

# Huyihua Hu

## List of Publications by Citations

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112  
papers

2,222  
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27  
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114  
ext. papers

2,732  
ext. citations

4.7  
avg, IF

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L-index

#	Paper	IF	Citations
112	A deep red phosphor Li <sub>2</sub> MgTiO <sub>4</sub> :Mn <sup>4+</sup> exhibiting abnormal emission: Potential application as color converter for warm w-LEDs. <i>Chemical Engineering Journal</i> , <b>2016</b> , 288, 596-607	14.7	196
111	Multifunctional near-infrared emitting Cr <sup>3+</sup> -doped Mg <sub>4</sub> Ga <sub>8</sub> Ge <sub>2</sub> O <sub>20</sub> particles with long persistent and photostimulated persistent luminescence, and photochromic properties. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6614-6625	7.1	85
110	A spatial/temporal dual-mode optical thermometry platform based on synergetic luminescence of Ti <sup>4+</sup> -Eu <sup>3+</sup> embedded flexible 3D micro-rod arrays: High-sensitive temperature sensing and multi-dimensional high-level secure anti-counterfeiting. <i>Chemical Engineering Journal</i> , <b>2019</b> , 374, 992-1004	14.7	84
109	Fano Resonance with Ultra-High Figure of Merits Based on Plasmonic Metal-Insulator-Metal Waveguide. <i>Plasmonics</i> , <b>2015</b> , 10, 27-32	2.4	82
108	Trap distribution tailoring guided design of super-long-persistent phosphor Ba <sub>2</sub> SiO <sub>4</sub> :Eu <sup>2+</sup> ,Ho <sup>3+</sup> and photostimulable luminescence for optical information storage. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 6058-6067	7.1	66
107	Luminescence Properties of Dual-Emission (UV/Visible) Long Afterglow Phosphor SrZrO <sub>3</sub> : Pr <sup>3+</sup> . <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 3821-3827	3.8	63
106	Single/Dual Fano Resonance Based on Plasmonic Metal-Dielectric-Metal Waveguide. <i>Plasmonics</i> , <b>2016</b> , 11, 315-321	2.4	54
105	Novel La <sub>3</sub> GaGe <sub>5</sub> O <sub>16</sub> : Mn <sup>4+</sup> based deep red phosphor: a potential color converter for warm white light. <i>RSC Advances</i> , <b>2015</b> , 5, 90499-90507	3.7	48
104	Luminescent properties of Tb <sup>3+</sup> -doped Ca <sub>2</sub> SnO <sub>4</sub> phosphor. <i>Journal of Luminescence</i> , <b>2013</b> , 138, 83-88	3.8	48
103	Reversible colorless-cyan photochromism in Eu <sup>2+</sup> -doped Sr <sub>3</sub> YNa(PO <sub>4</sub> ) <sub>3</sub> F powders. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9435-9443	7.1	43
102	The long persistent luminescence properties of phosphors: Li <sub>2</sub> ZnGeO <sub>4</sub> and Li <sub>2</sub> ZnGeO <sub>4</sub> :Mn <sup>2+</sup> . <i>RSC Advances</i> , <b>2014</b> , 4, 11360-11366	3.7	39
101	Photoluminescence spectroscopies and temperature-dependent luminescence of Mn <sup>4+</sup> in BaGe <sub>4</sub> O <sub>9</sub> phosphor. <i>Journal of Luminescence</i> , <b>2016</b> , 177, 394-401	3.8	39
100	Energy transfer and tunable luminescence properties in Y <sub>3</sub> Al <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> : Tb <sup>3+</sup> , Eu <sup>3+</sup> phosphors. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 787, 672-682	5.7	35
99	Sol-gel synthesis of Eu <sup>3+</sup> incorporated CaMoO <sub>4</sub> : the enhanced luminescence performance. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 62, 227-233	2.3	35
98	An intense red-emitting phosphor Sr <sub>3</sub> Lu(PO <sub>4</sub> ) <sub>3</sub> :Eu <sup>3+</sup> for near ultraviolet light emitting diodes application. <i>Ceramics International</i> , <b>2016</b> , 42, 3659-3665	5.1	33
97	A novel emitting color tunable phosphor Ba <sub>3</sub> Gd(PO <sub>4</sub> ) <sub>3</sub> : Ce <sup>3+</sup> , Tb <sup>3+</sup> based on energy transfer. <i>Physica B: Condensed Matter</i> , <b>2014</b> , 436, 105-110	2.8	33
96	Design and control of the coloration degree for photochromic Sr <sub>3</sub> GdNa(PO <sub>4</sub> ) <sub>3</sub> F:Eu <sup>2+</sup> via traps modulation by Ln <sup>3+</sup> (Ln = Y, La-Sm, Tb-Lu) co-doping. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 245, 256-262	8.5	32

95	Preparation, Design, and Characterization of the Novel Long Persistent Phosphors: Na <sub>2</sub> ZnGeO <sub>4</sub> and Na <sub>2</sub> ZnGeO <sub>4</sub> :Mn <sup>2+</sup> . <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 1555-1561	3.8	32
94	A single-phase full-color emitting phosphor Na <sub>3</sub> Sc <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> :Eu <sup>2+</sup> /Tb <sup>3+</sup> /Mn <sup>2+</sup> with near-zero thermal quenching and high quantum yield for near-UV converted warm w-LEDs. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 5627-5639	3.8	32
93	Optically Stimulated Luminescence Phosphors: Principles, Applications, and Prospects. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 2000123	8.3	32
92	Coordination Geometry-Dependent Multi-Band Emission and Atypically Deep-Trap-Dominated NIR Persistent Luminescence from Chromium-Doped Aluminates. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701167	8.1	31
91	Tailoring Multidimensional Traps for Rewritable Multilevel Optical Data Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35023-35029	9.5	30
90	Photoluminescence, reddish orange long persistent luminescence and photostimulated luminescence properties of praseodymium doped CdGeO <sub>3</sub> phosphor. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 616, 159-165	5.7	30
89	Aliovalent Doping and Surface Grafting Enable Efficient and Stable Lead-Free Blue-Emitting Perovskite Derivative. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000779	8.1	30
88	A novel orange emitting long afterglow phosphor Ca <sub>3</sub> Si <sub>2</sub> O <sub>7</sub> :Eu <sup>2+</sup> and the enhancement by R <sup>3+</sup> ions (R=Tm, Dy and Er). <i>Materials Letters</i> , <b>2014</b> , 126, 75-77	3.3	28
87	Tunable blue-green color emission and energy transfer properties of Li <sub>2</sub> CaGeO <sub>4</sub> :Ce <sup>3+</sup> , Tb <sup>3+</sup> phosphors for near-UV white-light LEDs. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 610, 695-700	5.7	27
86	White-light long persistent luminescence of Tb <sup>3+</sup> -doped Y <sub>3</sub> Al <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> phosphor. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 729, 418-425	5.7	27
85	Crystal field modulation-control, bandgap engineering and shallow/deep traps tailoring-guided design of a color-tunable long-persistent phosphor (Ca, Sr)GaO:Mn, Bi. <i>Dalton Transactions</i> , <b>2018</b> , 48, 253-265	4.3	26
84	Ni <sup>2+</sup> -Doped Yttrium Aluminum Gallium Garnet Phosphors: Bandgap Engineering for Broad-Band Wavelength-Tunable Shortwave-Infrared Long-Persistent Luminescence and Photochromism. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 6543-6550	8.3	26
83	Design of an Optical Power and Wavelength Splitter Based on Subwavelength Waveguides. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 3020-3026	4	25
82	Reversible white and light gray photochromism in europium doped Zn <sub>2</sub> GeO <sub>4</sub> . <i>Materials Letters</i> , <b>2014</b> , 134, 187-189	3.3	25
81	Cr <sup>3+</sup> -activated Li <sub>5</sub> Zn <sub>8</sub> Al <sub>5</sub> Ge <sub>9</sub> O <sub>36</sub> : A near-infrared long-afterglow phosphor. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 3070-3079	3.8	24
80	Luminescence properties of the pink emitting persistent phosphor Pr <sup>3+</sup> -doped La <sub>3</sub> GaGe <sub>5</sub> O <sub>16</sub> . <i>RSC Advances</i> , <b>2015</b> , 5, 37172-37179	3.7	24
79	Tunable blue-green color emitting phosphors Sr <sub>3</sub> YNa(PO <sub>4</sub> ) <sub>3</sub> F:Eu <sup>2+</sup> , Tb <sup>3+</sup> based on energy transfer for near-UV white LEDs. <i>Journal of Luminescence</i> , <b>2017</b> , 185, 106-111	3.8	23
78	Fluorescence and energy transfer in CaMgP <sub>2</sub> O <sub>7</sub> :Ce <sup>3+</sup> , Tb <sup>3+</sup> phosphor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2015</b> , 193, 27-31	3.1	23

77	A white-light emitting phosphor LuNbO <sub>4</sub> :Dy <sup>3+</sup> with tunable emission color manipulated by energy transfer from NbO <sub>4</sub> groups to Dy <sup>3+</sup> . <i>Journal of Luminescence</i> , <b>2017</b> , 181, 189-195	3.8	23
76	Trap Energy Upconversion-Like Near-Infrared to Near-Infrared Light Rejuvenateable Persistent Luminescence. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008722	24	23
75	Synthesis and Persistent Luminescence Mechanism of a Novel Orange Emitting Persistent Phosphor Sr <sub>5</sub> (BO <sub>3</sub> ) <sub>3</sub> Cl:Eu <sup>2+</sup> . <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2573-2579	3.8	22
74	Luminescent Properties of Praseodymium in CaWO <sub>4</sub> Matrix. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 3214-3219	3.8	20
73	Luminescent properties of a novel afterglow phosphor Sr <sub>3</sub> Al <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> :Eu <sup>2+</sup> , Ce <sup>3+</sup> . <i>Ceramics International</i> , <b>2014</b> , 40, 8229-8236	5.1	19
72	Tunable whole visible region color emission, enhancing emission intensity and persistent performance of a self-activated phosphor:Na <sub>2</sub> CaSn <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> . <i>Ceramics International</i> , <b>2018</b> , 44, 18809-18816	5.1	18
71	Photochromism of rare earth doped barium haloapatite. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 251, 100-105	4.7	18
70	Fano Resonance Based on End-Coupled Cascaded-Ring MIM Waveguides Structure. <i>Plasmonics</i> , <b>2017</b> , 12, 1875-1880	2.4	17
69	Reversible luminescence switching and non-destructive optical readout behaviors of Sr <sub>3</sub> SnMO <sub>7</sub> :Eu <sup>3+</sup> (M = Sn, Si, Ge, Ti, Zr, and Hf) driven by photochromism and tuned by partial cation substitution. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 262, 289-297	8.5	17
68	Color tuning of Ba <sub>2</sub> ZnSi <sub>2</sub> O <sub>7</sub> :Ce <sup>3+</sup> , Tb <sup>3+</sup> phosphor via energy transfer. <i>Journal of Luminescence</i> , <b>2014</b> , 153, 412-416	3.8	17
67	Photocatalytic titanium dioxide immobilized on an ultraviolet emitting ceramic substrate for water purification. <i>Materials Letters</i> , <b>2019</b> , 240, 100-102	3.3	17
66	Persistent luminescence properties of SrMg <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> :Eu <sup>2+</sup> , Tb <sup>3+</sup> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 114, 867-874	2.6	16
65	The influence of auxiliary codopants on persistent phosphor Sr <sub>2</sub> P <sub>2</sub> O <sub>7</sub> :Eu <sup>2+</sup> , R <sup>3+</sup> (R=Y, La, Ce, Gd, Tb and Lu). <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 4743-4748	5.1	16
64	Persistent luminescence in Ba <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> Cl:Eu <sup>2+</sup> , R <sup>3+</sup> (R = Y, La, Ce, Gd, Tb and Lu). <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 2598-2603	5.1	16
63	An All-Optical Ratiometric Thermometer Based on Reverse Thermal Response from Interplay among Diverse Emission Centers and Traps with High-Temperature Sensitivity. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 21242-21251	3.9	16
62	Multiple Plasmon-Induced Transparency Responses in a Subwavelength Inclined Ring Resonators System. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-7	1.8	15
61	A Plasmonic Wavelength-Selected Intersection Structure. <i>Plasmonics</i> , <b>2014</b> , 9, 685-690	2.4	14
60	Ratiometric optical thermometer based on thermally coupled levels and non-thermally coupled levels. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 894, 162494	5.7	14

59	Li Zn Ga Ge O : Cr , Ti : A Long Persistent Phosphor Excited in a Wide Spectral Region from UV to Red Light for Reproducible Imaging through Biological Tissue. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1506-1514	4.5	13
58	Luminescence properties of a novel orange emission long persistent phosphor CaO:Sm <sup>3+</sup> . <i>Optics Communications</i> , <b>2013</b> , 311, 266-269	2	13
57	Ni-Doped Garnet Solid-Solution Phosphor-Converted Broadband Shortwave Infrared Light-Emitting Diodes toward Spectroscopy Application.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	13
56	Luminescence properties of a novel greenish-blue emission long persistent phosphor Sr <sub>3</sub> TaAl <sub>3</sub> Si <sub>2</sub> O <sub>14</sub> :Pr <sup>3+</sup> . <i>Ceramics International</i> , <b>2016</b> , 42, 11039-11044	5.1	13
55	High brightness and precise adjustment of multicolor-tunable luminescence of Lu <sub>2</sub> GeO <sub>5</sub> :Tb <sup>3+</sup> , Eu <sup>3+</sup> phosphors for white LEDs. <i>Current Applied Physics</i> , <b>2019</b> , 19, 1052-1061	2.6	12
54	Effects of Ln <sup>3+</sup> (Ln=Ce, Pr, Tb and Lu) doping on the persistent luminescence properties BaMg <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> :Eu <sup>2+</sup> phosphor. <i>Ceramics International</i> , <b>2015</b> , 41, 14998-15004	5.1	12
53	A co-doping influence towards enhanced persistent duration of long persistent phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16842-16846	2.1	12
52	Reversible photoluminescence switching in photochromic material Sr <sub>6</sub> Ca <sub>4</sub> (PO <sub>4</sub> ) <sub>6</sub> F <sub>2</sub> :Eu <sup>2+</sup> and the modified performance by trap engineering via Ln <sup>3+</sup> (Ln = La, Y, Gd, Lu) co-doping for erasable optical data storage. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 6403-6412	7.1	11
51	Plasmonic-Induced Absorption and Transparency Based on a Compact Ring-Groove Joint MIM Waveguide Structure. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-8	1.8	11
50	Luminescence properties and energy transfer in the novel red emitting phosphors Ba <sub>2</sub> Ln(BO <sub>3</sub> ) <sub>2</sub> Cl:Sm <sup>3+</sup> , Eu <sup>3+</sup> (Ln=Y, Gd). <i>Physica B: Condensed Matter</i> , <b>2014</b> , 450, 99-105	2.8	11
49	Photoluminescence of a novel Na <sub>3</sub> Y(VO <sub>4</sub> ) <sub>2</sub> :Eu <sup>3+</sup> red phosphor for near ultraviolet light emitting diodes application. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 2529-2537	2.1	10
48	Investigation of reversible photoluminescence switching driven by colorless-purple photochromism in Sr <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> F:Eu <sup>2+</sup> for optical storage applications. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 753, 607-614	5.7	10
47	Long persistent phosphor SrZrO <sub>3</sub> :Yb <sup>3+</sup> with dual emission in NUV and NIR region: A combined experimental and first-principles methods. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 766, 663-671	5.7	10
46	Tunable emission and efficient energy-transfer properties of Ce <sup>3+</sup> and Mn <sup>2+</sup> co-doped Ba <sub>3</sub> Gd(PO <sub>4</sub> ) <sub>3</sub> phosphors. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 117, 823-829	2.6	10
45	Photoluminescence and afterglow of Mn <sup>2+</sup> doped lithium zinc silicate. <i>Journal of Luminescence</i> , <b>2017</b> , 183, 68-72	3.8	10
44	Luminescence and energy transfer properties of Sr <sub>3</sub> Y(PO <sub>4</sub> ) <sub>3</sub> :Ce <sup>3+</sup> , Mn <sup>2+</sup> phosphors. <i>Physica B: Condensed Matter</i> , <b>2016</b> , 485, 39-44	2.8	9
43	Systematic investigation of photoluminescence on the mixed valence of europium in Zn <sub>2</sub> GeO <sub>4</sub> host. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 116, 1985-1992	2.6	9
42	Tailoring light emission properties and optoelectronic and optothermal responses from rare earth-doped bismuth oxide for multifunctional light shielding, temperature sensing, and photodetection. <i>RSC Advances</i> , <b>2017</b> , 7, 44908-44914	3.7	9

41	Photochromism of Sm <sup>3+</sup> -doped perovskite oxide: Ultrahigh-contrast optical switching and erasable optical recording. <i>Journal of Luminescence</i> , <b>2021</b> , 233, 117922	3.8	9
40	An intense single-component warm-white-light Sr <sub>3</sub> Lu(PO <sub>4</sub> ) <sub>3</sub> :Dy <sup>3+</sup> phosphor for white UV-LEDs. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 13235-13241	2.1	9
39	Plasmonic Bidirectional/Unidirectional Wavelength Splitter Based on Metal-Dielectric-Metal Waveguides. <i>Plasmonics</i> , <b>2016</b> , 11, 71-77	2.4	8
38	Tunable Multimode Plasmonic Filter Based on Side-Coupled Ring-Groove Joint Resonator. <i>Plasmonics</i> , <b>2017</b> , 12, 427-431	2.4	8
37	Reversible white-purple photochromism in europium doped Sr <sub>3</sub> GdLi(PO <sub>4</sub> ) <sub>3</sub> F powders. <i>Journal of Luminescence</i> , <b>2017</b> , 186, 238-242	3.8	8
36	Sr <sub>3</sub> YLi(PO <sub>4</sub> ) <sub>3</sub> F:Eu <sup>2+</sup> , Ln <sup>3+</sup> : colorless-magenta photochromism and coloration degree regulation through Ln <sup>3+</sup> co-doping. <i>RSC Advances</i> , <b>2017</b> , 7, 43700-43707	3.7	8
35	A novel photochromic material based on halophosphate: Remote light-controlled reversible luminescence modulation and fluorescence lifetime regulation. <i>Ceramics International</i> , <b>2019</b> , 45, 5971-5980	5.1	8
34	Sr <sub>3</sub> GdLi(PO <sub>4</sub> ) <sub>3</sub> F:Eu <sup>2+</sup> , Mn <sup>2+</sup> : A tunable blue-white color emitting phosphor via energy transfer for near-UV white LEDs. <i>Ceramics International</i> , <b>2017</b> , 43, 8824-8830	5.1	7
33	Widening the emission spectrum of Eu <sup>2+</sup> in Na <sub>3</sub> Sc <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> to full-color via controlling the multi-emission centers by equivalent substitution of Sc Al and PO <sub>4</sub> -BO <sub>3</sub> . <i>Optical Materials</i> , <b>2019</b> , 88, 635-641	3.3	7
32	Luminescence properties and energy transfer in Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> :Ce <sup>3+</sup> , Tb <sup>3+</sup> phosphors. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 120, 301-308	2.6	7
31	Photoluminescence properties and energy transfer of Ca <sub>3</sub> WO <sub>6</sub> :Sm <sup>3+</sup> co-doped Eu <sup>3+</sup> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 115, 1073-1080	2.6	7
30	Investigation of the persistent luminescence of LiBaPO <sub>4</sub> :Eu <sup>2+</sup> . <i>Journal of Materials Research</i> , <b>2014</b> , 29, 519-526	2.5	7
29	Enhancement on afterglow properties of Eu <sup>3+</sup> by Ti <sup>4+</sup> , Mg <sup>2+</sup> incorporation in CaWO <sub>4</sub> matrix. <i>Journal of Materials Research</i> , <b>2012</b> , 27, 959-964	2.5	7
28	Persistent luminescence in the self-activated K <sub>2</sub> Zr(BO <sub>3</sub> ) <sub>2</sub> . <i>RSC Advances</i> , <b>2017</b> , 7, 4190-4195	3.7	6
27	Tunable ultraviolet-B full-spectrum delayed luminescence of bismuth-activated phosphors for high-secure data encryption and decryption. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 902, 163776	5.7	6
26	Flux-assisted low-temperature synthesis of Mn <sup>4+</sup> -doped unusual broadband deep-red phosphors toward warm w-LEDs. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 870, 159394	5.7	6
25	Photoluminescence and long persistent luminescence properties of a novel green emitting phosphor Ca <sub>3</sub> TaAl <sub>3</sub> Si <sub>2</sub> O <sub>14</sub> :Tb <sup>3+</sup> . <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 8486-8492	2.1	6
24	Reversible multiplexing optical information storage and photoluminescence switching in Eu <sup>2+</sup> -doped fluorophosphate-based tunable photochromic materials. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 5930-5944	7.1	6

23	Intrinsic defects and spectral characteristics of SrZrO <sub>3</sub> perovskite. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 534, 105-112	2.8	5
22	Photoluminescence properties of a novel red phosphor Sr <sub>3</sub> Ga <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> :Eu <sup>3+</sup> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	5
21	The exploration and characterization of an orange emitting long persistent luminescence phosphor LiSr <sub>4</sub> (BO <sub>3</sub> ) <sub>3</sub> :Eu <sup>2+</sup> . <i>Journal of Luminescence</i> , <b>2016</b> , 172, 53-60	3.8	5
20	Photoluminescence characterization and energy transfer between (mathrm{WO}_{4}^{2-}) groups and (mathrm{Sm}^{3+}) in (mathrm{CaWO}_{4}{}_{:}mathrm{Sm}^{3+}) phosphor. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 115, 859-865	2.6	5
19	LARGE PIEZOELECTRIC EFFECT IN LOW-TEMPERATURE-SINTERED LEAD-FREE (Ba <sub>0.85</sub> Ca <sub>0.15</sub> )(Zr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> THICK FILMS. <i>Functional Materials Letters</i> , <b>2012</b> , 05, 1250029	1.2	5
18	Strontium substitution enhancing a novel Sm <sup>3+</sup> -doped barium gallate phosphor with bright and red long persistent luminescence. <i>Journal of Luminescence</i> , <b>2020</b> , 218, 116820	3.8	5
17	Persistent luminescence in BaGd <sub>2</sub> O <sub>4</sub> :Dy <sup>3+</sup> : from blue to infrared. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	5
16	Photon energy conversion and management in SrAl <sub>12</sub> O <sub>19</sub> : Mn <sup>2+</sup> , Gd <sup>3+</sup> for rewritable optical information storage. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 129844	14.7	5
15	A blue-green-emitting phosphor Na <sub>2</sub> Ca <sub>3</sub> Si <sub>2</sub> O <sub>8</sub> :Tb <sup>3+</sup> with tunable emission color manipulated by cross-relaxation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 3867-3872	2.1	4
14	A novel Ba <sub>2</sub> MgMoO <sub>6</sub> :Eu <sup>3+</sup> orange-red phosphor: Photoluminescence properties and mechanism of charge and energy transfer. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 3130-3136	2.5	3
13	Photoluminescence and long persistent luminescence properties of a novel green emitting phosphor Sr <sub>3</sub> TaAl <sub>3</sub> Si <sub>2</sub> O <sub>14</sub> :Tb <sup>3+</sup> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	3
12	Multi-site occupation of Cr <sup>3+</sup> toward developing broadband near-infrared phosphors. <i>Ceramics International</i> , <b>2021</b> , 47, 23558-23563	5.1	3
11	Novel yellow color-emitting BaY <sub>2</sub> O <sub>4</sub> :Dy <sup>3+</sup> phosphors: persistent luminescence from blue to red. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	2
10	Bio-Imaging with Persistent Phosphors: Coordination Geometry-Dependent Multi-Band Emission and Atypically Deep-Trap-Dominated NIR Persistent Luminescence from Chromium-Doped Aluminates (Advanced Optical Materials 7/2018). <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1870029	8.1	2
9	Synthesis and luminescence of Sr <sub>2</sub> Ta <sub>2</sub> O <sub>7</sub> :Pr <sup>3+</sup> : a novel blue emission, long persistent phosphor. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 3704-3711	2.5	2
8	Highly efficient and stable broadband near-infrared-emitting lead-free metal halide double perovskites. <i>Journal of Materials Chemistry C</i> ,	7.1	2
7	Energy transfer and luminescence properties of Y <sub>3</sub> Al <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> : Tb <sup>3+</sup> , Sm <sup>3+</sup> as a multi-colour emitting phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 10491-10498	2.1	1
6	A novel tunable color emitting phosphor Sr <sub>3</sub> YLi(PO <sub>4</sub> ) <sub>3</sub> F:Eu <sup>2+</sup> , Mn <sup>2+</sup> for near-UV white LEDs based on the energy transfer from Eu <sup>2+</sup> to Mn <sup>2+</sup> . <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 19139-19147	2.1	1

5	Regulating electron traps of Eu <sup>2+</sup> -doped Ba <sub>1.6</sub> Ca <sub>0.4</sub> SiO <sub>4</sub> persistent and optically stimulated luminescence phosphor toward optical data storage. <i>Journal of Luminescence</i> , <b>2022</b> , 241, 118518	3.8	1
4	A high efficient and anti-thermal dual-emission blue-green phosphors for warm white LEDs. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	1
3	Persistent-Luminescence Phosphors: Trap Energy Upconversion-Like Near-Infrared to Near-Infrared Light Rejuvenateable Persistent Luminescence (Adv. Mater. 15/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170418	4.18	1
2	Enhanced red-emitting phosphor Na <sub>2</sub> Ca <sub>3</sub> Si <sub>2</sub> O <sub>8</sub> :Eu <sup>3+</sup> by charge compensation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 5262-5269	2.1	0
1	Investigation of new color-tunable up-conversion phosphors and their long-persistent luminescence properties for potential biomedical applications. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	