

Yuhua Wang

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.

570
papers

13,296
citations

52
h-index

74
g-index

604
ext. papers

15,497
ext. citations

5.2
avg, IF

7.13
L-index

#	Paper	IF	Citations
570	In Situ Embedding Synthesis of CsPbBr@Ce-MOF@SiO Nanocomposites for High Efficiency Light-Emitting Diodes: Suppressing Reabsorption Losses through the Waveguiding Effect.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	4
569	Design of efficient color-tunable long persistent luminescence phosphor BaGa ₂ O ₄ :Pr ³⁺ and its performance enhancement via a trap-induced strategy. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1105-1117	11.7	4
568	Application of upconversion-luminescent materials in temperature sensors 2022 , 291-310		
567	Anti-Defect engineering toward high luminescent efficiency in whitlockite phosphors. <i>Chemical Engineering Journal</i> , 2022 , 434, 134652	14.7	2
566	Crystal structure and optical performance analysis of a new type of persistent luminescence material with multi-functional application prospects. <i>Journal of Energy Chemistry</i> , 2022 , 69, 150-160	12	3
565	KRbAl ₂ B ₂ O ₇ : Eu ²⁺ : A new blue-emitting luminescent material with good thermal stability. <i>Optical Materials: X</i> , 2022 , 13, 100137	1.7	
564	A color-tunable persistent luminescence material LiTaO ₃ :Pr ³⁺ for dynamic anti-counterfeiting. <i>Journal of Alloys and Compounds</i> , 2022 , 899, 163325	5.7	3
563	Contact electrification induced mechanoluminescence. <i>Nano Energy</i> , 2022 , 94, 106920	17.1	4
562	A dynamic irradiation-responsive material for advanced anti-counterfeiting in dark and bright fields. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 4218-4223	7.1	1
561	Solvent Free Synthesis of Nitrogen Doped Carbon Dots with Dual Emission and Their Biological and Sensing Applications. <i>Materials Today Nano</i> , 2022 , 100205	9.7	1
560	Activators lattice migration strategy customized for tunable luminescence of Ce ³⁺ doped □Ca ₃ (PO ₄) ₂ . <i>Chemical Engineering Journal</i> , 2022 , 446, 137271	14.7	1
559	A near infrared-II broad emission material with multi-spectral excitation and long persistent luminescence properties. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 16022-16032	7.1	5
558	SAIL: a new conserved anti-fibrotic lncRNA in the heart. <i>Basic Research in Cardiology</i> , 2021 , 116, 15	11.8	13
557	Optimization of the shale gas reservoir fracture parameters based on the fully coupled gas flow and effective stress model. <i>Energy Science and Engineering</i> , 2021 , 9, 676-693	3.4	2
556	Site preference and the optical thermometry strategy by different temperature response from two sites environment of Mn ²⁺ in K ₇ ZnSc ₂ B ₁₅ O ₃₀ . <i>Chemical Engineering Journal</i> , 2021 , 409, 128190	14.7	11
555	The structure and photoluminescence properties of a novel yellow-green emission phosphor Ba ₃ Sc ₂ B ₄ O ₁₂ : Ce ³⁺ excited by NUV light. <i>Journal of Luminescence</i> , 2021 , 232, 117868	3.8	1
554	Na-functionalized carbon dots with aggregation-induced and enhanced cyan emission. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 469-475	9.3	10

553	A novel red-emitting Ca ₂ GdHf ₂ Al ₃ O ₁₂ :Eu ³⁺ phosphor for light-emitting diodes and field emission display. <i>Journal of Alloys and Compounds</i> , 2021 , 864, 158840	5.7	5
552	Research Advances on Human-Eye-Sensitive Long Persistent Luminescence Materials. <i>Frontiers in Chemistry</i> , 2021 , 9, 654347	5	1
551	Abnormal Self-Reduction Phenomenon of Europium-Doped Borate and Its Luminescence Properties. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2774-2782	4	8
550	Cyan Broad-Band Emission Phosphor with Scandium Silicon Multiple-Ring Structure for White Light-Emitting Diodes and Field Emission Displays. <i>Inorganic Chemistry</i> , 2021 , 60, 8870-8879	5.1	7
549	Graphene Oxide Nanosheets Decorated with MgAlCr-Layered Double Hydroxide Nanosheets as Flame Retardant Coatings for Steel. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8241-8250	5.6	4
548	Synthesis of a novel organic/inorganic hybrid flame retardant based on Ca(H ₂ PO ₄) ₂ and hexachlorocyclotriphosphazene and its performance in polyvinyl alcohol. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50099	2.9	1
547	A promising red-emitting phosphor SrLiAl ₃ N ₄ :Eu ²⁺ for field emission displays. <i>Journal of Alloys and Compounds</i> , 2021 , 864, 158103	5.7	3
546	Measurement of the Conductivity of Screen Printing Films at Microwave Frequency Employing Resonant Method. <i>Journal of Electronic Materials</i> , 2021 , 50, 521-527	1.9	0
545	Design of Novel Highly Efficient Yellow-Orange Color-Tunable Luminescence in RbSrCaPO:Eu Solid Solutions for White Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 1087-1092	6.4	6
544	A new efficient deep-red-emission phosphor AlO:Cr/YAlO:Ce for plant growth. <i>Dalton Transactions</i> , 2021 , 50, 3542-3549	4.3	7
543	Unraveling the Defect-Related Luminescence in a Eu-Doped Chlorosilicate Phosphor. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 958-965	6.4	5
542	A novel multifunctional flame retardant MXene/nanosilica hybrid for poly(vinyl alcohol) with simultaneously improved mechanical properties. <i>New Journal of Chemistry</i> , 2021 , 45, 4292-4302	3.6	6
541	Water-soluble green-emitting carbon nanodots with enhanced thermal stability for biological applications. <i>Nanoscale</i> , 2021 , 13, 4301-4307	7.7	7
540	Design and characterization of novel fabric-based multi-resonators for wearable chipless RFID applications. <i>Textile Research Journal</i> , 2021 , 91, 1830-1840	1.7	1
539	A High Efficiency Trivalent Chromium-Doped Near-Infrared-Emitting Phosphor and Its NIR Spectroscopy Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3145-3156	8.3	24
538	Low-Toxicity Antisolvent as a Polar Auxiliary Agent for High-Performance Perovskite Photodetectors. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 2850-2859	3.8	4
537	A novel efficient nonflammable coating containing g-C ₃ N ₄ and intumescent flame retardant fabricated via layer-by-layer assembly on cotton fiber. <i>Journal of Materials Science</i> , 2021 , 56, 9678-9691	4.3	10
536	Fluorescent Carbon Dots an Effective Nano-Thermometer in Vitro Applications.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 5786-5796	4.1	2

535	Multishelled NiO/NiCoO hollow microspheres derived from bimetal-organic frameworks as high-performance sensing material for acetone detection. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125662	12.8	8
534	Multi spectral responsive near infrared-II broad emission material and its LED device and imaging research. <i>Ceramics International</i> , 2021 ,	5.1	1
533	A Highly Efficient Eu ²⁺ Excited Phosphor with Luminescence Tunable in Visible Range and Its Applications for Plant Growth. <i>Advanced Optical Materials</i> , 2021 , 9, 2101173	8.1	5
532	Design of a broadband cyan-emitting phosphor with robust thermal stability for high-power WLED application. <i>Journal of Alloys and Compounds</i> , 2021 , 886, 161217	5.7	5
531	In-situ-formed Cd and Ag ₂ S decorated CdS photocatalyst with boosted charge carrier spatial separation for enhancing UV-vis-NIR photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120620	21.8	11
530	Optical storage and operation based on photostimulated luminescence. <i>Nano Energy</i> , 2021 , 90, 106546	17.1	6
529	The band engineering of 2D-hybridized PCN-Sb ₂ MoO ₆ -Bi ₂ O ₃ nanomaterials with dual Z-scheme heterojunction for enhanced photocatalytic water splitting without sacrificial agents. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 2325-2334	5.8	2
528	Design of highly efficient deep-red emission in the Mn doped new-type structure CaMgAlO for plant growth LED light. <i>Dalton Transactions</i> , 2021 , 50, 11793-11803	4.3	5
527	A promising route for developing yellow long persistent luminescence and mechanoluminescence in CaGa ₂ O ₄ :Pr ³⁺ ,Li ⁺ . <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 3748-3759	6.8	10
526	Design of novel structured Au/g-C ₃ N ₄ nanosheet/reduced graphene oxide nanocomposites for enhanced visible light photocatalytic activities. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 4086-4095	5.8	7
525	A novel wide-excitation and narrow-band blue-emitting phosphor with hafnium silicon multiple rings structure for photoluminescence and cathodoluminescence. <i>Journal of Alloys and Compounds</i> , 2020 , 831, 154825	5.7	7
524	Enhanced crystallinity and thermal stability of Ba ²⁺ and Al ³⁺ -substituted Sr ₂ Si ₅ N ₈ :Eu ²⁺ . <i>Journal of Materials Chemistry C</i> , 2020 , 8, 9874-9884	7.1	7
523	Constructing a single-white-light emission by finely modulating the occupancy of luminescence centers in europium-doped (Ca _{1-x} Sr _x) ₉ Bi(PO ₄) ₇ for WLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 9576-9584	7.1	10
522	A New Near-Infrared Long Persistent Luminescence Material with Its Outstanding Persistent Luminescence Performance and Promising Multifunctional Application Prospects. <i>Advanced Optical Materials</i> , 2020 , 8, 2000097	8.1	33
521	Pressure-Driven Eu ²⁺ -Doped BaLi ₂ Al ₂ Si ₂ N ₆ : A New Color Tunable Narrow-Band Emission Phosphor for Spectroscopy and Pressure Sensor Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 2001384	15.6	21
520	Full-visible-spectrum lighting realized by a novel Eu ²⁺ -doped cyan-emitting borosilicate phosphor. <i>CrystEngComm</i> , 2020 , 22, 4702-4709	3.3	6
519	Controlling the color with different excitations in a dysprosium-activated apatite oxynitride phosphor. <i>Ceramics International</i> , 2020 , 46, 15242-15248	5.1	2
518	A KScSiO:Eu based phosphor with broad-band NIR emission and robust thermal stability for NIR pc-LEDs. <i>Chemical Communications</i> , 2020 , 56, 4644-4647	5.8	31

517	Facile Fabrication of a Novel Au/Phosphorus-Doped g-C ₃ N ₄ Photocatalyst with Excellent Visible Light Photocatalytic Activity. <i>Catalysts</i> , 2020 , 10, 701	4	11
516	Structural, optical properties, energy transfer mechanism and quantum cutting of Tb ³⁺ doped ZnS quantum dots. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 147, 109638	3.9	11
515	Structural analysis of Zirconium phosphate/cerium phosphate/graphene oxide nanocomposites with flame-retardant properties in polyvinyl alcohol. <i>New Journal of Chemistry</i> , 2020 , 44, 4568-4577	3.6	7
514	An Ultraviolet-Visible and Near-Infrared-Responded Broadband NIR Phosphor and Its NIR Spectroscopy Application. <i>Advanced Optical Materials</i> , 2020 , 8, 1902003	8.1	78
513	New whitlockite-type structure material Sr ₉ Y(PO ₄) ₇ and its Eu ²⁺ doped green emission properties under NUV light. <i>Journal of Luminescence</i> , 2020 , 221, 117114	3.8	5
512	Eu ²⁺ -doped ultra-broadband VIS-NIR emitting phosphor. <i>Chemical Engineering Journal</i> , 2020 , 388, 124231-7	14.7	38
511	Luminescence properties of Ca ₂ Sn ₂ Al ₂ O ₉ : Mn as a long afterglow and field-emission displays material with high yellow color purity. <i>Journal of Alloys and Compounds</i> , 2020 , 824, 153931	5.7	7
510	New phenomena of photo-luminescence and persistent luminescence of a Eu,Tb codoped CaBaPO phosphor under high hydrostatic pressure. <i>Dalton Transactions</i> , 2020 , 49, 8056-8059	4.3	8
509	A novel yellow-green emitting phosphor with hafnium silicon multiple rings structure for light-emitting diodes and field emission displays. <i>Chemical Engineering Journal</i> , 2020 , 385, 123392	14.7	25
508	Efficient photocatalytic degradation of toxic Alizarin yellow R dye from industrial wastewater using biosynthesized Fe nanoparticle and study of factors affecting the degradation rate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 202, 111682	6.7	36
507	Crystal structure refinement, photoluminescence properties and energy transfer of multicolor tunable CaAlSiO:Tm, Dy for NUV white-light-emitting diodes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 229, 117942	4.4	9
506	A novel tunable extra-broad yellow-emitting nitride phosphor with zero-thermal-quenching property. <i>Chemical Engineering Journal</i> , 2020 , 386, 124004	14.7	36
505	A novel germanate based red-emitting phosphor with high efficiency, high color purity and thermal stability for white light-emitting diodes and field emission displays. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1034-1045	6.8	22
504	Efficient and Tunable 1.6- μ m MgO:PPLN Optical Parametric Oscillator Pumped by Nd:YVO ₄ /YVO ₄ Raman Laser. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-7	1.8	2
503	Dual-emitting CsPbX ₃ @ZJU-28 (X=F, Cl, Br, I) composites with enhanced stability and unique optical properties for multifunctional applications. <i>Chemical Engineering Journal</i> , 2020 , 391, 123622	14.7	37
502	A facile and green strategy to simultaneously enhance the flame retardant and mechanical properties of poly(vinyl alcohol) by introduction of a bio-based polyelectrolyte complex formed by chitosan and phytic acid. <i>Dalton Transactions</i> , 2020 , 49, 11226-11237	4.3	9
501	A novel green-emitting luminescent materials with broad-band emission for high-quality warm white LED indoor lighting. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6424-6434	3.8	3
500	Energy transfer and photo/cathodoluminescence performances investigation of a luminescent material Ce ³⁺ /Tb ³⁺ co-doped Na ₂ Ca ₂ Si ₂ O ₇ for multifunctional applications. <i>Journal of Alloys and Compounds</i> , 2020 , 847, 156530	5.7	5

499	A Novel Similarity Measurement and Clustering Framework for Time Series Based on Convolution Neural Networks. <i>IEEE Access</i> , 2020 , 8, 173158-173168	3.5	9
498	Water triggered interfacial synthesis of highly luminescent CsPbX ₃ :Mn ²⁺ quantum dots from nonluminescent quantum dots. <i>Nano Research</i> , 2020 , 13, 3387-3395	10	15
497	Green and Facile Fabrication of Zirconium Phosphate-Based Core-Multishell Nanoparticles for Enhancing Fire Retardant Performance of Poly(vinyl alcohol). <i>ACS Applied Nano Materials</i> , 2020 , 3, 8708-8718	5.6	7
496	Promotion of efficiency and thermal stability by restraining dynamic energy migration based on the highly symmetric rigid structure in the n-UV excitation green emission garnet phosphors. <i>Chemical Engineering Journal</i> , 2020 , 381, 122528	14.7	12
495	Systemic development of a Bismuth-containing multifunctional phosphate for field emission displays and thermochromic applications. <i>Chemical Engineering Journal</i> , 2020 , 381, 122610	14.7	7
494	A terbium activated multicolour photoluminescent phosphor for luminescent anticounterfeiting. <i>Journal of Rare Earths</i> , 2020 , 38, 1039-1043	3.7	11
493	New strategy of designing a novel yellow-emitting phosphor Na ₄ Hf ₂ Si ₃ O ₁₂ :Eu ²⁺ for multifunctional applications. <i>Journal of Alloys and Compounds</i> , 2020 , 817, 152762	5.7	8
492	A flame-retardant DOPO-MgAl-LDH was prepared and applied in poly (methyl methacrylate) resin. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 73-85	3.2	11
491	Controlling the nucleation process of InP/ZnS quantum dots using zeolite as a nucleation site. <i>CrystEngComm</i> , 2020 , 22, 3474-3481	3.3	3
490	Collisional processes between the Qiangtang Block and the Lhasa Block: Insights from structural analysis of the BangongNujiang Suture Zone, central Tibet. <i>Geological Journal</i> , 2019 , 54, 946-960	1.7	11
489	Fabric Circuit Board Connecting to Flexible Sensors or Rigid Components for Wearable Applications. <i>Sensors</i> , 2019 , 19,	3.8	9
488	Insights into a novel garnet-based yellowish-green phosphor: structure, luminescence properties and application for warm white light-emitting diodes. <i>CrystEngComm</i> , 2019 , 21, 6100-6108	3.3	7
487	Modifying the Electronic Trap Distribution in Ba ₂ Zr ₂ Si ₃ O ₁₂ :Eu ²⁺ ,Nd ³⁺ via Regulating the Composition of Matrix Elements. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24409-24416	3.8	2
486	Enhanced optical temperature sensing and upconversion emissions based on the Mn ²⁺ codoped NaGdF ₄ :Yb ³⁺ ,Ho ³⁺ nanophosphor. <i>New Journal of Chemistry</i> , 2019 , 43, 5011-5019	3.6	21
485	Mechanism analysis of a narrow-band ultra-bright green phosphor with its prospect in white light-emitting diodes and field emission displays. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2257-2266	7.1	20
484	Structural design of new Ce ³⁺ /Eu ²⁺ -doped or co-doped phosphors with excellent thermal stabilities for WLEDs. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1792-1820	7.1	60
483	Density-functional theory calculations, luminescence properties and fluorescence ratiometric thermo-sensitivity for a novel borate based red phosphor: NaBaSc(BO ₃) ₂ :Ce ³⁺ ,Mn ²⁺ . <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1982-1990	7.1	30
482	The fluorescence self-healing mechanism and temperature-sensitive properties of a multifunctional phosphosilicate phosphor. <i>Journal of Materials Science</i> , 2019 , 54, 6434-6450	4.3	5

481	Identifying a Cyan Ultralong Persistent Phosphorescence (Ba, Li) (Si, Ge, P) ₂ O ₅ :Eu ²⁺ , Pr ³⁺ via Solid Solution Strategy. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 3102-3109	3.8	12
480	Highly Eu ions doped novel red emission solid solution phosphors CaLi(Bi,Eu)(PO) ₃ : structure design, characteristic luminescence and abnormal thermal quenching behavior investigation. <i>Dalton Transactions</i> , 2019 , 48, 1624-1632	4.3	40
479	A broad-range temperature sensor dependent on the magnetic and optical properties of SrF ₂ :Yb ³⁺ , Ho ³⁺ . <i>CrystEngComm</i> , 2019 , 21, 1452-1457	3.3	7
478	Designing a novel red to near-infrared persistent phosphor CaMgGeO:Mn,Sm based on a vacuum referred binding energy diagram. <i>Dalton Transactions</i> , 2019 , 48, 11052-11062	4.3	19
477	Activating persistent luminescence and thermal stability of K ₂ Ba ₇ Si ₁₆ O ₄₀ : Eu ²⁺ via traps modulation. <i>Journal of Alloys and Compounds</i> , 2019 , 801, 295-301	5.7	3
476	Promising color controllable phosphors CBSOCN :Eu ²⁺ with excellent thermal stability. <i>Materials and Design</i> , 2019 , 180, 107865	8.1	2
475	Effect of Mn on Upconversion Emission, Thermal Sensing and Optical Heater Behavior of Yb - Er Codoped NaGdF Nanophosphors. <i>Frontiers in Chemistry</i> , 2019 , 7, 425	5	12
474	Spatially separated CdS hollow spheres with interfacial charge transfer and cocatalyst for enhancing photocatalytic hydrogen evolution. <i>Molecular Catalysis</i> , 2019 , 474, 110418	3.3	8
473	SrLiScBO:Ce/Tb: A Green-Emitting Phosphor with High Energy Transfer Efficiency and Stability for LEDs and FEDs. <i>Inorganic Chemistry</i> , 2019 , 58, 7440-7452	5.1	51
472	Insight into a novel rare-earth-free red-emitting phosphor Li ₃ Mg ₂ NbO ₆ :Mn ⁴⁺ : Structure and luminescence properties. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 6724-6731	3.8	19
471	Ca ₂ Na ₂ La ₆ (SiO ₄) ₄ (PO ₄) ₂ O: Eu ²⁺ /Eu ³⁺ : A visual dual-emitting fluorescent ratiometric temperature sensor. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5443-5453	3.8	11
470	Photoluminescence properties of Eu ²⁺ -doped microporous zeolite SSZ-39 with color tunable emission. <i>Journal of Luminescence</i> , 2019 , 211, 62-68	3.8	3
469	A novel blue-emitting Eu ²⁺ -doped chlorine silicate phosphor with a narrow band for illumination and displays: structure and luminescence properties. <i>CrystEngComm</i> , 2019 , 21, 3660-3667	3.3	13
468	First-principles calculations, structure research and luminescence properties for a novel apatite blue/green phosphor Ca ₆ Y ₄ (SiO ₄) ₂ (PO ₄) ₄ O ₂ :Eu ²⁺ /Tb ³⁺ . <i>Journal of Luminescence</i> , 2019 , 211, 276-283	3.8	4
467	Targeting inside charge carriers transfer of photocatalyst: Selective deposition of Ag ₂ O on BiVO ₄ with enhanced UV-vis-NIR photocatalytic oxidation activity. <i>Applied Catalysis B: Environmental</i> , 2019 , 251, 220-228	21.8	34
466	Crystal structure and photo-luminescence of Gd ₃ Ga ₂ (Al _{3-y} Si _y)(O _{12-y} N _y):Ce ³⁺ phosphors for AC-warm LEDs. <i>Chemical Engineering Journal</i> , 2019 , 368, 924-932	14.7	15
465	Synthesis, characterization and application of red-emitting CuInS ₂ /ZnS quantum dots for warm white light-emitting diodes. <i>Dyes and Pigments</i> , 2019 , 165, 273-278	4.6	16
464	Enhanced acetone sensor based on Au functionalized In-doped ZnSnO nanofibers synthesized by electrospinning method. <i>Journal of Colloid and Interface Science</i> , 2019 , 543, 285-299	9.3	32

- 463 New morphological development in Gd₆O₅F₈:Yb³⁺,Tm³⁺ micro-particles and up-conversion luminescence property. *Dyes and Pigments*, **2019**, 161, 89-96 4.6 2
- 462 Design of a novel scandium silicate based blue-emitting phosphor with high efficiency and robust thermal stability for warm WLEDs and field emission displays. *Materials Chemistry Frontiers*, **2019**, 3, 2120-2127¹³ 7.8
- 461 lncRNA H19 Alleviated Myocardial I/RI via Suppressing miR-877-3p/Bcl-2-Mediated Mitochondrial Apoptosis. *Molecular Therapy - Nucleic Acids*, **2019**, 17, 297-309 10.7 53
- 460 Eco-friendly flame retardant coating deposited on cotton fabrics from bio-based chitosan, phytic acid and divalent metal ions. *International Journal of Biological Macromolecules*, **2019**, 140, 303-310 7.9 46
- 459 Tungsten-based photocatalysts with UV-Vis-NIR photocatalytic capacity: progress and opportunity. *Tungsten*, **2019**, 1, 247-257 4.6 6
- 458 Photosensitizer coated upconversion nanoparticles for triggering reactive oxygen species under 980 nm near-infrared excitation. *Journal of Materials Chemistry B*, **2019**, 7, 7306-7313 7.3 10
- 457 Near-white photoluminescence in paramagnetic Gd₆O₅F₈ nanoparticles. *CrystEngComm*, **2019**, 21, 6313-6318 5.3
- 456 Novel highly efficient blue-emitting SrHfSi₂O₇:Eu²⁺ phosphor: A potential color converter for WLEDs and FEDs. *Dyes and Pigments*, **2019**, 163, 168-175 4.6 13
- 455 Synthesis and luminescent properties investigation of novel red emission phosphors Ca₇Zn₂(PO₄)₆: Re³⁺ (Re = Eu, Sm and Pr). *Journal of Molecular Structure*, **2019**, 1181, 203-208 3.4 6
- 454 The mechanism of N-vacancy defects self-activated light emitting based on CaMg₂N₂. *Journal of Luminescence*, **2019**, 208, 388-393 3.8 5
- 453 Photoluminescence and cathodoluminescence properties of novel rare-earth free narrow-band bright green-emitting ZnB₂O₄:Mn²⁺ phosphor for LEDs and FEDs. *Chemical Engineering Journal*, **2019**, 361, 314-321 14.7 45
- 452 Encapsulating all-inorganic perovskite quantum dots into mesoporous metal organic frameworks with significantly enhanced stability for optoelectronic applications. *Chemical Engineering Journal*, **2019**, 358, 30-39 14.7 95
- 451 Solid-State Carbon Dots with Efficient Cyan Emission towards White Light-Emitting Diodes. *Chemistry - an Asian Journal*, **2019**, 14, 286-292 4.5 6
- 450 An upconversion luminescence and temperature sensor based on Yb/Er co-doped GdSrAlO₄. *RSC Advances*, **2018**, 8, 9512-9518 3.7 19
- 449 An isolated deep-trap phosphor for optical data storage. *Ceramics International*, **2018**, 44, 10010-10014 5.1 21
- 448 Site occupation and energy transfer of Ce³⁺-activated lithium nitridosilicate Li₂SrSi₂N₄ with broad-yellow-light-emitting property and excellent thermal stability. *Journal of Materials Chemistry C*, **2018**, 6, 3435-3444 7.1 21
- 447 NaBaY(BO₃)₂:Ce³⁺,Tb³⁺: A novel sharp green-emitting phosphor used for WLED and FEDs. *Journal of the American Ceramic Society*, **2018**, 101, 4560-4571 3.8 42
- 446 H₂ Evolution over g-C₃N₄/CsxWO₃ under NIR light. *Applied Catalysis B: Environmental*, **2018**, 228, 75-86 21.8 42

445	Structure, bandgap, photoluminescence evolution and thermal stability improved of Sr replacement apatite phosphors Ca _{10-x} Sr _x (PO ₄) ₆ F ₂ :Eu ²⁺ (x = 4, 6, 8). <i>Dyes and Pigments</i> , 2018 , 152, 75-84	4.6	22
444	Applicability Evaluation of Bright Green-Emitting Carbon Dots in the Solid State for White Light-Emitting Diodes. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 292-298	4.5	20
443	Efficient Down- and Up-Conversion Luminescence in Er ³⁺ /Yb ³⁺ Co-doped Y ₇ O ₆ F ₉ for Photovoltaics. <i>ACS Applied Energy Materials</i> , 2018 , 1, 447-454	6.1	29
442	A temperature sensor based on the enhanced upconversion luminescence of Li doped NaLuF ₄ :Yb,Tm/Er nano/microcrystals. <i>Dalton Transactions</i> , 2018 , 47, 8656-8662	4.3	30
441	Design, synthesis and characterization of a novel bluish-green long-lasting phosphorescence phosphor BaLuSiO ₄ :Eu, Nd.. <i>RSC Advances</i> , 2018 , 8, 10246-10254	3.7	13
440	A broad band yellow-emitting Sr ₈ CaBi(PO ₄) ₇ :Eu ²⁺ phosphor for n-UV pumped white light emitting devices. <i>Dyes and Pigments</i> , 2018 , 149, 268-275	4.6	22
439	How to tune trap properties of persistent phosphor: Photostimulated persistent luminescence of NaLuGeO ₄ :Bi ³⁺ ,Cr ³⁺ tailored by trap engineering. <i>Materials Research Bulletin</i> , 2018 , 97, 251-259	5.1	24
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436	Fabrication of selective interface of ZnO/CdS heterostructures for more efficient photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , 2018 , 47, 12162-12171	4.3	10
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424	A potential temperature-sensitive fluorescent material based on thermal coupling effect for temperature sensors. <i>Energy</i> , 2018 , 159, 429-439	7.9	8
423	Efficient and controllable photoluminescence in novel solid solution $\text{Ca}_{1-x}\text{Sr}_x\text{Hf}_4(\text{PO}_4)_6:\text{Eu}^{2+}$ phosphors with high thermal stability for white light emitting diodes. <i>CrystEngComm</i> , 2018 , 20, 4383-4394	3.3	28
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321	Synthesis and luminescence properties of a novel red-emitting LiSr ₄ (BN ₂) ₃ :Eu(2+) phosphor. <i>Dalton Transactions</i> , 2015 , 44, 14507-13	4.3	12
320	Novel red and green emitting Li ₂ SiN ₂ :Eu ³⁺ /Tb ³⁺ phosphors with a broad charge transfer band. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8542-8549	7.1	23

3 ¹⁹	A blue-emitting Sc silicate phosphor for ultraviolet excited light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 27292-9	3.6	24
3 ¹⁸	Preparation, structural and photoluminescence characteristics of novel red emitting Mg ₇ Ga ₂ GeO ₁₂ :Mn ⁴⁺ phosphor. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 734-740	5.7	38
3 ¹⁷	How to induce highly efficient long-lasting phosphorescence in a lamp with a commercial phosphor: a facile method and fundamental mechanisms. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8030-8038	7.1	28
3 ¹⁶	Enhancing the emission intensity and decreasing the full widths at half maximum of Ba ₃ Si ₆ O ₁₂ N ₂ :Eu(2+) by Mg(2+) doping. <i>Dalton Transactions</i> , 2015 , 44, 10321-9	4.3	21
3 ¹⁵	Luminescent and magnetic properties of the afterglow phosphors GdSr ₂ AlO ₅ :RE ³⁺ (RE ³⁺ = Eu ³⁺ , Sm ³⁺ , Pr ³⁺ and Dy ³⁺). <i>RSC Advances</i> , 2015 , 5, 20884-20889	3.7	16
3 ¹⁴	Photoluminescent properties of Pr ³⁺ activated Y ₂ WO ₆ for light emitting diodes. <i>Optical Materials</i> , 2015 , 42, 385-389	3.3	16
3 ¹³	Rare-earth free narrow-band green-emitting KAlSi ₂ O ₆ :Mn ²⁺ phosphor excited by blue light for LED-phosphor material. <i>RSC Advances</i> , 2015 , 5, 30001-30004	3.7	16
3 ¹²	The structure, photoluminescence and influence of temperature on energy transfer in co-doped Ca ₉ La(GeO ₄) _{0.75} (PO ₄) ₆ red-emission phosphors. <i>Dalton Transactions</i> , 2015 , 44, 9241-50	4.3	14
3 ¹¹	Size/morphology induced tunable luminescence in upconversion crystals: ultra-strong single-band emission and underlying mechanisms. <i>Nanoscale</i> , 2015 , 7, 9552-7	7.7	14
3 ¹⁰	The investigation on the relationship between the R/O ratio of Eu ³⁺ in orthophosphates and the excitation wavelengths. <i>Materials Research Bulletin</i> , 2015 , 70, 519-523	5.1	1
3 ⁰⁹	Photoluminescence properties of color-tunable KLaSiO ₄ :Ce ³⁺ ,Mn ²⁺ phosphors. <i>Journal of Rare Earths</i> , 2015 , 33, 480-485	3.7	10
3 ⁰⁸	Structure and luminescence properties of a novel yellow super long-lasting phosphate phosphor Ca ₆ BaP ₄ O ₁₇ :Eu ²⁺ ,Ho ³⁺ . <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5844-5850	7.1	61
3 ⁰⁷	Synthesis, structure, and luminescence properties of SrSiAl ₂ O ₃ N ₂ :Eu(2+) phosphors for light-emitting devices and field emission displays. <i>Dalton Transactions</i> , 2015 , 44, 11057-66	4.3	56
3 ⁰⁶	Effect of a solid solution of AlN on the crystal structure and optical properties of LiSi ₂ N ₃ :Eu phosphors. <i>RSC Advances</i> , 2015 , 5, 31255-31261	3.7	2
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3 ⁰⁴	The crystal structure and upconversion properties of Yb ³⁺ , Er ³⁺ /Ho ³⁺ codoped BaLiF ₃ microcrystals with different morphologies. <i>Dalton Transactions</i> , 2015 , 44, 6242-8	4.3	11
3 ⁰³	Controlling and revealing the trap distributions of Ca ₆ BaP ₄ O ₁₇ :Eu ²⁺ ,R ³⁺ (R = Dy, Tb, Ce, Gd, Nd) by codoping different trivalent lanthanides. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11212-11218	7.1	38
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297	Visible Light-Driven Photocatalytic Activity of Oleic Acid-Coated TiO_2 Nanoparticles Synthesized from Absolute Ethanol Solution. <i>Nanoscale Research Letters</i> , 2015 , 10, 415	5	12
296	Photoluminescence and cathodoluminescence properties of $\text{Na}_2\text{MgGeO}_4:\text{Mn}^{2+}$ green phosphors. <i>RSC Advances</i> , 2015 , 5, 104708-104714	3.7	16
295	Structure, luminescence property and abnormal energy transfer behavior of color-adjustable $\text{Ca}_3\text{Hf}_2\text{SiAl}_2\text{O}_{12}:\text{Ce}^{3+},\text{Mn}^{2+}$ phosphors. <i>RSC Advances</i> , 2015 , 5, 98709-98716	3.7	12
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289	Synthesis and Luminescent Properties of the $\text{Li}_{0.995-x}\text{Mg}_x\text{Si}_2\text{Al}_x\text{N}_3:\text{Eu}^{2+}0.005$ Phosphors. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2523-2527	3.8	6
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203	One-pot solvothermal synthesis of ZnSe/xN ₂ H ₄ /GS and ZnSe/N-GS and enhanced visible-light photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8414-22	9.5	32
202	Violet/blue up conversion photostimulated luminescence properties and first principles calculations of a novel un-doped CaZrO ₃ phosphor for application in optical storage. <i>Journal of Alloys and Compounds</i> , 2013 , 550, 451-458	5.7	41
201	Roles of Cr ³⁺ doping and oxygen vacancies in SrTiO ₃ photocatalysts with high visible light activity for NO removal. <i>Journal of Catalysis</i> , 2013 , 297, 65-69	7.3	73
200	Warm-white-light emission from Eu ²⁺ /Mn ²⁺ -coactivated NaSrPO ₄ phosphor through energy transfer. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 175-180	3.9	20
199	Up-conversion luminescence and near-infrared quantum cutting in Y ₆ O ₅ F ₈ :RE ³⁺ (RE = Yb, Er, and Ho) with controllable morphologies by hydrothermal synthesis. <i>Dalton Transactions</i> , 2013 , 42, 3542-51	4.3	38
198	Structure, enhancement and white luminescence of multifunctional Lu ₂ O ₃ :20%Yb ³⁺ ,1%Er ³⁺ (Tm ³⁺) nanoparticles via further doping with Li ⁺ under different excitation sources. <i>Nanoscale</i> , 2013 , 5, 2491-504	7.7	45
197	Synthesis and luminescent properties of Ca ₂ La ₈ (GeO ₄) ₆ O ₂ :RE ³⁺ (RE ³⁺ =Eu ³⁺ , Tb ³⁺ , Dy ³⁺ , Sm ³⁺ , Tm ³⁺) phosphors. <i>Journal of Luminescence</i> , 2013 , 144, 64-68	3.8	34
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192	Self-activated afterglow luminescence of un-doped Ca ₂ ZrSi ₄ O ₁₂ material and explorations of new afterglow phosphors in a rare earth element-doped Ca ₂ ZrSi ₄ O ₁₂ system. <i>Materials Chemistry and Physics</i> , 2013 , 141, 495-501	4.4	21
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189	Shape-controllable synthesis and morphology-dependent photocatalytic properties of Ag ₃ PO ₄ crystals. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4651	13	132
188	Investigation on Energy Transfer and Luminescent Properties of K ₃ Gd(PO ₄) ₂ :RE ³⁺ (RE ³⁺ =Eu, Tb) Under UV and VUV Excitation. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2257-2263	3.8	18
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185	Synthesis and luminescent properties of a white light phosphor KBa ₂ Nb ₅ O ₁₅ :Na ⁺ , Dy ³⁺ for light-emitting-devices. <i>Materials Research Bulletin</i> , 2013 , 48, 3648-3650	5.1	19
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183	Ag ₃ PO ₄ /reduced graphite oxide sheets nanocomposites with highly enhanced visible light photocatalytic activity and stability. <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 45-53	21.8	166
182	Color-tunable LaCaAl ₃ O ₇ :Ce ³⁺ , Tb ³⁺ phosphors for UV light-emitting diodes. <i>Materials Research Bulletin</i> , 2013 , 48, 114-117	5.1	21
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