

# Xiao-Jun Wang

## List of Publications by Year in descending order

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243  
papers

11,510  
citations

25014

57  
h-index

37183

96  
g-index

246  
all docs

246  
docs citations

246  
times ranked

7517  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A highly efficient and suitable spectral profile Cr <sup>3+</sup> -doped garnet near-infrared emitting phosphor for regulating photomorphogenesis of plants. <i>Chemical Engineering Journal</i> , 2022, 428, 132003.  | 6.6 | 118       |
| 2  | High-activity daisy-like zeolitic imidazolate framework-67/reduced graphene oxide-based colorimetric biosensor for sensitive detection of hydrogen peroxide. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 3069-3078.   | 5.0 | 23        |
| 3  | Spectrally tunable and thermally stable near-infrared luminescence in Na <sub>3</sub> Sc <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> :Cr <sup>3+</sup> phosphors by Ga <sup>3+</sup> co-doping for light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 994-1002. | 2.7 | 27        |
| 4  | Near-Infrared-to-Near-Infrared Optical Thermometer BaY <sub>2</sub> O <sub>4</sub> :Yb <sup>3+</sup> /Nd <sup>3+</sup> Assembled with Photothermal Conversion Performance. <i>Inorganic Chemistry</i> , 2022, 61, 5425-5432.   | 1.9 | 45        |
| 5  | Sunlight stimulated solar-blind ultraviolet phosphor. <i>Physical Review Research</i> , 2022, 4, .   | 1.3 | 4         |
| 6  | Photoluminescent CdTe Quantum Dot-Polynitroxylated Albumin Composites for Glutathione Detection. <i>ACS Applied Nano Materials</i> , 2022, 5, 4677-4687.   | 2.4 | 6         |
| 7  | Converting wastes to resource: Utilization of dewatered municipal sludge for calcium-based biochar adsorbent preparation and land application as a fertilizer. <i>Chemosphere</i> , 2022, 298, 134302.   | 4.2 | 10        |
| 8  | Blue LED-pumped intense short-wave infrared luminescence based on Cr <sup>3+</sup> -Yb <sup>3+</sup> -co-doped phosphors. <i>Light: Science and Applications</i> , 2022, 11, 136.  | 7.7 | 110       |
| 9  | Thermally enhanced near-infrared luminescence in CaSc <sub>2</sub> O <sub>4</sub> :Yb <sup>3+</sup> /Nd <sup>3+</sup> nanorods for temperature sensing and photothermal conversion. <i>Ceramics International</i> , 2022, 48, 23436-23443.   | 2.3 | 6         |
| 10 | Ultraviolet glow of Lu <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> :Bi <sup>3+</sup> phosphor in indoor lighting. <i>Journal of Luminescence</i> , 2022, 248, 118932.   | 1.5 | 8         |
| 11 | Conceptual Ultraviolet Light Source Based on Up-Conversion Luminescence. <i>Advanced Photonics Research</i> , 2022, 3, .   | 1.7 | 5         |
| 12 | Design of a bi-functional NaScF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanoparticles for deep-tissue bioimaging and optical thermometry through Mn <sup>2+</sup> doping. <i>Talanta</i> , 2021, 224, 121832.   | 2.9 | 28        |
| 13 | Effect of hydraulic retention time on effluent pH in anammox bioreactors: Characteristics of effluent pH and pH as an indicator of reactor performance. <i>Journal of Environmental Management</i> , 2021, 280, 111716.  | 3.8 | 16        |
| 14 | Upconversion nanoparticles modified by Cu <sub>2</sub> S for photothermal therapy along with real-time optical thermometry. <i>Nanoscale</i> , 2021, 13, 7161-7168.  | 2.8 | 66        |
| 15 | Multipath optical thermometry realized in CaSc <sub>2</sub> O <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> with high sensitivity and superior resolution. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2711-2720.   | 1.9 | 10        |
| 16 | Effect of detrapping on up-conversion charging in LaMgGa <sub>11</sub> O <sub>19</sub> :Pr <sup>3+</sup> persistent phosphor. <i>Journal of Rare Earths</i> , 2021, 39, 1492-1496.   | 2.5 | 13        |
| 17 | Emission from Storage Phosphors That Glow Even in Bright Ambient Light. <i>Physical Review Applied</i> , 2021, 15, .   | 1.5 | 11        |
| 18 | Ultrasensitive optical thermometer based on abnormal thermal quenching Stark transitions operating beyond 1500 nm. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5784-5793.  | 1.9 | 10        |

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|----|---|-----|-----------|
| 19 | Broadband Short-Wave Infrared Light-Emitting Diodes Based on Cr <sup>3+</sup> -Doped LiScGeO <sub>4</sub> Phosphor. ACS Applied Materials & Interfaces, 2021, 13, 36011-36019.  | 4.0 | 93        |
| 20 | The benefits of autotrophic nitrogen removal from high concentration of urea wastewater through a process of urea hydrolysis and partial nitritation in sequencing batch reactor. Journal of Environmental Management, 2021, 292, 112762.   | 3.8 | 12        |
| 21 | Composition-driven anionic disorder-order transformations triggered single-Eu <sup>2+</sup> -converted high-color-rendering white-light phosphors. Chemical Engineering Journal, 2020, 380, 122508.   | 6.6 | 38        |
| 22 | Tuning of Emission by Eu <sup>3+</sup> Concentration in a Pyrophosphate: the Effect of Local Symmetry. Inorganic Chemistry, 2020, 59, 2241-2247.  | 1.9 | 78        |
| 23 | Single-Crystal Red Phosphors: Enhanced Optical Efficiency and Improved Chemical Stability for wLEDs. Advanced Optical Materials, 2020, 8, 1901512.  | 3.6 | 36        |
| 24 | Nitrite accumulation stability evaluation for low-strength ammonium wastewater by adsorption and biological desorption of zeolite under different operational temperature. Science of the Total Environment, 2020, 704, 135260.             | 3.9 | 28        |
| 25 | Digestive Ripening-Mediated Growth of NaYbF <sub>4</sub> :Tm@NaYF <sub>4</sub> Core-Shell Nanoparticles for Bioimaging. ACS Applied Nano Materials, 2020, 3, 10049-10056.   | 2.4 | 7         |
| 26 | Multicolor emission leading by energy transfer between Dy <sup>3+</sup> and Eu <sup>3+</sup> in wolframite InNbTiO <sub>6</sub> . Journal of Luminescence, 2020, 227, 117578.   | 1.5 | 11        |
| 27 | Deep-Tissue Temperature Sensing Realized in BaY <sub>2</sub> O <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> with Ultrahigh Sensitivity and Extremely Intense Red Upconversion Luminescence. Inorganic Chemistry, 2020, 59, 11054-11060. | 1.9 | 85        |
| 28 | Optical thermometry based on the thermally coupled energy levels of Er <sup>3+</sup> in upconversion materials. Dalton Transactions, 2020, 49, 17115-17120.   | 1.6 | 57        |
| 29 | Strategies to approach high performance in Cr <sup>3+</sup> -doped phosphors for high-power NIR-LED light sources. Light: Science and Applications, 2020, 9, 86.  | 7.7 | 432       |
| 30 | Charging Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> :Pr <sup>3+</sup> persistent phosphor using blue lasers. Journal of Luminescence, 2020, 226, 117427.   | 1.5 | 19        |
| 31 | Performance and mechanism of urea hydrolysis in partial nitritation system based on SBR. Chemosphere, 2020, 258, 127228.  | 4.2 | 14        |
| 32 | Zeolite biofilm aeration filter plays a pre-nitritation role in autotrophic nitrogen removal from iron oxide red wastewater. Journal of Chemical Technology and Biotechnology, 2020, 95, 3261-3269.   | 1.6 | 3         |
| 33 | Partial nitritation performance and microbial community in sequencing batch biofilm reactor filled with zeolite under organics oppression and its recovery strategy. Bioresource Technology, 2020, 305, 123031.                             | 4.8 | 23        |
| 34 | &lt;p&gt;Nitroxide-Modified Protein-Incorporated Nanoflowers with Dual Enzyme-Like Activities&lt;/p&gt;. International Journal of Nanomedicine, 2020, Volume 15, 263-273.   | 3.3 | 4         |
| 35 | Efficient and stable Sr <sub>3</sub> Eu <sub>2</sub> B <sub>4</sub> O <sub>12</sub> red phosphor benefiting from low symmetry and distorted local environment. Dalton Transactions, 2020, 49, 3260-3271.                                    | 1.6 | 36        |
| 36 | The Non-Concentration-Quenching Phosphor Ca <sub>3</sub> Eu <sub>2</sub> B <sub>4</sub> O <sub>12</sub> for WLED Application. Inorganic Chemistry, 2020, 59, 3894-3904.   | 1.9 | 118       |

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|----|---|-----|-----------|
| 37 | Manipulating trap filling of persistent phosphors upon illumination by using a blue light-emitting diode. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6988-6992.   | 2.7 | 18        |
| 38 | Persistent Emission of Narrowband Ultraviolet-B Light upon Blue-Light Illumination. <i>Physical Review Applied</i> , 2020, 13, .  | 1.5 | 40        |
| 39 | White-light flashlight activated up-conversion luminescence for ultraviolet-B tagging. <i>Optics Letters</i> , 2020, 45, 2720.  | 1.7 | 8         |
| 40 | Ultraviolet-B persistent luminescence and thermoluminescence of bismuth ion doped garnet phosphors. <i>Optical Materials Express</i> , 2020, 10, 1296.  | 1.6 | 30        |
| 41 | Structure and luminescent properties of new Dy <sup>3+</sup> /Eu <sup>3+</sup> /Sm <sup>3+</sup> -activated InNbTiO <sub>6</sub> phosphors for white UV-LEDs. <i>Optical Materials</i> , 2019, 98, 109403.  | 1.7 | 20        |
| 42 | Pilot study of nitrogen removal from landfill leachate by stable nitrification-denitrification based on zeolite biological aerated filter. <i>Waste Management</i> , 2019, 100, 161-170.  | 3.7 | 22        |
| 43 | Nitrogen removal from iron oxide red wastewater via partial nitrification-Anammox based on two-stage zeolite biological aerated filter. <i>Bioresource Technology</i> , 2019, 279, 17-24.   | 4.8 | 25        |
| 44 | Recent developments in luminescent nanoparticles for plant imaging and photosynthesis. <i>Journal of Rare Earths</i> , 2019, 37, 903-915.   | 2.5 | 44        |
| 45 | Enhanced absorption of Sr <sub>3</sub> Lu <sub>2</sub> (BO <sub>3</sub> ) <sub>4</sub> :Ce <sup>3+</sup> ,Tb <sup>3+</sup> phosphor with energy transfer for UV-pumped white LEDs. <i>Journal of Alloys and Compounds</i> , 2019, 789, 215-220.       | 2.8 | 6         |
| 46 | Improving moisture stability of SrLiAl <sub>3</sub> N <sub>4</sub> :Eu <sup>2+</sup> through phosphor-in-glass approach to realize its application in plant growing LED device. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 195-199. | 5.0 | 24        |
| 47 | Salt inhibition on partial nitrification performance of ammonium-rich saline wastewater in the zeolite biological aerated filter. <i>Bioresource Technology</i> , 2019, 280, 287-294.   | 4.8 | 28        |
| 48 | Highly efficient and dual broad emitting light convertor: an option for next-generation plant growth LEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3617-3622.  | 2.7 | 35        |
| 49 | Design of Coil Winding Insulation Voltage Testing and Corona Signal Extraction System. , 2019, , .  |     | 1         |
| 50 | Response of nitrification performance and microbial community structure in sequencing biofilm batch reactors filled with different zeolite and alkalinity ratio. <i>Bioresource Technology</i> , 2019, 273, 487-495.                                  | 4.8 | 31        |
| 51 | Red Phosphor Rb <sub>2</sub> NbOF <sub>5</sub> :Mn <sup>4+</sup> for Warm White Light-Emitting Diodes with a High Color-Rendering Index. <i>Inorganic Chemistry</i> , 2019, 58, 456-461.  | 1.9 | 60        |
| 52 | Enhanced luminescence performance of CaO:Ce <sup>3+</sup> ,Li <sup>+</sup> ,F <sup>+</sup> phosphor and its phosphor-in-glass based high-power warm LED properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4077-4086.                     | 2.7 | 24        |
| 53 | High sensitivity glucose detection at extremely low concentrations using a MoS <sub>2</sub> -based field-effect transistor. <i>RSC Advances</i> , 2018, 8, 7942-7948.   | 1.7 | 75        |
| 54 | Site Occupancy and UV-Vis Photoluminescence of the Lanthanide Ions in BaY <sub>2</sub> Si <sub>3</sub> O <sub>10</sub> . <i>Journal of Physical Chemistry C</i> , 2018, 122, 7421-7431.   | 1.5 | 17        |

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|----|---|-----|-----------|
| 55 | A Raman spectroscopy study on the effects of intermolecular hydrogen bonding on water molecules absorbed by borosilicate glass surface. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 317-322.  | 2.0 | 21        |
| 56 | An improved stochastic fractal search algorithm for 3D protein structure prediction. <i>Journal of Molecular Modeling</i> , 2018, 24, 125.  | 0.8 | 13        |
| 57 | Gaussian Process Regression and Bayesian Inference Based Operating Performance Assessment for Multiphase Batch Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 7232-7244.   | 1.8 | 9         |
| 58 | Enhanced Biological Photosynthetic Efficiency Using Light Harvesting Engineering with Dual Emissive Carbon Dots. <i>Advanced Functional Materials</i> , 2018, 28, 1804004.  | 7.8 | 189       |
| 59 | Nitrogen removal via nitrification pathway for low-strength ammonium wastewater by adsorption, biological desorption and denitrification. <i>Bioresource Technology</i> , 2018, 267, 541-549.   | 4.8 | 46        |
| 60 | A new up-conversion charging concept for effectively charging persistent phosphors using low-energy visible-light laser diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8003-8010.   | 2.7 | 46        |
| 61 | Light-induced electrons suppressed by $\text{Eu}^{3+}$ ions doped in $\text{Ca}_{11.94}\text{SrAl}_{14}\text{O}_{33}$ caged phosphors for LED and FEDs. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3467-3477.  | 1.9 | 19        |
| 62 | Partial nitrification performance and mechanism of zeolite biological aerated filter for ammonium wastewater treatment. <i>Bioresource Technology</i> , 2017, 241, 473-481.   | 4.8 | 80        |
| 63 | Temperature sensing and bio-imaging applications based on polyethylenimine/CaF <sub>2</sub> nanoparticles with upconversion fluorescence. <i>Talanta</i> , 2017, 169, 181-188.  | 2.9 | 34        |
| 64 | Improvement of X-ray storage properties of C12A7:Tb <sup>3+</sup> photo-stimulable phosphors through controlling encaged anions. <i>Journal of Alloys and Compounds</i> , 2017, 696, 828-835.   | 2.8 | 17        |
| 65 | Intense red up-conversion luminescence and dynamical processes observed in $\text{Sc}_2\text{O}_3\text{:Yb}^{3+},\text{Er}^{3+}$ nanostructures. <i>Dalton Transactions</i> , 2017, 46, 15954-15960.  | 1.6 | 8         |
| 66 | Solving probability reasoning based on DNA strand displacement and probability modules. <i>Computational Biology and Chemistry</i> , 2017, 71, 274-279.   | 1.1 | 10        |
| 67 | Finite-Time Composite Position Control for a Disturbed Pneumatic Servo System. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-10.  | 0.6 | 3         |
| 68 | $\text{Ca}_{1-x}\text{Li}_x\text{Al}_3\text{Si}_{1+x}\text{N}_3\text{:Eu}^{2+}$ solid solutions as broadband, color-tunable and thermally robust red phosphors for superior color rendition white light-emitting diodes. <i>Light: Science and Applications</i> , 2016, 5, e16155-e16155. | 7.7 | 186       |
| 69 | Forced oscillations with linear and nonlinear damping. <i>American Journal of Physics</i> , 2016, 84, 32-37.  | 0.3 | 11        |
| 70 | New function of the Yb <sup>3+</sup> ion as an efficient emitter of persistent luminescence in the short-wave infrared. <i>Light: Science and Applications</i> , 2016, 5, e16124-e16124.  | 7.7 | 185       |
| 71 | Investigation into optical heating and applicability of the thermal sensor bifunctional properties of $\text{Yb}^{3+}$ sensitized $\text{Tm}^{3+}$ doped $\text{Y}_2\text{O}_3$ , YAG and $\text{LaAlO}_3$ phosphors. <i>RSC Advances</i> , 2016, 6, 97676-97683.                         | 1.7 | 28        |
| 72 | Partial nitrification and denitrification of mature landfill leachate using a pilot-scale continuous activated sludge process at low dissolved oxygen. <i>Bioresource Technology</i> , 2016, 218, 580-588.  | 4.8 | 85        |

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|----|--|-----|-----------|
| 73 | Studies on phosphorescence and trapping effects of Mn-doped and undoped zinc germinates. Journal of Luminescence, 2016, 169, 622-626.  | 1.5 | 5         |
| 74 | A single Eu <sup>2+</sup> -activated high-color-rendering oxychloride white-light phosphor for white-light-emitting diodes. Light: Science and Applications, 2016, 5, e16024-e16024.   | 7.7 | 289       |
| 75 | A vacuum-annealing strategy for improving near-infrared super long persistent luminescence in Cr <sup>3+</sup> doped zinc gallogermanate nanoparticles for bio-imaging. Dalton Transactions, 2016, 45, 1364-1372.                                    | 1.6 | 57        |
| 76 | Raman spectra of proton order of thin ice film. Journal of Raman Spectroscopy, 2015, 46, 388-391.  | 1.2 | 14        |
| 77 | Terpolymer-based SIPN coating with excellent antifogging and frost-resisting properties. RSC Advances, 2015, 5, 102560-102566.   | 1.7 | 35        |
| 78 | Selectively enhanced red upconversion luminescence and phase/size manipulation via Fe <sup>3+</sup> doping in NaYF <sub>4</sub> :Yb,Er nanocrystals. Nanoscale, 2015, 7, 14752-14759.  | 2.8 | 135       |
| 79 | Long lasting blue phosphorescence and photostimulated luminescence in 12CaO·7Al <sub>2</sub> O <sub>3</sub> :Eu thin films grown by pulsed laser deposition. Optical Materials, 2014, 36, 1771-1775.   | 1.7 | 9         |
| 80 | Effect of Boron Nitride (BN) on Luminescent Properties of Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce Phosphors and their White Light-Emitting Diode Characteristics. International Journal of Applied Ceramic Technology, 2013, 10, 610-616. | 1.1 | 8         |
| 81 | One-pot synthesis of high quality CdS nanocrystals by microwave irradiation in an organic phase: a green route for mass production. Journal of Materials Chemistry C, 2013, 1, 4550.   | 2.7 | 16        |
| 82 | Luminescence and energy transfer in Ca <sub>3</sub> Sc <sub>2</sub> Si <sub>3</sub> O <sub>12</sub> :Ce <sup>3+</sup> ,Mn <sup>2+</sup> white LED phosphors. Journal of Luminescence, 2013, 133, 21-24.  | 1.5 | 84        |
| 83 | A multiphase strategy for realizing green cathodoluminescence in 12CaO·7Al <sub>2</sub> O <sub>3</sub> ·CaCeAl <sub>3</sub> O <sub>7</sub> :Ce <sup>3+</sup> ,Tb <sup>3+</sup> conductive phosphor. Dalton Transactions, 2013, 42, 16311.            | 1.6 | 21        |
| 84 | Spectral modulation through controlling anions in nanocaged phosphors. Journal of Materials Chemistry C, 2013, 1, 7896.  | 2.7 | 10        |
| 85 | Color tuning of (K <sup>x</sup> ,Na <sub>x</sub> )SrPO <sub>4</sub> :0.005Eu <sup>2+</sup> , γTb <sup>3+</sup> blue-emitting phosphors via crystal field modulation and energy transfer. Journal of Materials Chemistry C, 2013, 1, 4570.            | 2.7 | 84        |
| 86 | Homogeneous Precipitation Synthesis and Low Voltage Cathodoluminescence of SnO <sub>2</sub> :Eu <sup>3+</sup> Phosphors for Field Emission Displays. International Journal of Applied Ceramic Technology, 2013, 10, 625-630.                         | 1.1 | 4         |
| 87 | New yellow Ba <sub>0.93</sub> Eu <sub>0.07</sub> Al <sub>2</sub> O <sub>4</sub> phosphor for warm-white light-emitting diodes through single-emitting-center conversion. Light: Science and Applications, 2013, 2, e50-e50.                          | 7.7 | 355       |
| 88 | Dual Color Emissions of Sr <sub>2-x</sub> Ca <sub>x</sub> P <sub>2</sub> O <sub>7</sub> :Eu <sup>2+</sup> , Mn <sup>2+</sup> for near UV Excitation. Journal of the Electrochemical Society, 2012, 159, F56-F61.                                     | 1.3 | 9         |
| 89 | Microwave-assisted synthesis of ZnO·Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> composites with enhanced visible light photocatalysis. Journal of Materials Chemistry, 2012, 22, 16293.   | 6.7 | 39        |
| 90 | Blue emission of Sr <sub>2-x</sub> CaxP <sub>2</sub> O <sub>7</sub> :Eu <sup>2+</sup> for near UV excitation. Journal of Alloys and Compounds, 2012, 515, 39-43.   | 2.8 | 21        |

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|-----|---|-----|-----------|
| 91  | Luminescence investigation and thermal stability study of Eu <sup>2+</sup> and Eu <sup>2+</sup> –Mn <sup>2+</sup> codoped (Ba,Sr)Mg <sub>2</sub> Al <sub>6</sub> Si <sub>9</sub> O <sub>30</sub> phosphor. Journal of Alloys and Compounds, 2012, 513, 430-435.   | 2.8 | 23        |
| 92  | Single-phased white-emitting 12CaO·7Al <sub>2</sub> O <sub>3</sub> :Ce <sup>3+</sup> , Dy <sup>3+</sup> phosphors with suitable electrical conductivity for field emission displays. Journal of Materials Chemistry, 2012, 22, 16839.   | 6.7 | 58        |
| 93  | Yellow-emitting (Ca <sub>2</sub> Lu <sub>1-x</sub> Ce <sub>x</sub> )(ScMg)Si <sub>3</sub> O <sub>12</sub> phosphor and its application for white LEDs. Materials Research Bulletin, 2012, 47, 1149-1152.  | 2.7 | 21        |
| 94  | Photoluminescence properties of CaO:Ce <sup>3+</sup> ,Na <sup>+</sup> , a non-garnet yellow-emitting phosphor under blue light excitation. Materials Letters, 2012, 68, 443-445.  | 1.3 | 15        |
| 95  | A new dual-emission phosphor Ca <sub>4</sub> Si <sub>2</sub> O <sub>7</sub> F <sub>2</sub> :Ce <sup>3+</sup> , Mn <sup>2+</sup> with energy transfer for near-UV LEDs. Materials Letters, 2012, 77, 45-47.  | 1.3 | 24        |
| 96  | Crystal structure and luminescence properties of Lu <sup>3+</sup> and Mg <sup>2+</sup> incorporated silicate garnet [Ca <sub>3-x</sub> (x+0.06)LuxCe <sub>0.06</sub> ](Sc <sub>2-y</sub> Mgy)Si <sub>3</sub> O <sub>12</sub> . Journal of Luminescence, 2012, 132, 1257-1260.   | 1.5 | 17        |
| 97  | Spectral tuning and energy transfer in a potential fluorescent lamp phosphor BaMg <sub>2</sub> Al <sub>6</sub> Si <sub>9</sub> O <sub>30</sub> :Eu <sup>2+</sup> . Journal of Luminescence, 2012, 132, 2439-2442.   | 1.5 | 11        |
| 98  | Tunable Full-Color Emitting BaMg <sub>2</sub> Al <sub>6</sub> Si <sub>9</sub> O <sub>30</sub> :Eu <sup>2+</sup> , Tb <sup>3+</sup> , Mn <sup>2+</sup> Phosphors Based on Energy Transfer. Inorganic Chemistry, 2011, 50, 7846-7851.   | 1.9 | 197       |
| 99  | Tunable full-color-emitting Ca <sub>3</sub> Sc <sub>2</sub> Si <sub>3</sub> O <sub>12</sub> :Ce <sup>3+</sup> , Mn <sup>2+</sup> phosphor via charge compensation and energy transfer. Chemical Communications, 2011, 47, 10677.  | 2.2 | 225       |
| 100 | Crystal structure and luminescence properties of (Ca <sub>2.94-x</sub> Lu <sub>x</sub> Ce <sub>0.06</sub> )(Sc <sub>2-y</sub> Mg <sub>y</sub> )Si <sub>3</sub> O <sub>12</sub> phosphors for white LEDs with excellent colour rendering and high luminous efficiency. Journal Physics D: Applied Physics, 2011, 44, 075402. | 1.3 | 23        |
| 101 | Generating yellow and red emissions by co-doping Mn <sup>2+</sup> to substitute for Ca <sup>2+</sup> and Sc <sup>3+</sup> sites in Ca <sub>3</sub> Sc <sub>2</sub> Si <sub>3</sub> O <sub>12</sub> :Ce <sup>3+</sup> green emitting phosphor for white LED applications. Journal of Materials Chemistry, 2011, 21, 16379.   | 6.7 | 100       |
| 102 | Synthesis and luminescence properties of clew-like CaMoO <sub>4</sub> :Sm <sup>3+</sup> , Eu <sup>3+</sup> . Journal of Alloys and Compounds, 2011, 509, L348-L351.   | 2.8 | 48        |
| 103 | Generation of broadband emission by incorporating N <sub>3</sub> <sup>3-</sup> into Ca <sub>3</sub> Sc <sub>2</sub> Si <sub>3</sub> O <sub>12</sub> :Ce <sup>3+</sup> garnet for high rendering white LEDs. Journal of Materials Chemistry, 2011, 21, 6354.   | 6.7 | 94        |
| 104 | Color control and white light generation of upconversion luminescence by operating dopant concentrations and pump densities in Yb <sup>3+</sup> , Er <sup>3+</sup> and Tm <sup>3+</sup> tri-doped Lu <sub>2</sub> O <sub>3</sub> nanocrystals. Journal of Materials Chemistry, 2011, 21, 2895.                              | 6.7 | 90        |
| 105 | The Enhanced Low-Voltage Cathodoluminescent Properties of Spherical Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> Phosphors Coated with In <sub>2</sub> O <sub>3</sub> and its Application to Field-Emission Displays. International Journal of Applied Ceramic Technology, 2011, 8, 752-758.                             | 1.1 | 31        |
| 106 | Dynamical processes of energy transfer in red emitting phosphor CaMoO <sub>4</sub> :Sm <sup>3+</sup> , Eu <sup>3+</sup> . Optical Materials, 2011, 33, 1591-1594.   | 1.7 | 33        |
| 107 | Near UV and blue-based LED fabricated with Ca <sub>8</sub> Zn(SiO <sub>4</sub> ) <sub>4</sub> Cl <sub>2</sub> :Eu <sup>2+</sup> as green-emitting phosphor. Optical Materials, 2011, 34, 261-264.   | 1.7 | 11        |
| 108 | Improved photoluminescence and afterglow in CaTiO <sub>3</sub> :Pr <sup>3+</sup> with addition of nanosized SiO <sub>2</sub> . Physica B: Condensed Matter, 2011, 406, 3891-3895.   | 1.3 | 13        |

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| 109 | CaSc <sub>2</sub> O <sub>4</sub> :Eu <sup>3+</sup> : A tunable full-color emitting phosphor for white light emitting diodes. Optical Materials, 2011, 33, 355-358.  | 1.7 | 62        |
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