

Yahong Jin

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.

68

papers

1,528

citations

24

h-index

36

g-index

71

ext. papers

1,944

ext. citations

5.1

avg, IF

4.82

L-index

#	Paper	IF	Citations
68	Ni-Doped Garnet Solid-Solution Phosphor-Converted Broadband Shortwave Infrared Light-Emitting Diodes toward Spectroscopy Application.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	13
67	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> , 2022 , 902, 163776	5.7	6
66	Regulating electron traps of Eu ²⁺ -doped Ba _{1.6} Ca _{0.4} SiO ₄ persistent and optically stimulated luminescence phosphor toward optical data storage. <i>Journal of Luminescence</i> , 2022 , 241, 118518	3.8	1
65	Ratiometric optical thermometer based on thermally coupled levels and non-thermally coupled levels. <i>Journal of Alloys and Compounds</i> , 2021 , 894, 162494	5.7	14
64	Photochromism of Sm ³⁺ -doped perovskite oxide: Ultrahigh-contrast optical switching and erasable optical recording. <i>Journal of Luminescence</i> , 2021 , 233, 117922	3.8	9
63	Flux-assisted low-temperature synthesis of Mn ⁴⁺ -doped unusual broadband deep-red phosphors toward warm w-LEDs. <i>Journal of Alloys and Compounds</i> , 2021 , 870, 159394	5.7	6
62	Multi-site occupation of Cr ³⁺ toward developing broadband near-infrared phosphors. <i>Ceramics International</i> , 2021 , 47, 23558-23563	5.1	3
61	Phosphor SrZrO ₃ :Sm ³⁺ with fluorescence modulation and photochromic characteristics for erasable optical storage. <i>Ceramics International</i> , 2021 ,	5.1	2
60	Reversible multiplexing optical information storage and photoluminescence switching in Eu ²⁺ -doped fluorophosphate-based tunable photochromic materials. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5930-5944	7.1	6
59	Reversible photoluminescence switching in photochromic material Sr ₆ Ca ₄ (PO ₄) ₆ F ₂ :Eu ²⁺ and the modified performance by trap engineering via Ln ³⁺ (Ln = La, Y, Gd, Lu) co-doping for erasable optical data storage. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 6403-6412	7.1	11
58	Novel yellow color-emitting BaY ₂ O ₄ :Dy ³⁺ phosphors: persistent luminescence from blue to red. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	2
57	Ni ²⁺ -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> , 2020 , 8, 6543-6550	8.3	26
56	Optically Stimulated Luminescence Phosphors: Principles, Applications, and Prospects. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000123	8.3	32
55	Aliovalent Doping and Surface Grafting Enable Efficient and Stable Lead-Free Blue-Emitting Perovskite Derivative. <i>Advanced Optical Materials</i> , 2020 , 8, 2000779	8.1	30
54	A high efficient and anti-thermal dual-emission blue-green phosphors for warm white LEDs. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	1
53	Strontium substitution enhancing a novel Sm ³⁺ -doped barium gallate phosphor with bright and red long persistent luminescence. <i>Journal of Luminescence</i> , 2020 , 218, 116820	3.8	5
52	Tailoring Multidimensional Traps for Rewritable Multilevel Optical Data Storage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35023-35029	9.5	30

51	Widening the emission spectrum of Eu ²⁺ in Na ₃ Sc ₂ (PO ₄) ₃ to full-color via controlling the multi-emission centers by equivalent substitution of Sc Al and PO ₄ -BO ₃ . <i>Optical Materials</i> , 2019 , 88, 635-641	3.3	7
50	A spatial/temporal dual-mode optical thermometry platform based on synergetic luminescence of Ti ⁴⁺ -Eu ³⁺ embedded flexible 3D micro-rod arrays: High-sensitive temperature sensing and multi-dimensional high-level secure anti-counterfeiting. <i>Chemical Engineering Journal</i> , 2019 , 374, 992-1004	14.7	84
49	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> , 2019 , 14, 1506-1514	4.5	13
48	An All-Optical Ratiometric Thermometer Based on Reverse Thermal Response from Interplay among Diverse Emission Centers and Traps with High-Temperature Sensitivity. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 21242-21251	3.9	16
47	Cr ³⁺ -doped Mg ₄ Ga ₄ Ge ₃ O ₁₆ near-infrared phosphor membrane for optical information storage and recording. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 991-1000	5.7	27
46	A novel photochromic material based on halophosphate: Remote light-controlled reversible luminescence modulation and fluorescence lifetime regulation. <i>Ceramics International</i> , 2019 , 45, 5971-5980	5.1	8
45	Visible to NIR down-shifting and NIR to visible upconversion luminescence in Ca ₁₄ Zn ₆ Ga ₁₀ O ₃₅ :Mn ⁴⁺ , Ln ³⁺ (Ln=Nd, Yb, Er). <i>Dyes and Pigments</i> , 2019 , 161, 137-146	4.6	22
44	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> , 2018 , 48, 253-265	4.3	26
43	Intrinsic defects and spectral characteristics of SrZrO ₃ perovskite. <i>Physica B: Condensed Matter</i> , 2018 , 534, 105-112	2.8	5
42	Reversible luminescence switching and non-destructive optical readout behaviors of Sr ₃ SnMO ₇ :Eu ³⁺ (M = Sn, Si, Ge, Ti, Zr, and Hf) driven by photochromism and tuned by partial cation substitution. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 289-297	8.5	17
41	Investigation of reversible photoluminescence switching driven by colorless-purple photochromism in Sr ₅ (PO ₄) ₃ F:Eu ²⁺ for optical storage applications. <i>Journal of Alloys and Compounds</i> , 2018 , 753, 607-614	5.7	10
40	Long persistent phosphor SrZrO ₃ :Yb ³⁺ with dual emission in NUV and NIR region: A combined experimental and first-principles methods. <i>Journal of Alloys and Compounds</i> , 2018 , 766, 663-671	5.7	10
39	Tunable whole visible region color emission, enhancing emission intensity and persistent performance of a self-activated phosphor:Na ₂ CaSn ₂ Ge ₃ O ₁₂ . <i>Ceramics International</i> , 2018 , 44, 18809-18816	5.1	18
38	A single-phase full-color emitting phosphor Na ₃ Sc ₂ (PO ₄) ₃ :Eu ²⁺ /Tb ³⁺ /Mn ²⁺ with near-zero thermal quenching and high quantum yield for near-UV converted warm w-LEDs. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5627-5639	3.8	32
37	Persistent luminescence in BaGd ₂ O ₄ :Dy ³⁺ : from blue to infrared. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	5
36	Trap distribution tailoring guided design of super-long-persistent phosphor Ba ₂ SiO ₄ :Eu ²⁺ ,Ho ³⁺ and photostimulable luminescence for optical information storage. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6058-6067	7.1	66
35	Tunable blue-green color emitting phosphors Sr ₃ YNa(PO ₄) ₃ F:Eu ²⁺ , Tb ³⁺ based on energy transfer for near-UV white LEDs. <i>Journal of Luminescence</i> , 2017 , 185, 106-111	3.8	23
34	Persistent luminescence in the self-activated K ₂ Zr(BO ₃) ₂ . <i>RSC Advances</i> , 2017 , 7, 4190-4195	3.7	6

33	Design and control of the coloration degree for photochromic Sr ₃ GdNa(PO ₄) ₃ F:Eu ²⁺ via traps modulation by Ln ³⁺ (Ln = Y, La-Sm, Tb-Lu) co-doping. <i>Sensors and Actuators B: Chemical</i> , 2017 , 245, 256-262	8.5	32
32	Reversible white-purple photochromism in europium doped Sr ₃ GdLi(PO ₄) ₃ F powders. <i>Journal of Luminescence</i> , 2017 , 186, 238-242	3.8	8
31	Sr ₃ GdLi(PO ₄) ₃ F:Eu ²⁺ , Mn ²⁺ : A tunable blue-white color emitting phosphor via energy transfer for near-UV white LEDs. <i>Ceramics International</i> , 2017 , 43, 8824-8830	5.1	7
30	Sr ₃ YLi(PO ₄) ₃ F:Eu ²⁺ , Ln ³⁺ : colorless-magenta photochromism and coloration degree regulation through Ln ³⁺ co-doping. <i>RSC Advances</i> , 2017 , 7, 43700-43707	3.7	8
29	A novel tunable color emitting phosphor Sr ₃ YLi(PO ₄) ₃ F:Eu ²⁺ , Mn ²⁺ for near-UV white LEDs based on the energy transfer from Eu ²⁺ to Mn ²⁺ . <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 19139-19147	2.1	1
28	Hybridization of silver orthophosphate with a melilite-type phosphor for enhanced energy-harvesting photocatalysis. <i>Catalysis Science and Technology</i> , 2017 , 7, 3736-3746	5.5	10
27	A bifunctional phosphor Sr ₃ Sn ₂ O ₇ :Eu ³⁺ : Red luminescence and photochromism properties. <i>Journal of Luminescence</i> , 2017 , 192, 337-342	3.8	19
26	A Novel Orange Emitting Long Persistent Phosphor CdGeO ₃ :Sm ³⁺ . <i>Science of Advanced Materials</i> , 2017 , 9, 386-391	2.3	3
25	A high color purity deep red emitting phosphor SrGe ₄ O ₉ :Mn ⁴⁺ for warm white LEDs. <i>Powder Technology</i> , 2016 , 292, 74-79	5.2	37
24	The exploration and characterization of an orange emitting long persistent luminescence phosphor LiSr ₄ (BO ₃) ₃ :Eu ²⁺ . <i>Journal of Luminescence</i> , 2016 , 172, 53-60	3.8	5
23	Luminescence of divalent europium activated spinels synthesized by combustion and the enhanced afterglow by dysprosium incorporation. <i>Physica B: Condensed Matter</i> , 2016 , 488, 8-12	2.8	1
22	A deep red phosphor Li ₂ MgTiO ₄ :Mn ⁴⁺ exhibiting abnormal emission: Potential application as color converter for warm w-LEDs. <i>Chemical Engineering Journal</i> , 2016 , 288, 596-607	14.7	196
21	Photoluminescence and long persistent luminescence properties of a novel green emitting phosphor Sr ₃ TaAl ₃ Si ₂ O ₁₄ :Tb ³⁺ . <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	3
20	Multifunctional near-infrared emitting Cr ³⁺ -doped Mg ₄ Ga ₈ Ge ₂ O ₂₀ particles with long persistent and photostimulated persistent luminescence, and photochromic properties. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6614-6625	7.1	85
19	Preparation, Design, and Characterization of the Novel Long Persistent Phosphors: Na ₂ ZnGeO ₄ and Na ₂ ZnGeO ₄ :Mn ²⁺ . <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1555-1561	3.8	32
18	Preparation and characterization of a long persistent phosphor Na ₂ Ca ₃ Si ₂ O ₈ :Ce ³⁺ . <i>Optical Materials Express</i> , 2015 , 5, 1488	2.6	10
17	Effects of Ln ³⁺ (Ln=Ce, Pr, Tb and Lu) doping on the persistent luminescence properties BaMg ₂ (PO ₄) ₂ :Eu ²⁺ phosphor. <i>Ceramics International</i> , 2015 , 41, 14998-15004	5.1	12
16	Reversible colorless-cyan photochromism in Eu ²⁺ -doped Sr ₃ YNa(PO ₄) ₃ F powders. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9435-9443	7.1	43

15	Synthesis and luminescence properties of a novel yellowish-pink emissive long persistent luminescence phosphor $\text{Cd}_2\text{GeO}_4:\text{Pr}^{3+}$. <i>Journal of Alloys and Compounds</i> , 2015 , 623, 255-260	5.7	17
14	Tunable emission and efficient energy-transfer properties of Ce^{3+} and Mn^{2+} co-doped $\text{Ba}_3\text{Gd}(\text{PO}_4)_3$ phosphors. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 117, 823-829	2.6	10
13	Luminescent properties of a novel afterglow phosphor $\text{Sr}_3\text{Al}_2\text{O}_5\text{Cl}_2:\text{Eu}^{2+}$, Ce^{3+} . <i>Ceramics International</i> , 2014 , 40, 8229-8236	5.1	19
12	Synthesis and Persistent Luminescence Mechanism of a Novel Orange Emitting Persistent Phosphor $\text{Sr}_5(\text{BO}_3)_3\text{Cl}:\text{Eu}^{2+}$. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2573-2579	3.8	22
11	Reversible white and light gray photochromism in europium doped Zn_2GeO_4 . <i>Materials Letters</i> , 2014 , 134, 187-189	3.3	25
10	Photoluminescence, reddish orange long persistent luminescence and photostimulated luminescence properties of praseodymium doped CdGeO_3 phosphor. <i>Journal of Alloys and Compounds</i> , 2014 , 616, 159-165	5.7	30
9	The long persistent luminescence properties of phosphors: $\text{Li}_2\text{ZnGeO}_4$ and $\text{Li}_2\text{ZnGeO}_4:\text{Mn}^{2+}$. <i>RSC Advances</i> , 2014 , 4, 11360-11366	3.7	39
8	A novel orange emitting long afterglow phosphor $\text{Ca}_3\text{Si}_2\text{O}_7:\text{Eu}^{2+}$ and the enhancement by R^{3+} ions ($\text{R}=\text{Tm}$, Dy and Er). <i>Materials Letters</i> , 2014 , 126, 75-77	3.3	28
7	Tunable blue-green color emission and energy transfer properties of $\text{Li}_2\text{CaGeO}_4:\text{Ce}^{3+}$, Tb^{3+} phosphors for near-UV white-light LEDs. <i>Journal of Alloys and Compounds</i> , 2014 , 610, 695-700	5.7	27
6	A novel emitting color tunable phosphor $\text{Ba}_3\text{Gd}(\text{PO}_4)_3:\text{Ce}^{3+}$, Tb^{3+} based on energy transfer. <i>Physica B: Condensed Matter</i> , 2014 , 436, 105-110	2.8	33
5	Luminescent properties of a red afterglow phosphor $\text{Ca}_2\text{SnO}_4:\text{Pr}^{3+}$. <i>Optical Materials</i> , 2013 , 35, 1378-1384	3.9	47
4	Luminescence properties of a novel orange emission long persistent phosphor $\text{CaO}:\text{Sm}^{3+}$. <i>Optics Communications</i> , 2013 , 311, 266-269	2	13
3	Luminescent properties of Tb^{3+} -doped Ca_2SnO_4 phosphor. <i>Journal of Luminescence</i> , 2013 , 138, 83-88	3.8	48
2	Luminescence Properties of Dual-Emission (UV/Visible) Long Afterglow Phosphor $\text{SrZrO}_3:\text{Pr}^{3+}$. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 3821-3827	3.8	63
1	Highly efficient and stable broadband near-infrared-emitting lead-free metal halide double perovskites. <i>Journal of Materials Chemistry C</i> ,	7.1	2