

Yuhua Wang

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570
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13,296
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ext. papers

15,497
ext. citations

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#	Paper	IF	Citations
570	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
569	Large-Scale and Controllable Synthesis of Graphene Quantum Dots from Rice Husk Biomass: A Comprehensive Utilization Strategy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1434-9	9.5	162
568	Rare-Earth-Free High-Efficiency Narrow-Band Red-Emitting Mg ₃ Ga ₂ GeO ₈ :Mn ⁴⁺ Phosphor Excited by Near-UV Light for White-Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2016 , 55, 154-62	5.1	139
567	Synthesis, crystal structure and luminescence characteristics of a novel red phosphor Ca ₁₉ Mg ₂ (PO ₄) ₁₄ :Eu ³⁺ for light emitting diodes and field emission displays. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5960	7.1	138
566	Highly dispersive {001} facets-exposed nanocrystalline TiO ₂ on high quality graphene as a high performance photocatalyst. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7484		134
565	Recent development in rare earth doped phosphors for white light emitting diodes. <i>Journal of Rare Earths</i> , 2015 , 33, 1-12	3.7	133
564	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
563	Design, synthesis and characterization of a novel yellow long-persistent phosphor: Ca ₂ BO ₃ Cl:Eu ²⁺ ,Dy ³⁺ . <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3004	7.1	127
562	Review of Flexible Temperature Sensing Networks for Wearable Physiological Monitoring. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601371	10.1	124
561	Identification of charge transfer (CT) transition in (Gd,Y)BO ₃ :Eu phosphor under 100-300nm. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 2242-2248	3.3	121
560	A facile one-step solvothermal synthesis of graphene/rod-shaped TiO ₂ nanocomposite and its improved photocatalytic activity. <i>Nanoscale</i> , 2012 , 4, 4641-9	7.7	109
559	A Potential Red-Emitting Phosphor BaZrGeO:Eu for WLED and FED Applications: Synthesis, Structure, and Luminescence Properties. <i>Inorganic Chemistry</i> , 2017 , 56, 6990-6998	5.1	102
558	Oxygen vacancies confined in SnO ₂ nanoparticles for desirable electronic structure and enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , 2017 , 420, 399-406	6.7	100
557	Near-infrared quantum cutting in YPO ₄ :Yb ³⁺ , Tm ³⁺ via cooperative energy transfer. <i>Applied Physics Letters</i> , 2009 , 94, 061905	3.4	100
556	Structure, photoluminescence and abnormal thermal quenching behavior of Eu ²⁺ -doped Na ₃ Sc ₂ (PO ₄) ₃ : a novel blue-emitting phosphor for n-UV LEDs. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8795-8801	7.1	99
555	Ca ₂ Al ₂ SiO ₇ :Ce ³⁺ , Tb ³⁺ : A White-Light Phosphor Suitable for White-Light-Emitting Diodes. <i>Journal of the Electrochemical Society</i> , 2009 , 156, J117	3.9	98
554	Warm white light generation from a single phase Dy ³⁺ doped Mg ₂ Al ₄ Si ₅ O ₁₈ phosphor for white UV-LEDs. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 11597-602	3.6	96

553	Encapsulating all-inorganic perovskite quantum dots into mesoporous metal organic frameworks with significantly enhanced stability for optoelectronic applications. <i>Chemical Engineering Journal</i> , 2019 , 358, 30-39	14.7	95
552	Synthesis and photoluminescence of Eu ³⁺ -doped (Y,Gd)BO ₃ phosphors by a mild hydrothermal process. <i>Journal of Crystal Growth</i> , 2004 , 268, 568-574	1.6	93
551	High Quantum Yield Green-Emitting Carbon Dots for Fe ³⁺ Detection, Biocompatible Fluorescent Ink and Cellular Imaging. <i>Scientific Reports</i> , 2017 , 7, 14866	4.9	91
550	RGO/Ag ₂ S/TiO ₂ ternary heterojunctions with highly enhanced UV-NIR photocatalytic activity and stability. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 593-601	21.8	90
549	A Garnet-Based CaYZrAlO:Eu Red-Emitting Phosphor for n-UV Light Emitting Diodes and Field Emission Displays: Electronic Structure and Luminescence Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 11072-11077	5.1	85
548	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
547	Red-emitting oxonitridosilicate phosphors Sr ₂ SiNzO ₄ 1.5z:Eu ²⁺ for white light-emitting diodes: structure and luminescence properties. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1407	7.1	76
546	Construction of a well-dispersed Ag/graphene-like g-C ₃ N ₄ photocatalyst and enhanced visible light photocatalytic activity. <i>RSC Advances</i> , 2017 , 7, 8688-8693	3.7	75
545	Synthesis, Structure, and Photoluminescence Properties of Ce ³⁺ -Doped Ca ₂ YZr ₂ Al ₃ O ₁₂ : A Novel Garnet Phosphor for White LEDs. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16208-16214	3.8	75
544	Tunable luminescence YAlO ₃ :0.06Ce ³⁺ , xMn ²⁺ phosphors with different charge compensators for warm white light emitting diodes. <i>Optics Express</i> , 2012 , 20, 21656-64	3.3	75
543	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
542	Effect of oxygen vacancies on the red phosphorescence of Sr ₂ SnO ₄ :Sm ³⁺ phosphor. <i>Optics Express</i> , 2010 , 18, 16989-94	3.3	73
541	How to design ultraviolet emitting persistent materials for potential multifunctional applications: a living example of a NaLuGeO ₄ :Bi ³⁺ ,Eu ³⁺ phosphor. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4310-4318	7.1	71
540	Rare-earth-free red-emitting K ₂ Ge ₄ O ₉ :Mn(4+) phosphor excited by blue light for warm white LEDs. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8088-97	3.6	71
539	Spy Must Be Spotted: A Multistimuli-Responsive Luminescent Material for Dynamic Multimodal Anticounterfeiting and Encryption. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21451-21457	9.5	70
538	Facile synthesis and optical properties of nitrogen-doped carbon dots. <i>New Journal of Chemistry</i> , 2014 , 38, 1522	3.6	70
537	Luminescence properties of nanocrystalline YVO ₄ :Eu ³⁺ under UV and VUV excitation. <i>Materials Research Bulletin</i> , 2006 , 41, 2147-2153	5.1	70
536	Enhanced photoluminescence and thermal properties of size mismatch in Sr(2.97-x-y)Eu _{0.03} Mg(x)Ba(y)SiO ₅ for high-power white light-emitting diodes. <i>Inorganic Chemistry</i> , 2014 , 53, 2195-9	5.1	69

535	Enhanced Yellow-to-Orange Emission of Si-Doped Mg ₃ Y ₂ Ge ₃ O ₁₂ :Ce ³⁺ Garnet Phosphors for Warm White Light-Emitting Diodes. <i>Journal of the Electrochemical Society</i> , 2010 , 157, J155	3.9	69
534	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
533	Crystal structure and up- and down-conversion properties of Yb ³⁺ , Ho ³⁺ codoped BaGdF ₅ solid-solution with different morphologies. <i>CrystEngComm</i> , 2012 , 14, 3131	3.3	61
532	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
531	Design and Development of a Bluish-Green Luminescent Material (K ₂ HfSi ₃ O ₉ :Eu ²⁺) with Robust Thermal Stability for White Light-Emitting Diodes. <i>ACS Photonics</i> , 2018 , 5, 3801-3813	6.3	59
530	A single-component white-emitting CaSr ₂ Al ₂ O ₆ :Ce ³⁺ , Li ⁺ , Mn ²⁺ phosphor via energy transfer. <i>Inorganic Chemistry</i> , 2014 , 53, 7668-75	5.1	58
529	Cyan emissive super-persistent luminescence and thermoluminescence in BaZrSi ₃ O ₉ :Eu ²⁺ ,Pr ³⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2844-2851	7.1	57
528	Deep red phosphors SrAl ₁₂ O ₁₉ :Mn ⁴⁺ ,M (M = Li ⁺ , Na ⁺ , K ⁺ , Mg ²⁺) for high colour rendering white LEDs. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 1433-1437	1.6	57
527	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
526	Design, synthesis and characterization of an orange-yellow long persistent phosphor: Sr ₃ Al ₂ O ₅ Cl ₂ :Eu(2+),Tm(3+). <i>Optics Express</i> , 2010 , 18, 24853-8	3.3	56
525	The persistent luminescence and up conversion photostimulated luminescence properties of nondoped Mg ₂ SnO ₄ material. <i>Journal of Applied Physics</i> , 2010 , 108, 123518	2.5	56
524	Comparison of photocatalytic reaction-induced selective corrosion with photocorrosion: Impact on morphology and stability of Ag-ZnO. <i>Applied Catalysis B: Environmental</i> , 2017 , 201, 348-358	21.8	55
523	A novel Ce ³⁺ activated LuMgAlSiO ₇ garnet phosphor for blue chip light-emitting diodes with excellent performance. <i>Dalton Transactions</i> , 2015 , 44, 1775-81	4.3	54
522	lncRNA H19 Alleviated Myocardial I/Ri via Suppressing miR-877-3p/Bcl-2-Mediated Mitochondrial Apoptosis. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 17, 297-309	10.7	53
521	Near-ultraviolet excitable Ca ₄ Y ₆ (SiO ₄) ₆ O: Ce ³⁺ , Tb ³⁺ white phosphors for light-emitting diodes. <i>Materials Chemistry and Physics</i> , 2011 , 129, 1171-1175	4.4	53
520	Synthesis of Gd _{1-x} Eu _x Al ₃ (BO ₃) ₄ (0. <i>Journal of the Electrochemical Society</i> , 2001 , 148, G430	3.9	53
519	Ca ₈ Mg(SiO ₄) ₄ Cl ₂ :Ce ³⁺ , Tb ³⁺ : A potential single-phased phosphor for white-light-emitting diodes. <i>Journal of Luminescence</i> , 2012 , 132, 531-536	3.8	52
518	Green phosphorescence-assisted degradation of rhodamine B dyes by Ag ₃ PO ₄ . <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1123-1126	13	52

517	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
516	Effect of phase structures of TiO ₂ /Ny on the photocatalytic activity of CaAl ₂ O ₄ :(Eu, Nd)-coupled TiO ₂ /Ny. <i>Journal of Catalysis</i> , 2012 , 286, 273-278	7.3	51
515	Persistent fluorescence-assisted TiO ₂ /Ny-based photocatalyst for gaseous acetaldehyde degradation. <i>Environmental Science & Technology</i> , 2012 , 46, 7741-5	10.3	51
514	Warm white light generation from a single phased phosphor Sr ₁₀ [(PO ₄) _{5.5} (BO ₄) _{0.5}](BO ₂):Eu ²⁺ , Mn ²⁺ , Tb ³⁺ for light emitting diodes. <i>RSC Advances</i> , 2013 , 3, 9311	3.7	51
513	Ca _{1-x} Mo _{1-x} Si _y O ₄ :Eu ³⁺ : A novel red phosphor for white light emitting diodes. <i>Physica B: Condensed Matter</i> , 2008 , 403, 670-674	2.8	51
512	Synthesis, structure and photoluminescence properties of Ca ₂ LuHf ₂ (AlO ₄) ₃ :Ce ³⁺ , a novel garnet-based cyan light-emitting phosphor. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 11396-11403	7.1	49
511	Integrated Surface Modification to Enhance the Luminescence Properties of KTiF ₆ :Mn Phosphor and Its Application in White-Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29233-29237	9.5	49
510	A triboelectric textile templated by a three-dimensionally penetrated fabric. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6077-6083	13	48
509	Photo-/cathodoluminescence and energy transfer properties of novel Ce ³⁺ singly doped and Ce ³⁺ /Tb ³⁺ codoped NaBaScSi ₂ O ₇ phosphors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3304-3312	7.1	48
508	Preparation of Sr _{1-x} CaxYSi ₄ N ₇ :Eu ²⁺ solid solutions and their luminescence properties. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4476-4481	7.1	48
507	Efficient persistent photocatalytic decomposition of nitrogen monoxide over a fluorescence-assisted CaAl ₂ O ₄ :(Eu, Nd)/(Ta, N)-codoped TiO ₂ /Fe ₂ O ₃ . <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 487-492	21.8	48
506	Self-Purification-Dependent Unique Photoluminescence Properties of YBO ₃ :Eu ³⁺ Nanophosphors under VUV Excitation. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9245-9250	3.8	48
505	The reduction of Eu ³⁺ to Eu ²⁺ in BaMgAl ₁₀ O ₁₇ :Eu and the photoluminescence properties of BaMgAl ₁₀ O ₁₇ :Eu ²⁺ phosphor. <i>Journal of Applied Physics</i> , 2009 , 106, 053102	2.5	48
504	Characterization of Y ₂ O ₂ S:Eu ³⁺ , Mg ²⁺ , Ti ⁴⁺ Long-Lasting Phosphor Synthesized by Flux Method. <i>Journal of Rare Earths</i> , 2006 , 24, 25-28	3.7	48
503	Superlong and Color-Tunable Red Persistent Luminescence and Photostimulated Luminescence Properties of NaCaGeOF:Mn,Yb Phosphor. <i>Inorganic Chemistry</i> , 2016 , 55, 12822-12831	5.1	48
502	Novel zirconium silicate phosphor K ₂ ZrSi ₂ O ₇ :Eu ²⁺ for white light-emitting diodes and field emission displays. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5307-5313	7.1	48
501	BiOCl/Ag ₃ PO ₄ Composites with Highly Enhanced Ultraviolet and Visible Light Photocatalytic Performances. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 544-548	3.8	47
500	Crystal structure and luminescence properties of a cyan emitting Ca ₁₀ (SiO ₄) ₃ (SO ₄) ₃ F ₂ :Eu ²⁺ phosphor. <i>CrystEngComm</i> , 2013 , 15, 6389	3.3	47

499	Photoluminescence properties of RE ³⁺ -activated Na ₃ GdP ₂ O ₈ (RE ³⁺ =Tb ³⁺ , Dy ³⁺ , Eu ³⁺ , Sm ³⁺) under VUV excitation. <i>Optical Materials</i> , 2011 , 33, 475-479	3.3	47
498	Eco-friendly flame retardant coating deposited on cotton fabrics from bio-based chitosan, phytic acid and divalent metal ions. <i>International Journal of Biological Macromolecules</i> , 2019 , 140, 303-310	7.9	46
497	Commendable Eu-Doped Oxide-Matrix-Based LiBa(BO)F Red Broad Emission Phosphor Excited by NUV Light: Electronic and Crystal Structures, Luminescence Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23983-23994	9.5	46
496	Preparation of an orthodontic bracket coated with an nitrogen-doped TiO _{2-x} N _y thin film and examination of its antimicrobial performance. <i>Dental Materials Journal</i> , 2013 , 32, 311-6	2.5	46
495	Ca ₅ La ₅ (SiO ₄) ₃ (PO ₄) ₃ O ₂ :Ce ³⁺ ,Mn ²⁺ : A Color-Tunable Phosphor with Efficient Energy Transfer for White-Light-Emitting Diodes. <i>Journal of the Electrochemical Society</i> , 2011 , 158, J236	3.9	46
494	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
493	Photoluminescence and cathodoluminescence properties of novel rare-earth free narrow-band bright green-emitting ZnB ₂ O ₄ :Mn ²⁺ phosphor for LEDs and FEDs. <i>Chemical Engineering Journal</i> , 2019 , 361, 314-321	14.7	45
492	Enhanced photoluminescence of YBO ₃ :Eu ³⁺ with the incorporation of Sc ³⁺ Bi ³⁺ and La ³⁺ for plasma display panel application. <i>Journal of Luminescence</i> , 2007 , 122-123, 921-923	3.8	44
491	Structure, photoluminescence and thermal properties of Ce ³⁺ , Mn ²⁺ co-doped phosphosilicate Sr ₇ La ₃ [(PO ₄) _{2.5} (SiO ₄) ₃ (BO ₄) _{0.5}](BO ₂) emission-tunable phosphor. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5850-5856	7.1	43
490	Luminescence properties of Ca ₁₀ K(PO ₄) ₇ :RE ³⁺ (RE=Ce, Tb, Dy, Tm and Sm) under vacuum ultraviolet excitation. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4649-4652	5.7	43
489	NaBaY(BO ₃) ₂ :Ce ³⁺ ,Tb ³⁺ : A novel sharp green-emitting phosphor used for WLED and FEDs. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 4560-4571	3.8	42
488	H ₂ Evolution over g-C ₃ N ₄ /Cs _x WO ₃ under NIR light. <i>Applied Catalysis B: Environmental</i> , 2018 , 228, 75-86	21.8	42
487	Preparation and drug-delivery properties of hollow YVO:Ln and mesoporous YVO:Ln@nSiO@mSiO (Ln = Eu, Yb, Er, and Ho). <i>Journal of Materials Chemistry B</i> , 2013 , 1, 330-338	7.3	42
486	Warm white light generation from Dy ³⁺ doped NaSr ₂ Nb ₅ O ₁₅ for white LEDs. <i>Materials Letters</i> , 2013 , 91, 304-306	3.3	42
485	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
484	Tunable white light of multi-cation-site Na ₂ BaCa(PO ₄) ₂ :Eu,Mn phosphor: synthesis, structure and PL/CL properties. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1184-1194	7.1	40
483	Highly Eu ions doped novel red emission solid solution phosphors CaLi(Bi,Eu)(PO): structure design, characteristic luminescence and abnormal thermal quenching behavior investigation. <i>Dalton Transactions</i> , 2019 , 48, 1624-1632	4.3	40
482	Smart window coating based on F-TiO ₂ -K _x WO ₃ nanocomposites with heat shielding, ultraviolet isolating, hydrophilic and photocatalytic performance. <i>Scientific Reports</i> , 2016 , 6, 27373	4.9	40

481	Ca _{2-x} Y _{1+x} Zr _{2-x} Al _{3+x} O ₁₂ :Ce ³⁺ : Solid Solution Design toward the Green Emission Garnet Structure Phosphor for Near-UV LEDs and Their Luminescence Properties. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27018-27028	3.8	40
480	Vacuum ultraviolet and near-infrared excited luminescence properties of Ca ₃ (PO ₄) ₂ :RE ³⁺ , Na ⁺ (RE=Tb, Yb, Er, Tm, and Ho). <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2178-2183	3.3	40
479	Synthesis, crystal structure and luminescence properties of a Y ₄ Si ₂ O ₇ N ₂ :Ce ³⁺ phosphor for near-UV white LEDs. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4967-4973	7.1	39
478	Violet blue long-lasting phosphorescence properties of Mg-doped BaZrO ₃ and its ability to assist photocatalysis. <i>Journal of Alloys and Compounds</i> , 2013 , 580, 564-569	5.7	39
477	Enhanced photocatalytic activity of (Mo,C)-codoped anatase TiO ₂ nanoparticles for degradation of methyl orange under simulated solar irradiation. <i>Journal of Materials Research</i> , 2010 , 25, 2392-2400	2.5	39
476	Luminescent properties of KGd _{1-x} (WO ₄) ₂ :Eu ³⁺ and KGd _{1-x} (WO ₄) _{2-y} (MoO ₄) _y :Eu ³⁺ phosphors in UV-UV regions. <i>Journal of Luminescence</i> , 2009 , 129, 840-843	3.8	39
475	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
474	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
473	Eu ²⁺ -doped ultra-broadband VIS-NIR emitting phosphor. <i>Chemical Engineering Journal</i> , 2020 , 388, 124231-7	14.7	38
472	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
471	Novel blue and green phosphors obtained from K ₂ ZrSi ₃ O ₉ :Eu ²⁺ compounds with different charge compensation ions for LEDs under near-UV excitation. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6676-6685	7.1	38
470	Defect states in Nd ³⁺ -doped CaAl ₂ O ₄ :Eu ²⁺ . <i>Journal of Applied Physics</i> , 2007 , 101, 053108	2.5	38
469	The dual-model up/down-conversion green luminescence of Gd ₆ O ₅ F ₈ :Yb ³⁺ ,Ho ³⁺ ,Li ⁺ and its application for temperature sensing. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7148-7155	7.1	38
468	Luminescent characteristics of Dy ³⁺ doped calcium zirconium phosphate CaZr ₄ (PO ₄) ₆ (CZP) phosphor for warm-white LEDs. <i>Journal of Luminescence</i> , 2014 , 155, 205-209	3.8	37
467	Electronic structure and photo/cathodoluminescence properties investigation of green emission phosphor NaBaScSi ₂ O ₇ :Eu ²⁺ with high thermal stability. <i>CrystEngComm</i> , 2014 , 16, 6089-6097	3.3	37
466	Combustion synthesis and optical properties of Oxy-borate phosphors YCa ₄ O(BO ₃) ₃ :RE ³⁺ (RE = Eu ³⁺ , Tb ³⁺) under UV, VUV excitation. <i>Journal of Alloys and Compounds</i> , 2014 , 585, 633-636	5.7	37
465	The relationship between photoluminescence quenching concentrations and excitation wavelengths in (Gd,Y)BO ₃ :Tb. <i>Materials Letters</i> , 2008 , 62, 202-205	3.3	37
464	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

- 463 Highly Green Emissive Nitrogen-Doped Carbon Dots with Excellent Thermal Stability for Bioimaging and Solid-State LED. *Inorganic Chemistry*, **2018**, 57, 15229-15239 5.1 37
- 462 Air-stable and water-resistant all-inorganic perovskite quantum dot films for white-light-emitting applications. *New Journal of Chemistry*, **2017**, 41, 13961-13967 3.6 36
- 461 Multiheterojunction Phototransistors Based on Graphene/PbSe Quantum Dot Hybrids. *Journal of Physical Chemistry C*, **2015**, 119, 21739-21743 3.8 36
- 460 The photoluminescence, afterglow and up conversion photostimulated luminescence of Eu³⁺ doped Mg₂SnO₄ phosphors. *Journal of Luminescence*, **2012**, 132, 23-26 3.8 36
- 459 Highly efficient cyan-emitting garnet Ca₃Hf₂SiAl₂O₁₂: xCe³⁺ phosphor for solid state white lighting. *CrystEngComm*, **2015**, 17, 3235-3242 3.3 36
- 458 An Intense Red-Emitting Phosphor YBa₃(PO₄)₃:Eu³⁺ for Near-Ultraviolet Light Emitting Diodes Application. *Electrochemical and Solid-State Letters*, **2011**, 14, H438 36
- 457 Efficient photocatalytic degradation of toxic Alizarin yellow R dye from industrial wastewater using biosynthesized Fe nanoparticle and study of factors affecting the degradation rate. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 202, 111682 6.7 36
- 456 A novel tunable extra-broad yellow-emitting nitride phosphor with zero-thermal-quenching property. *Chemical Engineering Journal*, **2020**, 386, 124004 14.7 36
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