

Yuhua Wang

List of Publications by Year in descending order

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591
papers

17,790
citations

19636

61
h-index

48277

88
g-index

604
all docs

604
docs citations

604
times ranked

10857
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1434-1439.	4.0	236
2	Review of Flexible Temperature Sensing Networks for Wearable Physiological Monitoring. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601371.	3.9	217
3	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.	10.8	186
4	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, 154-162.	1.9	176
5	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.	2.7	173
6	An Ultraviolet-Visible and Near-Infrared-Responed Broadband NIR Phosphor and Its NIR Spectroscopy Application. <i>Advanced Optical Materials</i> , 2020, 8, 1902003.	3.6	171
7	Recent development in rare earth doped phosphors for white light emitting diodes. <i>Journal of Rare Earths</i> , 2015, 33, 1-12.	2.5	164
8	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.	2.7	162
9	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.	6.6	159
10	A Potential Red-Emitting Phosphor BaZrGe ₃ O ₉ :Eu ³⁺ for WLED and FED Applications: Synthesis, Structure, and Luminescence Properties. <i>Inorganic Chemistry</i> , 2017, 56, 6990-6998.	1.9	155
11	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.	3.1	154
12	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.	6.7	153
13	Shape-controllable synthesis and morphology-dependent photocatalytic properties of Ag ₃ PO ₄ crystals. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4651.	5.2	148
14	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.	2.7	148
15	High Quantum Yield Green-Emitting Carbon Dots for Fe(†††) Detection, Biocompatible Fluorescent Ink and Cellular Imaging. <i>Scientific Reports</i> , 2017, 7, 14866.	1.6	146
16	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.	1.4	125
17	A facile one-step solvothermal synthesis of graphene/rod-shaped TiO ₂ nanocomposite and its improved photocatalytic activity. <i>Nanoscale</i> , 2012, 4, 4641.	2.8	120
18	A Garnet-Based Ca ₂ YZr ₂ Al ₃ O ₁₂ :Eu ³⁺ 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.	1.9	114

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19	Construction of a well-dispersed Ag/graphene-like g-C ₃ N ₄ photocatalyst and enhanced visible light photocatalytic activity. RSC Advances, 2017, 7, 8688-8693.	1.7	114
20	Warm white light generation from a single phase Dy ³⁺ doped Mg ₂ Al ₄ Si ₅ O ₁₈ phosphor for white UV-LEDs. Physical Chemistry Chemical Physics, 2014, 16, 11597-11602.	1.3	113
21	Ca ₂ Al ₂ Si ₇ :Ce ³⁺ , Tb ³⁺ : A White-Light Phosphor Suitable for White-Light-Emitting Diodes. Journal of the Electrochemical Society, 2009, 156, J117.	1.3	109
22	RGO/Ag ₂ S/TiO ₂ ternary heterojunctions with highly enhanced UV-NIR photocatalytic activity and stability. Applied Catalysis B: Environmental, 2017, 204, 593-601.	10.8	108
23	Near-infrared quantum cutting in YPO ₄ :Yb ³⁺ , Tm ³⁺ via cooperative energy transfer. Applied Physics Letters, 2009, 94, .	1.5	105
24	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.	3.6	103
25	Structural design of new Ce ³⁺ /Eu ²⁺ -doped or co-doped phosphors with excellent thermal stabilities for WLEDs. Journal of Materials Chemistry C, 2019, 7, 1792-1820.	2.7	101
26	Synthesis and photoluminescence of Eu ³⁺ -doped (Y,Gd)BO ₃ phosphors by a mild hydrothermal process. Journal of Crystal Growth, 2004, 268, 568-574.	0.7	100
27	How to design ultraviolet emitting persistent materials for potential multifunctional applications: a living example of a NaLuGeO ₄ :Bi ³⁺ ,Eu ³⁺ phosphor. Journal of Materials Chemistry C, 2017, 5, 4310-4318.	2.7	97
28	Spy Must Be Spotted: A Multistimuli-Responsive Luminescent Material for Dynamic Multimodal Anticounterfeiting and Encryption. ACS Applied Materials & Interfaces, 2018, 10, 21451-21457.	4.0	96
29	Synthesis, Structure, and Photoluminescence Properties of Ce ³⁺ -Doped Ca ₂ YZr ₂ Al ₃ O ₁₂ : A Novel Garnet Phosphor for White LEDs. Journal of Physical Chemistry C, 2015, 119, 16208-16214.	1.5	93
30	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. ACS Photonics, 2018, 5, 3801-3813.	3.2	87
31	Tunable luminescence Y ₃ Al ₅ O ₁₂ :0.06Ce ³⁺ , xMn ²⁺ phosphors with different charge compensators for warm white light emitting diodes. Optics Express, 2012, 20, 21656.	1.7	85
32	Roles of Cr ³⁺ doping and oxygen vacancies in SrTiO ₃ photocatalysts with high visible light activity for NO removal. Journal of Catalysis, 2013, 297, 65-69.	3.1	84
33	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.	1.7	82
34	Effect of oxygen vacancies on the red phosphorescence of Sr ₂ SnO ₄ :Sm ³⁺ phosphor. Optics Express, 2010, 18, 16989.	1.7	81
35	lncRNA H19 Alleviated Myocardial I/RI via Suppressing miR-877-3p/Bcl-2-Mediated Mitochondrial Apoptosis. Molecular Therapy - Nucleic Acids, 2019, 17, 297-309.	2.3	81
36	Red-emitting oxonitridosilicate phosphors Sr ₂ SiNzO ₄ :1.5z:Eu ²⁺ for white light-emitting diodes: structure and luminescence properties. Journal of Materials Chemistry C, 2013, 1, 1407.	2.7	80

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37	Facile synthesis and optical properties of nitrogen-doped carbon dots. <i>New Journal of Chemistry</i> , 2014, 38, 1522.	1.4	80
38	Sr ₂ LiScB ₄ O ₁₀ :Ce ³⁺ /Tb ³⁺ : A Green-Emitting Phosphor with High Energy Transfer Efficiency and Stability for LEDs and FEDs. <i>Inorganic Chemistry</i> , 2019, 58, 7440-7452.	1.9	80
39	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, 8088-8097.	1.3	78
40	Highly Eu ³⁺ ions doped novel red emission solid solution phosphors Ca ₁₈ Li ₃ (Bi,Eu)(PO ₄) ₁₄ : structure design, characteristic luminescence and abnormal thermal quenching behavior investigation. <i>Dalton Transactions</i> , 2019, 48, 1624-1632.	1.6	78
41	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.	1.3	77
42	Luminescence properties of nanocrystalline YVO ₄ :Eu ³⁺ under UV and VUV excitation. <i>Materials Research Bulletin</i> , 2006, 41, 2147-2153.	2.7	76
43	Enhanced Photoluminescence and Thermal Properties of Size Mismatch in Sr _{2.97} Eu _{0.03} Mg ₂ Ba ₂ SiO ₅ for High-Power White Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2014, 53, 2195-2199.		
44	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.	6.6	76
45	Integrated Surface Modification to Enhance the Luminescence Properties of K ₂ TiF ₆ :Mn ⁴⁺ Phosphor and Its Application in White-Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29233-29237.	4.0	74
46	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.	3.2	74
47	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.	2.7	73
48	Dual-emitting CsPbX ₃ @ZJU-28 (X=Cl, Br, I) composites with enhanced stability and unique optical properties for multifunctional applications. <i>Chemical Engineering Journal</i> , 2020, 391, 123622.	6.6	73
49	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.	3.6	73
50	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.	10.8	72
51	A novel tunable extra-broad yellow-emitting nitride phosphor with zero-thermal-quenching property. <i>Chemical Engineering Journal</i> , 2020, 386, 124004.	6.6	72
52	A triboelectric textile templated by a three-dimensionally penetrated fabric. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6077-6083.	5.2	71
53	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.	2.7	71
54	Eu ²⁺ -doped ultra-broadband VIS-NIR emitting phosphor. <i>Chemical Engineering Journal</i> , 2020, 388, 124231.	6.6	71

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55	Synthesis, structure and photoluminescence properties of $\text{Ca}_2\text{LuHf}_2(\text{AlO}_4)_3\text{Ce}_3$, a novel garnet-based cyan light-emitting phosphor. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11396-11403.	2.7	67
56	Enhanced acetone sensor based on Au functionalized In-doped ZnSnO ₃ nanofibers synthesized by electrospinning method. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 285-299.	5.0	67
57	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.	1.3	66
58	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.	2.7	66
59	A Single-Component White-Emitting $\text{CaSr}_2\text{Al}_2\text{O}_6\text{Ce}_3$, Li ⁺ , Mn ²⁺ Phosphor via Energy Transfer. <i>Inorganic Chemistry</i> , 2014, 53, 7668-7675.	1.9	65
60	Synthesis, structure, and luminescence properties of $\text{SrSiAl}_2\text{O}_3\text{N}_2\text{Eu}_2$ phosphors for light-emitting devices and field emission displays. <i>Dalton Transactions</i> , 2015, 44, 11057-11066.	1.6	65
61	Highly Green Emissive Nitrogen-Doped Carbon Dots with Excellent Thermal Stability for Bioimaging and Solid-State LED. <i>Inorganic Chemistry</i> , 2018, 57, 15229-15239.	1.9	65
62	Preparation of an orthodontic bracket coated with an nitrogen-doped TiO ₂ -xNy thin film and examination of its antimicrobial performance. <i>Dental Materials Journal</i> , 2013, 32, 311-316.	0.8	64
63	A $\text{K}_3\text{ScSi}_2\text{O}_7\text{Eu}_2$ -based phosphor with broad-band NIR emission and robust thermal stability for NIR pc-LEDs. <i>Chemical Communications</i> , 2020, 56, 4644-4647.	2.2	64
64	H ₂ Evolution over g-C ₃ N ₄ /CsxWO ₃ under NIR light. <i>Applied Catalysis B: Environmental</i> , 2018, 228, 75-86.	10.8	63
65	Pressure-Driven Eu ²⁺ -Doped $\text{BaLi}_2\text{Al}_2\text{Si}_2\text{N}_6$: A New Color Tunable Narrow-Band Emission Phosphor for Spectroscopy and Pressure Sensor Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2001384.	7.8	63
66	Superlong and Color-Tunable Red Persistent Luminescence and Photostimulated Luminescence Properties of $\text{NaCa}_2\text{GeO}_4\text{F:Mn}_2\text{,Yb}_3$ Phosphor. <i>Inorganic Chemistry</i> , 2016, 55, 12822-12831.	1.9	62
67	Commendable Eu ²⁺ -Doped Oxide-Matrix-Based $\text{LiBa}_{12}(\text{BO}_3)_7\text{F}_4$ Red Broad Emission Phosphor Excited by NUV Light: Electronic and Crystal Structures, Luminescence Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23983-23994.	4.0	61
68	Eu ²⁺ -Doped Layered Double Borate Phosphor with Ultrawide Near-Infrared Spectral Distribution in Response to Ultraviolet "Blue Light" Excitation. <i>Advanced Optical Materials</i> , 2022, 10, 2102204.	3.6	61
69	Design, synthesis and characterization of an orange-yellow long persistent phosphor: $\text{Sr}_3\text{Al}_2\text{O}_5\text{Cl}_2\text{Eu}^{2+}\text{Tm}^{3+}$. <i>Optics Express</i> , 2010, 18, 24853.	1.7	60
70	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.	10.8	60
71	Deep red phosphors $\text{SrAl}_{12}\text{O}_{19}\text{Mn}_4$, M (M = Li ⁺ , Tj) ETQq1 1 0.78431 Status Solidi (A) Applications and Materials Science, 2013, 210, 1433-1437.	0.8	59
72	A novel Ce ³⁺ activated $\text{Lu}_3\text{MgAl}_3\text{SiO}_{12}$ garnet phosphor for blue chip light-emitting diodes with excellent performance. <i>Dalton Transactions</i> , 2015, 44, 1775-1781.	1.6	59

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73	The persistent luminescence and up conversion photostimulated luminescence properties of nondoped Mg ₂ SnO ₄ material. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	58
74	Green phosphorescence-assisted degradation of rhodamine B dyes by Ag ₃ PO ₄ . <i>Journal of Materials Chemistry A</i> , 2013, 1, 1123-1126.	5.2	58
75	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.	1.3	58
76	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.	2.5	57
77	Effect of phase structures of TiO ₂ -N on the photocatalytic activity of CaAl ₂ O ₄ :(Eu, Nd)-coupled TiO ₂ -N. <i>Journal of Catalysis</i> , 2012, 286, 273-278.	3.1	57
78	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.	10.8	57
79	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.	1.5	56
80	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.	2.7	56
81	Synthesis of Gd _{1-x} Eu _x Al ₃ (BO ₃) ₄ and Its Photoluminescence Properties under UV and Vacuum Ultraviolet Regions. <i>Journal of the Electrochemical Society</i> , 2001, 148, G430.	1.3	55
82	Persistent Fluorescence-Assisted TiO ₂ -N-Based Photocatalyst for Gaseous Acetaldehyde Degradation. <i>Environmental Science & Technology</i> , 2012, 46, 7741-7745.	4.6	55
83	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.	2.0	54
84	Structure, enhancement and white luminescence of multifunctional Lu ₆ O ₅ F ₈ :20%Yb ³⁺ , 1%Er ³⁺ (Tm ³⁺) nanoparticles via further doping with Li ⁺ under different excitation sources. <i>Nanoscale</i> , 2013, 5, 2491.	2.8	54
85	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.	1.7	54
86	Preparation of Sr _{1-x} Ca _x YSi ₄ N ₇ :Eu ²⁺ solid solutions and their luminescence properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4476-4481.	2.7	54
87	Air-stable and water-resistant all-inorganic perovskite quantum dot films for white-light-emitting applications. <i>New Journal of Chemistry</i> , 2017, 41, 13961-13967.	1.4	54
88	Ca _{1-x} Mo _{1-y} 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.	1.3	53
89	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.	1.9	53
90	Ca ₂ Y ₁ Zr ₂ Al ₃ 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.	1.5	53

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91	NaBaY(BO ₃) ₂ :Ce ³⁺ ,Tb ³⁺ : A novel sharp green-emitting phosphor used for WLED and FEDs. Journal of the American Ceramic Society, 2018, 101, 4560-4571.	1.9	53
92	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. Optical Materials, 2011, 33, 475-479.	1.7	52
93	Tunable white light of multi-cation-site Na ₂ BaCa(PO ₄) ₂ :Eu,Mn phosphor: synthesis, structure and PL/CL properties. Journal of Materials Chemistry C, 2017, 5, 1184-1194.	2.7	52
94	Efficient Broadband Near-Infrared Emission from Lead-Free Halide Double Perovskite Single Crystal. Angewandte Chemie - International Edition, 2022, 61, .	7.2	51
95	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. Journal of Applied Physics, 2009, 106, 053102.	1.1	50
96	Crystal-Field Engineering Control of an Ultraviolet-Visible-Responsive Near-Infrared-Emitting Phosphor and Its Applications in Plant Growth, Night Vision, and NIR Spectroscopy Detection. Advanced Optical Materials, 2022, 10, .	3.6	50
97	Self-Purification-Dependent Unique Photoluminescence Properties of YBO ₃ :Eu ³⁺ Nanophosphors under VUV Excitation. Journal of Physical Chemistry C, 2010, 114, 9245-9250.	1.5	49
98	Violet-blue up conversion photostimulated luminescence properties and first principles calculations of a novel un-doped CaZrO ₃ phosphor for application in optical storage. Journal of Alloys and Compounds, 2013, 550, 451-458.	2.8	49
99	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. Journal of Materials Chemistry C, 2015, 3, 6676-6685.	2.7	49
100	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. Inorganic Chemistry Frontiers, 2020, 7, 1034-1045.	3.0	49
101	Luminescence properties of Ca ₁₀ K(PO ₄) ₇ :RE ³⁺ (RE=Ce, Tb, Dy, Tm and Sm) under vacuum ultraviolet excitation. Journal of Alloys and Compounds, 2011, 509, 4649-4652.	2.8	48
102	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. Journal of the Electrochemical Society, 2011, 158, J236.	1.3	48
103	Violet blue long-lasting phosphorescence properties of Mg-doped BaZrO ₃ and its ability to assist photocatalysis. Journal of Alloys and Compounds, 2013, 580, 564-569.	2.8	48
104	Controlling and revealing the trap distributions of Ca ₆ BaP ₄ O ₁₇ :Eu ²⁺ ,R ³⁺ (R = Dy, Tb, Ce, Gd,) Tj ETQq1 1.0.784314 rgBT /Overlo	1.4	46
105	Novel orange light emitting phosphor Sr ₉ (Li, Na, K)Mg(PO ₄) ₇ : Eu ²⁺ excited by NUV light for white LEDs. Acta Materialia, 2016, 120, 281-291.	3.8	47
106	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⁺ . Journal of Materials Chemistry C, 2019, 7, 1982-1990.	2.7	47
107	Vacuum ultraviolet and near-infrared excited luminescence properties of Ca ₃ (PO ₄) ₂ :RE ³⁺ , Na ⁺ (RE=Tb,) Tj ETQq1 1.0.784314 rgBT /Overlo	1.4	46
108	Highly efficient cyan-emitting garnet Ca ₃ Hf ₂ SiAl ₂ O ₁₂ :xCe ³⁺ phosphor for solid state white lighting. CrystEngComm, 2015, 17, 3235-3242.	1.3	46

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109	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.	2.7	46
110	A temperature sensor based on the enhanced upconversion luminescence of Li^{+} doped $NaLuF_4:Yb^{3+},Tm^{3+}/Er^{3+}$ nano/microcrystals. <i>Dalton Transactions</i> , 2018, 47, 8656-8662.	1.6	46
111	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.	1.5	45
112	Warm white light generation from Dy^{3+} doped $NaSr_2Nb_5O_{15}$ for white LEDs. <i>Materials Letters</i> , 2013, 91, 304-306.	1.3	45
113	Structure, photoluminescence and thermal properties of Ce^{3+}, Mn^{2+} co-doped phosphosilicate $Sr_7La_3[(PO_4)_2.5(SiO_4)_3(BO_4)_4]_{0.5}$ emission-tunable phosphor. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5850-5856.	2.7	45
114	Effect of Oxygen Vacancies on the Reduction of Eu^{3+} in $Mg_3Ca_3(PO_4)_4$ in Air Atmosphere. <i>Inorganic Chemistry</i> , 2017, 56, 10396-10403.	1.9	45
115	Preparation and drug-delivery properties of hollow $YVO_4:Ln^{3+}$ and mesoporous $YVO_4:Ln^{3+}@nSiO_2@mSiO_2$ ($Ln = Eu, Yb$). <i>Tj ETQq</i> 1 0.784314 rgBT /	1.1	43
116	Synthesis, crystal structure and luminescence properties of a $Y_4Si_2O_7N_2:Ce^{3+}$ phosphor for near-UV white LEDs. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4967-4973.	2.7	44
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