthetic anion exchange of CsPbI<sub>3</sub> nanocrystals for photoluminescence tuning and enhanced quantum efficiency. *Journal of Materials Chemistry C*, **2020**, 8, 12302-12307 7.1 12
- 293 A novel near-infrared LiGaW<sub>2</sub>O<sub>8</sub>:Yb<sup>3+</sup>, Cr<sup>3+</sup> up-conversion phosphor with enhanced luminescence intensity based on Ho<sup>3+</sup>/Er<sup>3+</sup> bridges. *Journal of Materials Chemistry C*, **2020**, 8, 12189-12195 7.1 14
- 292 In situ synthesis of high-efficiency CsPbBr<sub>3</sub>/CsPb<sub>2</sub>Br<sub>5</sub> composite nanocrystals in aqueous solution of microemulsion. *Green Chemistry*, **2020**, 22, 5257-5261 10 9
- 291 Structural Engineering of Eu<sup>2+</sup>-Doped Silicates Phosphors for LED Applications. *Accounts of Materials Research*, **2020**, 1, 137-145 7.5 59
- 290 Three Birds with One Stone: K<sub>2</sub>SiF<sub>6</sub>:Mn<sup>4+</sup> Single Crystal Phosphors for High-Power and Laser-Driven Lighting. *Advanced Optical Materials*, **2020**, 8, 2000976 8.1 26
- 289 Incorporating Rare-Earth Terbium(III) Ions into Cs<sub>2</sub>AgInCl<sub>6</sub>:Bi Nanocrystals toward Tunable Photoluminescence. *Angewandte Chemie*, **2020**, 132, 11731-11737 3.6 5
- 288 Incorporating Rare-Earth Terbium(III) Ions into Cs AgInCl :Bi Nanocrystals toward Tunable Photoluminescence. *Angewandte Chemie - International Edition*, **2020**, 59, 11634-11640 16.4 92
- 287 Halogen Substitution in Zero-Dimensional Mixed Metal Halides toward Photoluminescence Modulation and Enhanced Quantum Yield. *Advanced Optical Materials*, **2020**, 8, 2000418 8.1 13
- 286 Hybrid Metal Halides with Multiple Photoluminescence Centers. *Angewandte Chemie*, **2019**, 131, 18843-18848 3.8 21
- 285 Lead-Free Broadband Orange-Emitting Zero-Dimensional Hybrid (PMA)InBr with Direct Band Gap. *Inorganic Chemistry*, **2019**, 58, 15602-15609 5.1 42
- 284 Lead-Free Hybrid Metal Halides with a Green-Emissive [MnBr] Unit as a Selective Turn-On Fluorescent Sensor for Acetone. *Inorganic Chemistry*, **2019**, 58, 13464-13470 5.1 56
- 283 Hierarchical Accordion-like Lanthanide-Based Metal-Organic Frameworks: Solvent-Free Syntheses and Ratiometric Luminescence Temperature-Sensing Properties. *Crystal Growth and Design*, **2019**, 19, 6586-6591 3.5 28
- 282 Long-lived Photon Upconversion Phosphorescence in RbCaF:Mn,Yb and the Dynamic Color Separation Effect. *IScience*, **2019**, 19, 597-606 6.1 15

281	Recent advances in solid-state LED phosphors with thermally stable luminescence. <i>Journal of Rare Earths</i> , <b>2019</b> , 37, 565-572	3.7	111
280	B-Site doped lead halide perovskites: synthesis, band engineering, photophysics, and light emission applications. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 2781-2808	7.1	93
279	Structure and photoluminescence properties of Ca <sub>0.99</sub> Sr <sub>x</sub> AlSiN <sub>3</sub> :0.01Ce <sup>3+</sup> solid solutions. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 4648-4658	3.8	13
278	Polyhedron Transformation toward Stable Narrow-Band Green Phosphors for Wide-Color-Gamut Liquid Crystal Display. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901988	15.6	101
277	(INVITED) A review on the Eu <sup>2+</sup> doped $\text{Ca}_3(\text{PO}_4)_2$ -type phosphors and the sites occupancy for photoluminescence tuning. <i>Optical Materials: X</i> , <b>2019</b> , 1, 100019	1.7	7
276	Optically Modulated Ultra-Broad-Band Warm White Emission in Mn <sup>2+</sup> -Doped (C <sub>6</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub> )PbBr <sub>4</sub> Hybrid Metal Halide Phosphor. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5788-5795	9.6	87
275	Non-equivalent Mn <sup>4+</sup> doping into A <sub>2</sub> NaScF <sub>6</sub> (A = K, Rb, Cs) hosts toward short fluorescence lifetime for backlight display application. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 9203-9210	7.1	32
274	Site-Selective Occupancy of Eu <sup>2+</sup> Toward Blue-Light-Excited Red Emission in a Rb <sub>3</sub> YSi <sub>2</sub> O <sub>7</sub> :Eu Phosphor. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11645	3.6	8
273	Site-Selective Occupancy of Eu Toward Blue-Light-Excited Red Emission in a Rb YSi <sub>2</sub> O <sub>7</sub> :Eu Phosphor. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11521-11526	16.4	80
272	Enhanced Yellow Persistent Luminescence in SrSiO:Eu through Ge Incorporation. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 8694-8701	5.1	18
271	A thermally stable narrow-band green-emitting phosphor MgAl <sub>2</sub> O <sub>4</sub> :Mn <sup>2+</sup> for wide color gamut backlight display application. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8192-8198	7.1	64
270	Enhanced up-conversion luminescence and optical temperature sensing in graphitic C <sub>3</sub> N <sub>4</sub> quantum dots grafted with BaWO <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> phosphors. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6112-6119	7.1	51
269	Fabrication of a dual-emitting dye-encapsulated metal-organic framework as a stable fluorescent sensor for metal ion detection. <i>Dalton Transactions</i> , <b>2019</b> , 48, 6794-6799	4.3	33
268	Lead-Free Perovskite Derivative Cs <sub>2</sub> SnCl <sub>6</sub> Br <sub>x</sub> Single Crystals for Narrowband Photodetectors. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900139	8.1	78
267	Unraveling the mechanochemical synthesis and luminescence in MnII-based two-dimensional hybrid perovskite (C <sub>4</sub> H <sub>9</sub> NH <sub>3</sub> ) <sub>2</sub> PbCl <sub>4</sub> . <i>Science China Materials</i> , <b>2019</b> , 62, 1013-1022	7.1	19
266	Broad-Band Emission in a Zero-Dimensional Hybrid Organic [PbBr] Trimer with Intrinsic Vacancies. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1337-1341	6.4	61
265	Tuning of the Compositions and Multiple Activator Sites toward Single-Phased White Emission in (CaSr) <sub>2</sub> MgK(PO) <sub>4</sub> :Eu Phosphors for Solid-State Lighting. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5006-5012	5.1	60
264	Surface Passivation toward Highly Stable Mn <sup>4+</sup> -Activated Red-Emitting Fluoride Phosphors and Enhanced Photostability for White LEDs. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1802006	4.6	46

263	Design Optimization of Lead-Free Perovskite Cs <sub>2</sub> AgInCl <sub>6</sub> :Bi Nanocrystals with 11.4% Photoluminescence Quantum Yield. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3333-3339	9.6	134
262	Emerging ultra-narrow-band cyan-emitting phosphor for white LEDs with enhanced color rendition. <i>Light: Science and Applications</i> , <b>2019</b> , 8, 38	16.7	255
261	Non-stoichiometric defect-controlled reduction toward mixed-valence Mn-doped hexaaluminates and their optical applications. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5716-5723	7.1	18
260	Fabrication of Large-Area Bimodal Sensors by All-Inkjet-Printing. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800703	6.8	26
259	Manipulation of Bi <sup>3+</sup> /In <sup>3+</sup> Transmutation and Mn <sup>2+</sup> -Doping Effect on the Structure and Optical Properties of Double Perovskite Cs <sub>2</sub> NaBi <sub>1-x</sub> In <sub>x</sub> Cl <sub>6</sub> . <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801435	8.1	92
258	Effects of full-range Eu concentration on Sr <sub>2-2x</sub> Eu <sub>2x</sub> Si <sub>5</sub> N <sub>8</sub> phosphors: A deep-red emission and luminescent thermal quenching. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 770, 1069-1077	5.7	30
257	Engineering of K <sub>3</sub> YSi <sub>2</sub> O <sub>7</sub> To Tune Photoluminescence with Selected Activators and Site Occupancy. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 7770-7778	9.6	50
256	Mn <sup>2+</sup> -Based narrow-band green-emitting Cs <sub>3</sub> MnBr <sub>5</sub> phosphor and the performance optimization by Zn <sup>2+</sup> alloying. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 11220-11226	7.1	37
255	Role of Halogen Atoms on High-Efficiency Mn Emission in Two-Dimensional Hybrid Perovskites. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 4706-4712	6.4	24
254	Hybrid Metal Halides with Multiple Photoluminescence Centers. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18670-18675	16.4	93
253	Single-Component White-Light Emission in 2D Hybrid Perovskites with Hybridized Halogen Atoms. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901335	8.1	45
252	Introducing Uranium as the Activator toward Highly Stable Narrow-Band Green Emitters with Near-Unity Quantum Efficiency. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9684-9690	9.6	14
251	Heavy Mn <sup>2+</sup> Doped MgAl <sub>2</sub> O <sub>4</sub> Phosphor for High-Efficient Near-Infrared Light-Emitting Diode and the Night-Vision Application. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901105	8.1	81
250	Non-stoichiometry in Ca <sub>2</sub> Al <sub>2</sub> SiO <sub>7</sub> enabling mixed-valent europium toward ratiometric temperature sensing. <i>Science China Materials</i> , <b>2019</b> , 62, 1807-1814	7.1	19
249	Divalent europium-doped near-infrared-emitting phosphor for light-emitting diodes. <i>Nature Communications</i> , <b>2019</b> , 10, 5267	17.4	182
248	Sb Doping-Induced Triplet Self-Trapped Excitons Emission in Lead-Free CsSnCl Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 7439-7444	6.4	92
247	Aliovalent substitution toward reinforced structural rigidity in Ce <sup>3+</sup> -doped garnet phosphors featuring improved performance. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 14594-14600	7.1	22
246	Discovery of New Narrow-Band Phosphors with the UC <sub>4</sub> C <sub>4</sub> -Related Type Structure by Alkali Cation Effect. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801631	8.1	78



245	Synthesis and Luminescence Properties of CsPbX@UiO-67 Composites toward Stable Photoluminescence Convertors. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 1690-1696	5.1	45
244	Li substituent tuning of LED phosphors with enhanced efficiency, tunable photoluminescence, and improved thermal stability. <i>Science Advances</i> , <b>2019</b> , 5, eaav0363	14.3	101
243	A carbon dot-encapsulated UiO-type metal organic framework as a multifunctional fluorescent sensor for temperature, metal ion and pH detection. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4396-4399	7.1	66
242	The Inductive Effect in Nitridosilicates and Oxysilicates and Its Effects on 5d Energy Levels of Ce. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 2320-2331	5.1	7
241	Insight into the Relationship between Crystal Structure and Crystal-Field Splitting of Ce <sup>3+</sup> Doped Garnet Compounds. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 3567-3574	3.8	30
240	Near UV-pumped yellow-emitting Sr <sub>9</sub> MgLi(PO <sub>4</sub> ) <sub>7</sub> :Eu <sup>2+</sup> phosphor for white-light LEDs. <i>Science China Materials</i> , <b>2018</b> , 61, 985-992	7.1	59
239	Crystal structures, phase transitions and thermal expansion properties of NaZr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> BrZr <sub>4</sub> (PO <sub>4</sub> ) <sub>6</sub> solid solutions. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 619-625	6.8	6
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237	Control of Luminescence in Eu-Doped Orthosilicate-Orthophosphate Phosphors by Chainlike Polyhedra and Electronic Structures. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 609-616	5.1	21
236	Si-Doping Mediated Phase Control from $\beta$ - to $\alpha$ -Form Li <sub>3</sub> VO <sub>4</sub> toward Smoothing Li Insertion/Extraction. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701621	21.8	25
235	Tuning of photoluminescence by co-doping Eu <sup>2+</sup> , Eu <sup>3+</sup> and Tb <sup>3+</sup> in Ca <sub>9</sub> NaZn(PO <sub>4</sub> ) <sub>7</sub> phosphor. <i>Dyes and Pigments</i> , <b>2018</b> , 150, 275-283	4.6	22
234	CsCu <sub>5</sub> Se <sub>3</sub> : A Copper-Rich Ternary Chalcogenide Semiconductor with Nearly Direct Band Gap for Photovoltaic Application. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1121-1126	9.6	23
233	Two-Step Synthesis and Surface Modification of CaZnOS:Mn Phosphors and the Fabrication of a Luminescent Poly(dimethylsiloxane) Film. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 1670-1675	5.1	12
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231	Consequence of Optimal Bonding on Disordered Structure and Improved Luminescence Properties in T-Phase (Ba,Ca)SiO:Eu Phosphor. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 4146-4154	5.1	33
230	5d-level centroid shift and coordination number of Ce <sup>3+</sup> in nitride compounds. <i>Journal of Luminescence</i> , <b>2018</b> , 200, 35-42	3.8	33
229	Structural construction and photoluminescence tuning via energy transfer in apatite-type solid-state phosphors. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4371-4383	7.1	56
228	High Br Content CsPb(Cl Br) Perovskite Nanocrystals with Strong Mn Emission through Diverse Cation/Anion Exchange Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 11739-11746	9.5	74

227	Synthesis, structure and luminescence of SrLiAl <sub>3</sub> N <sub>4</sub> :Ce <sup>3+</sup> phosphor. <i>Journal of Luminescence</i> , <b>2018</b> , 199, 271-277	3.8	17
226	Co-substitution in Ca <sub>1-x</sub> YxAl <sub>12</sub> MgxO <sub>19</sub> phosphors: local structure evolution, photoluminescence tuning and application for plant growth LEDs. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4217-4224	7.1	64
225	Crystal field splitting of 4f <sup>n</sup> 5d-levels of Ce <sup>3+</sup> and Eu <sup>2+</sup> in nitride compounds. <i>Journal of Luminescence</i> , <b>2018</b> , 194, 461-466	3.8	58
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219	Synthesis, Crystal Structure, and Optical Gap of Two-Dimensional Halide Solid Solutions CsPb(ClBr). <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 9531-9537	5.1	9
218	Phosphors for white LEDs <b>2018</b> , 123-208		4
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216	Structural Confinement toward Giant Enhancement of Red Emission in Mn <sup>2+</sup> -Based Phosphors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804150	15.6	98
215	Next-Generation Narrow-Band Green-Emitting RbLi(Li SiO ) :Eu Phosphor for Backlight Display Application. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802489	24	312
214	Pure red upconversion luminescence and optical thermometry of Er <sup>3+</sup> doped sensitizer-rich SrYbInO <sub>4</sub> phosphors. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7361-7366	7.1	49
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207	Luminescence property and energy transfer behavior of apatite-type Ca <sub>4</sub> La <sub>6</sub> (SiO <sub>4</sub> ) <sub>4</sub> (PO <sub>4</sub> ) <sub>2</sub> O <sub>2</sub> :Tb <sup>3+</sup> , Eu <sup>3+</sup> phosphor. <i>Materials Research Bulletin</i> , <b>2018</b> , 108, 101-105	5.1	30
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200	Insight into the preparation and luminescence properties of yellow-green-emitting [(Sr,Ba) <sub>3</sub> AlO <sub>4</sub> F <sub>3</sub> SiO <sub>5</sub> ]:Ce <sup>3+</sup> solid solution phosphors. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 3176-3182	7.1	20
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152	Crystal structure refinement and luminescence properties of blue-green-emitting CaSrAl <sub>2</sub> SiO <sub>7</sub> :Ce <sup>3+</sup> ,Li <sup>+</sup> ,Eu <sup>2+</sup> phosphors. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8322-8328	7.1	25
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144	Chemical Unit Cosubstitution and Tuning of Photoluminescence in the Ca <sub>2</sub> (Al(1-x)Mg(x))(Al(1-x)Si(1+x))O <sub>7</sub> :Eu(2+) Phosphor. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12494-7	16.4	271
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59	Progress in lead-based ferroelectric and antiferroelectric single crystals: composition modification, crystal growth and properties. <i>CrystEngComm</i> , <b>2012</b> , 14, 4547	3.3	53
58	Luminescence properties and energy transfer investigations of Sr <sub>2</sub> B <sub>2</sub> O <sub>5</sub> :Ce <sup>3+</sup> ,Tb <sup>3+</sup> phosphors. <i>Ceramics International</i> , <b>2012</b> , 38, 5341-5345	5.1	33
57	Photoluminescence properties and energy transfer of Ba <sub>2</sub> Lu(BO <sub>3</sub> ) <sub>2</sub> Cl : Eu <sup>2+</sup> /Eu <sup>3+</sup> ,Tb <sup>3+</sup> phosphors. <i>Journal Physics D: Applied Physics</i> , <b>2012</b> , 45, 015302	3	54
56	Synthesis and luminescence properties of a blue-emitting Sr <sub>3.5</sub> Y <sub>6.5</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>1.5</sub> SiO <sub>4</sub> (4.5) :Eu <sup>2+</sup> phosphor. <i>Luminescence</i> , <b>2012</b> , 27, 379-81	2.5	4
55	Luminescence properties and energy transfer in Ba <sub>2</sub> Y(BO <sub>3</sub> ) <sub>2</sub> Cl:Ce <sup>3+</sup> ,Tb <sup>3+</sup> phosphors. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 107, 827-831	1.9	23
54	Near-infrared luminescence and energy transfer studies of LaOBr:Nd <sup>3+</sup> /Yb <sup>3+</sup> . <i>Optics Express</i> , <b>2012</b> , 20 Suppl 5, A722-8	3.3	37
53	Luminescence Properties and Energy Transfer in Sr <sub>3</sub> Gd <sub>1-x</sub> Y <sub>x</sub> (BO <sub>3</sub> ) <sub>3</sub> :xCe <sup>3+</sup> ,yTb <sup>3+</sup> Phosphor. <i>ECS Journal of Solid State Science and Technology</i> , <b>2012</b> , 1, R46-R49	2	9
52	Synthesis, structure, and thermally stable luminescence of Eu(2+)-doped Ba <sub>2</sub> Ln(BO <sub>3</sub> ) <sub>2</sub> Cl (Ln = Y, Gd and Lu) host compounds. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 10134-42	5.1	262
51	Luminescence properties of Ca <sub>0.65</sub> La <sub>0.35</sub> F <sub>2.35</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> with enhanced red emission via upconversion. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 543-546	5.1	18
50	Effect of Pb(Fe <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> modification on dielectric and piezoelectric properties of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> BbZr <sub>0.52</sub> Ti <sub>0.48</sub> O <sub>3</sub> ceramics. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 1333-1339	5.1	19
49	Synthesis and luminescence properties of novel LiSrPO <sub>4</sub> :Dy <sup>3+</sup> phosphor. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 2179-2182	5.1	98
48	MPB design and crystal growth of PMNBTBZ relaxor ferroelectrics. <i>Journal of Crystal Growth</i> , <b>2011</b> , 318, 851-855	1.6	17

47	Characterization of anionic surfactants modified montmorillonite and its application for the removal of methyl orange. <i>Chemical Engineering Journal</i> , <b>2011</b> , 171, 1150-1158	14.7	141
46	Luminescent Properties and Energy Transfer of Ce <sup>3+</sup> , Tb <sup>3+</sup> Co-Doped NaBaPO <sub>4</sub> Phosphor. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, J368	3.9	31
45	The improvement of moisture resistance and thermal stability of Ca <sub>3</sub> SiO <sub>4</sub> Cl <sub>2</sub> :Eu <sup>2+</sup> phosphor coated with SiO <sub>2</sub> . <i>Applied Surface Science</i> , <b>2011</b> , 257, 4350-4353	6.7	58
44	Effect of reaction systems and surfactant additives on the morphology evolution of hydroxyapatite nanorods obtained via a hydrothermal route. <i>Applied Surface Science</i> , <b>2011</b> , 257, 4384-4388	6.7	26
43	Sol-gel synthesis and green upconversion luminescence in BaGd <sub>2</sub> (MoO <sub>4</sub> ) <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> phosphors. <i>Optical Materials</i> , <b>2011</b> , 33, 576-581	3.3	37
42	Crystal growth of Ca <sub>3</sub> SiO <sub>4</sub> Br <sub>2</sub> : New photoluminescence bromosilicate host. <i>Journal of Crystal Growth</i> , <b>2011</b> , 318, 958-961	1.6	6
41	Photoluminescence and Energy Transfer of Eu <sup>2+</sup> , Cr <sup>3+</sup> Co-Doped MgSrAl <sub>10</sub> O <sub>17</sub> . <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, J300	3.9	18
40	Synthesis and Luminescence Properties of Ba <sub>2</sub> Gd(BO <sub>3</sub> ) <sub>2</sub> Cl:Eu <sup>2+</sup> Phosphor. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, J359	3.9	39
39	Facile morphology-controlled synthesis and luminescence properties of BaMoO <sub>4</sub> :Eu <sup>3+</sup> microparticles and micro-rods obtained by a molten-salt reaction route. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 9612-20	1.3	10
38	Controllable multicolor upconversion luminescence of lanthanide doped NaGdF <sub>4</sub> nanocrystals through single laser excitation at 980 nm. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 9607-11	1.3	1
37	Synthesis and Luminescence Properties of BaMoO <sub>4</sub> :Sm <sup>3+</sup> Phosphors. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1397	3.8	74
36	Phase structure and temperature dependent luminescence properties of Sr <sub>2</sub> LiSiO <sub>4</sub> F:Eu <sup>2+</sup> and Sr <sub>2</sub> MgSi <sub>2</sub> O <sub>7</sub> :Eu <sup>2+</sup> phosphors. <i>Journal of Rare Earths</i> , <b>2010</b> , 28, 874-877	3.7	12
35	Synthesis and upconversion luminescence properties of CaF <sub>2</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> nanoparticles obtained from SBA-15 template. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 2035-2041	2.5	24
34	Ultrasound-assisted preparation and characterization of anionic surfactant modified montmorillonites. <i>Applied Clay Science</i> , <b>2010</b> , 50, 576-581	5.2	51
33	Luminescence properties of double-perovskite Sr <sub>2</sub> Ca <sub>1-2x</sub> Eu <sub>x</sub> Na <sub>x</sub> MoO <sub>6</sub> red-emitting phosphors prepared by the citric acid-assisted sol-gel method. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 1553-1559	4.3	68
32	A novel blue-emitting Ca <sub>2</sub> B <sub>5</sub> O <sub>9</sub> Br:Eu <sup>2+</sup> phosphor prepared by a microwave calcination route. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 119, 7-10	4.4	50
31	Synthesis and spectral analysis of Yb <sup>3+</sup> /Tm <sup>3+</sup> /Ho <sup>3+</sup> -doped Na <sub>0.5</sub> Gd <sub>0.5</sub> WO <sub>4</sub> phosphor to achieve white upconversion luminescence. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 1199-1202	5.1	35
30	Synthesis, structure and luminescence properties of Y(V,P)O <sub>4</sub> :Eu <sup>3+</sup> , Bi <sup>3+</sup> phosphors. <i>Journal of Luminescence</i> , <b>2010</b> , 130, 1818-1824	3.8	40

29	Synthesis and luminescence properties of YVO <sub>4</sub> :Eu <sup>3+</sup> ,Bi <sup>3+</sup> phosphor with enhanced photoluminescence by Bi <sup>3+</sup> doping. <i>Journal of Physics and Chemistry of Solids</i> , <b>2010</b> , 71, 175-180	3.9	94
28	Synthesis and color-tunable luminescence properties of novel calcium aluminate silicate chloride phosphors. <i>Current Applied Physics</i> , <b>2010</b> , 10, 1087-1091	2.6	22
27	Upconversion luminescence of Yb <sup>3+</sup> /Ho <sup>3+</sup> /Er <sup>3+</sup> /Tm <sup>3+</sup> co-doped KGd(WO <sub>4</sub> ) <sub>2</sub> powders. <i>Journal of Rare Earths</i> , <b>2010</b> , 28, 697-700	3.7	24
26	Luminescence Properties of Ba <sub>2</sub> Mg(BO <sub>3</sub> ) <sub>2</sub> :Eu <sup>2+</sup> Red Phosphors Synthesized by a Microwave-Assisted Sol-Gel Route. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, J361	3.9	44
25	Growth and electrical performance of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> PbTiO <sub>3</sub> Pb(Fe <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> single crystals. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 1256-1260	5.1	5
24	Synthesis and upconversion luminescence properties of Yb <sup>3+</sup> /Er <sup>3+</sup> codoped BaGd <sub>2</sub> (MoO <sub>4</sub> ) <sub>4</sub> powder. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 1660-1662	5.1	29
23	Synthesis of mesoporous hydroxyapatite using a modified hard-templating route. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 1626-1629	5.1	34
22	Synthesis and calcination temperature dependent photoluminescence properties of novel bromosilicate phosphors. <i>Materials Letters</i> , <b>2009</b> , 63, 2600-2602	3.3	12
21	Compositional dependence of structural and electrical properties in (1-x)[PMNBT(65/35)] <sub>1-x</sub> PZ solid solutions. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 244-249	4.3	2
20	Luminescence properties of a new green emitting Eu <sup>2+</sup> -doped barium chlorosilicate phosphor. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 96, 459-463	1.9	20
19	Effects on direct synthesis of large scale mono-disperse Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> nanosized particles. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 458, 558-563	5.7	25
18	Crystal structure and dielectric properties of (1-x)Ca <sub>0.61</sub> Nd <sub>0.26</sub> TiO <sub>3</sub> +xNd(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> complex perovskite at microwave frequencies. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 124104	2.5	21
17	Growth and characterization of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> PbTiO <sub>3</sub> PbZrO <sub>3</sub> single crystals with high rhombohedral/tetragonal phase transition temperature. <i>Solid State Communications</i> , <b>2008</b> , 145, 38-42	1.6	21
16	Role of oxygen vacancies in the coloration of 0.65Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.35PbTiO <sub>3</sub> single crystals. <i>Crystal Research and Technology</i> , <b>2007</b> , 42, 511-516	1.3	12
15	Phase transformation in (0.90-x)Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -xPbTiO <sub>3</sub> -0.10PbZrO <sub>3</sub> piezoelectric ceramic: X-ray diffraction and Raman investigation. <i>Solid State Communications</i> , <b>2007</b> , 142, 323-328	1.6	54
14	Structural phase transformation and electrical properties of (0.90-x)Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -xPbTiO <sub>3</sub> -0.10Pb(Fe <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> ferroelectric ceramics near the morphotropic phase boundary. <i>Acta Materialia</i> , <b>2007</b> , 55, 6176-6181	8.4	15
13	Effect of PbO-Bi <sub>2</sub> O <sub>3</sub> and PbO-B <sub>2</sub> O <sub>3</sub> flux systems on the crystalline and magnetic properties of Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ferrite prepared from the mixed powders. <i>Materials Research Bulletin</i> , <b>2007</b> , 42, 1468-1472	5.1	18
12	Comparative investigation of structure and dielectric properties of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> PbTiO <sub>3</sub> (65/35) and 10% PbZrO <sub>3</sub> -doped Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> PbTiO <sub>3</sub> (65/35) ceramics prepared by a modified precursor method. <i>Materials Research Bulletin</i> , <b>2007</b> , 42, 1715-1722	5.1	23

11	Luminescence properties of Ba <sub>5</sub> SiO <sub>4</sub> (F, Cl) <sub>6</sub> :Eu <sup>2+</sup> phosphor. <i>Materials Letters</i> , <b>2007</b> , 61, 1885-1888	3.3	44
10	Structural and electrical properties investigations of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> PbTiO <sub>3</sub> Pb(Fe <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> ceramics. <i>Scripta Materialia</i> , <b>2007</b> , 57, 981-984	5.6	10
9	Structural phase transition behaviour and electrical properties of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> PbTiO <sub>3</sub> PbZrO <sub>3</sub> ceramics. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 7826-7832	3	17
8	Comparative Investigation of Photoluminescence and Long-Lasting Phosphorescence Properties in the (CaO) <sub>2</sub> (CaBr <sub>2</sub> ) <sub>2</sub> (SiO <sub>2</sub> ) <sub>2</sub> :Eu <sup>2+</sup> Phosphor System. <i>Electrochemical and Solid-State Letters</i> , <b>2007</b> , 10, J4		21
7	Luminescence of Eu <sup>2+</sup> in alkali earth chlorosilicate phosphor and their color-tunable properties. <i>Optical Materials</i> , <b>2006</b> , 28, 524-529	3.3	44
6	Growth and Characterization of Single-Crystal Y <sub>2</sub> O <sub>3</sub> :Eu Nanobelts Prepared with a Simple Technique. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 2193-2196	3.5	55
5	Greenish-yellow Light-emitting, Long-lasting Phosphorescence in Eu <sup>2+</sup> -doped CaO(CaBr <sub>2</sub> ) <sub>2</sub> (SiO <sub>2</sub> ) <sub>2</sub> Phosphor System. <i>Chemistry Letters</i> , <b>2006</b> , 35, 764-765	1.7	7
4	Shining Mn <sup>4+</sup> in 0D Organometallic Fluoride Hosts towards Highly Efficient Photoluminescence. <i>Advanced Optical Materials</i> , 2102141	8.1	3
3	Zero-Dimensional Luminescent Metal Halide Hybrids Enabling Bulk Transparent Medium as Large-Area X-Ray Scintillators. <i>Advanced Optical Materials</i> , 2102793	8.1	15
2	Zero-Dimensional Organic Copper(I) Iodide Hybrid with High Anti-Water Stability for Blue-Light-Excitable Solid-State Lighting. <i>Advanced Optical Materials</i> , 2102619	8.1	10
1	Modulation of Thermally Stable Photoluminescence in Cr <sup>3+</sup> -Based Near-Infrared Phosphors. <i>Journal of Physical Chemistry Letters</i> , 5001-5008	6.4	5