Guifang Ju

List of Publications by Citations

77 papers	1,508 citations	24 h-index	35 g-index
77 ext. papers	1,752 ext. citations	3.9 avg, IF	4.57 L-index

#	Paper	IF	Citations
77	Multifunctional near-infrared emitting Cr3+-doped Mg4Ga8Ge2O20 particles with long persistent and photostimulated persistent luminescence, and photochromic properties. *Journal of Materials Chemistry C*, **2016**, 4, 6614-6625	7.1	85
76	Trap distribution tailoring guided design of super-long-persistent phosphor Ba2SiO4:Eu2+,Ho3+ and photostimulable luminescence for optical information storage. *Journal of Materials Chemistry C* , **2018**, 6, 6058-6067	7.1	66
75	Luminescence properties of Y2O3:Bi3+, Ln3+ (Ln=Sm, Eu, Dy, Er, Ho) and the sensitization of Ln3+ by Bi3+. *Journal of Luminescence*, **2012**, 132, 1853-1859	3.8	65
74	Luminescence Properties of Dual-Emission (UV/Visible) Long Afterglow Phosphor SrZrO3: Pr3+. *Journal of the American Ceramic Society*, **2013**, 96, 3821-3827	3.8	63
73	A red-emitting heavy doped phosphor Li6Y(BO3)3:Eu3+ for white light-emitting diodes. *Optical Materials*, **2011**, 33, 1297-1301	3.3	57
72	Novel La3GaGe5O16 : Mn4+ based deep red phosphor: a potential color converter for warm white light. *RSC Advances*, **2015**, 5, 90499-90507	3.7	48
71	Persistent luminescence and its mechanism of Ba5(PO4)3Cl:Ce3+,Eu2+. *Journal of Applied Physics*, **2012**, 111, 113508	2.5	46
70	Reversible colorless-cyan photochromism in Eu2+-doped Sr3YNa(PO4)3F powders. *Journal of Materials Chemistry C*, **2015**, 3, 9435-9443	7.1	43
69	A reddish orange-emitting stoichiometric phosphor K3Eu(PO4)2 for white light-emitting diodes. *Optics and Laser Technology*, **2012**, 44, 39-42	4.2	43
68	White-Light Generation and Energy Transfer in Y2O3:Bi,Eu Phosphor for Ultraviolet Light-Emitting Diodes. *Journal of the Electrochemical Society*, **2011**, 158, J294	3.9	42
67	Concentration quenching of persistent luminescence. *Physica B: Condensed Matter*, **2013**, 415, 1-4	2.8	35
66	Sol-gel synthesis of Eu3+ incorporated CaMoO4: the enhanced luminescence performance. *Journal of Sol-Gel Science and Technology*, **2012**, 62, 227-233	2.3	35
65	A novel emitting color tunable phosphor Ba3Gd(PO4)3: Ce3+, Tb3+ based on energy transfer. *Physica B: Condensed Matter*, **2014**, 436, 105-110	2.8	33
64	Design and control of the coloration degree for photochromic Sr3GdNa(PO4)3F:Eu2+ via traps modulation by Ln3+ (Ln = Y, La-Sm, Tb-Lu) co-doping. *Sensors and Actuators B: Chemical*, **2017**, 245, 256-262	8.5	32
63	Preparation, Design, and Characterization of the Novel Long Persistent Phosphors: Na2ZnGeO4 and Na2ZnGeO4:Mn2+. *Journal of the American Ceramic Society*, **2015**, 98, 1555-1561	3.8	32
62	A single-phase full-color emitting phosphor Na3Sc2(PO4)3:Eu2+/Tb3+/Mn2+ with near-zero thermal quenching and high quantum yield for near-UV converted warm w-LEDs. *Journal of the American Ceramic Society*, **2018**, 101, 5627-5639	3.8	32
61	Aliovalent Doping and Surface Grafting Enable Efficient and Stable Lead-Free Blue-Emitting Perovskite Derivative. *Advanced Optical Materials*, **2020**, 8, 2000779	8.1	30

60	A novel orange emitting long afterglow phosphor Ca3Si2O7:Eu2+ and the enhancement by R3+ ions (R=Tm, Dy and Er). *Materials Letters*, **2014**, 126, 75-77	3.3	28
59	White-light long persistent luminescence of Tb3+-doped Y3Al2Ga3O12 phosphor. *Journal of Alloys and Compounds*, **2017**, 729, 418-425	5.7	27
58	Reversible white and light gray photochromism in europium doped Zn2GeO4. *Materials Letters*, **2014**, 134, 187-189	3.3	25
57	Luminescent properties of Na3Gd1−xEux(PO4)2 and energy transfer in these phosphors. *Journal of Alloys and Compounds*, **2011**, 509, 5655-5659	5.7	25
56	Observation on long afterglow of Tb3+ in CaWO4. *Materials Research Bulletin*, **2011**, 46, 2489-2493	5.1	25
55	Cr3+-activated Li5Zn8Al5Ge9O36: A near-infrared long-afterglow phosphor. *Journal of the American Ceramic Society*, **2017**, 100, 3070-3079	3.8	24
54	Luminescence properties of the pink emitting persistent phosphor Pr3+-doped La3GaGe5O16. *RSC Advances*, **2015**, 5, 37172-37179	3.7	24
53	Tunable blue-green color emitting phosphors Sr3YNa(PO4)3F:Eu2+, Tb3+ based on energy transfer for near-UV white LEDs. *Journal of Luminescence*, **2017**, 185, 106-111	3.8	23
52	Fluorescence and energy transfer in CaMgP2O7:Ce3+, Tb3+ phosphor. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2015**, 193, 27-31	3.1	23
51	Blue persistent luminescence in Eu2+ doped Ca3Mg3(PO4)4. *Optical Materials*, **2014**, 36, 1183-1188	3.3	22
50	Photoluminescence properties of color-tunable SrMgAl10O17:Eu2+,Mn2+ phosphors for UV LEDs. *Journal of Luminescence*, **2012**, 132, 1792-1797	3.8	21
49	Luminescent Properties of Praseodymium in CaWO4 Matrix. *Journal of the American Ceramic Society*, **2012**, 95, 3214-3219	3.8	20
48	A novel phosphor CaZnGe 2 O 6 :Bi 3+ with persistent luminescence and photo-stimulated luminescence. *Materials Research Bulletin*, **2018**, 105, 226-230	5.1	19
47	A bifunctional phosphor Sr3Sn2O7:Eu3+: Red luminescence and photochromism properties. *Journal of Luminescence*, **2017**, 192, 337-342	3.8	19
46	Tunable whole visible region color emission, enhancing emission intensity and persistent performance of a self-activated phosphor:Na2CaSn2Ge3O12. *Ceramics International*, **2018**, 44, 18809-18816	5.1	18
45	Photochromism of rare earth doped barium haloapatite. *Journal of Photochemistry and Photobiology A: Chemistry*, **2013**, 251, 100-105	4.7	18
44	Persistent luminescence in CaAl2Si2O8:Eu2+,R3+ (R=Pr, Nd, Dy, Ho and Er). *Journal of Luminescence* , **2014**, 146, 102-108	3.8	16
43	Persistent luminescence properties of SrMg2(PO4)2:Eu2+,Tb3+. *Applied Physics A: Materials Science and Processing*, **2014**, 114, 867-874	2.6	16

42	The influence of auxiliary codopants on persistent phosphor Sr2P2O7:Eu2+,R3+ (R=Y, La, Ce, Gd, Tb and Lu). *Materials Research Bulletin*, **2013**, 48, 4743-4748	5.1	16
41	Persistent luminescence in Ba5(PO4)3Cl:Eu2+,R3+ (R = Y, La, Ce, Gd, Tb and Lu). *Materials Research Bulletin*, **2013**, 48, 2598-2603	5.1	16
40	An All-Optical Ratiometric Thermometer Based on Reverse Thermal Response from Interplay among Diverse Emission Centers and Traps with High-Temperature Sensitivity. *Industrial & Engineering Chemistry Research*, **2019**, 58, 21242-21251	3.9	16
39	The luminescence of bismuth and europium in Ca4YO(BO3)3. *Journal of Luminescence*, **2012**, 132, 717-723	3.8	14
38	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. *Chemistry - an Asian Journal*, **2019**, 14, 1506-1514	4.5	13
37	Luminescence properties of a novel orange emission long persistent phosphor CaO:Sm3+. *Optics Communications*, **2013**, 311, 266-269	2	13
36	Luminescence properties of a novel greenish-blue emission long persistent phosphor Sr3TaAl3Si2O14:Pr3+. *Ceramics International*, **2016**, 42, 11039-11044	5.1	13
35	Effects of Ln3+ (Ln=Ce, Pr, Tb and Lu) doping on the persistent luminescence properties BaMg2(PO4)2:Eu2+ phosphor. *Ceramics International*, **2015**, 41, 14998-15004	5.1	12
34	A co-doping influence towards enhanced persistent duration of long persistent phosphors. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 16842-16846	2.1	12
33	Reversible white-brown photochromism in a self-activated long-persistent phosphor Mg_2SnO_4. *Optical Materials Express*, **2017**, 7, 1014	2.6	12
32	Reversible photoluminescence switching in photochromic material Sr6Ca4(PO4)6F2:Eu2+ and the modified performance by trap engineering via Ln3+ (Ln = La, Y, Gd, Lu) co-doping for erasable optical data storage. *Journal of Materials Chemistry C*, **2020**, 8, 6403-6412	7.1	11
31	Luminescence properties and energy transfer in the novel red emitting phosphors Ba2Ln(BO3)2Cl:Sm3+, Eu3+ (Ln=Y, Gd). *Physica B: Condensed Matter*, **2014**, 450, 99-105	2.8	11
30	Photoluminescence of a novel Na3Y(VO4)2:Eu3+ red phosphor for near ultraviolet light emitting diodes application. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 2529-2537	2.1	10
29	Investigation of reversible photoluminescence switching driven by colorless-purple photochromism in Sr5(PO4)3F:Eu2+ for optical storage applications. *Journal of Alloys and Compounds*, **2018**, 753, 607-614	5.7	10
28	Photoluminescence and afterglow of Mn 2+ doped lithium zinc silicate. *Journal of Luminescence*, **2017**, 183, 68-72	3.8	10
27	Systematic investigation of photoluminescence on the mixed valence of europium in Zn2GeO4 host. *Applied Physics A: Materials Science and Processing*, **2014**, 116, 1985-1992	2.6	9
26	Tailoring light emission properties and optoelectronic and optothermal responses from rare earth-doped bismuth oxide for multifunctional light shielding, temperature sensing, and photodetection. *RSC Advances*, **2017**, 7, 44908-44914	3.7	9
25	Reversible white-purple photochromism in europium doped Sr3GdLi(PO4)3F powders. *Journal of Luminescence*, **2017**, 186, 238-242	3.8	8

24	Photoluminescence properties of Ce^3+and Tb^3+-activated Ba_2Mg(PO_4)_2. *Optical Materials Express*, **2015**, 5, 1	2.6	8
23	Sr3YLi(PO4)3F:Eu2+,Ln3+: colorless-magenta photochromism and coloration degree regulation through Ln3+ co-doping. *RSC Advances*, **2017**, 7, 43700-43707	3.7	8
22	A novel photochromic material based on halophosphate: Remote light-controlled reversible luminescence modulation and fluorescence lifetime regulation. *Ceramics International*, **2019**, 45, 5971-5980	5.1	8
21	Sr3GdLi(PO4)3F:Eu2+, Mn2+: A tunable blue-white color emitting phosphor via energy transfer for near-UV white LEDs. *Ceramics International*, **2017**, 43, 8824-8830	5.1	7
20	Luminescence properties and energy transfer in Ca3(PO4)2:Ce3+, Tb3+ phosphors. *Applied Physics A: Materials Science and Processing*, **2015**, 120, 301-308	2.6	7
19	Self-activated photoluminescence and persistent luminescence in CaZr4(PO4)6. *Materials Research Bulletin*, **2016**, 83, 211-216	5.1	7
18	Photoluminescence properties and energy transfer of Ca3WO6:Sm3+ co-doped Eu3+. *Applied Physics A: Materials Science and Processing*, **2014**, 115, 1073-1080	2.6	7
17	Recent progress in Eu2+-activated phosphate persistent phosphors. *Optical Materials*, **2014**, 36, 1920-1923	3.3	7
16	Investigation of the persistent luminescence of LiBaPO4:Eu2+. *Journal of Materials Research*, **2014**, 29, 519-526	2.5	7
15	Persistent luminescence in the self-activated K2Zr(BO3)2. *RSC Advances*, **2017**, 7, 4190-4195	3.7	6
14	Photoluminescence and long persistent luminescence properties of a novel green emitting phosphor Ca3TaAl3Si2O14:Tb3+. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 8486-8492	2.1	6
13	Reversible multiplexing optical information storage and photoluminescence switching in Eu2+-doped fluorophosphate-based tunable photochromic materials. *Journal of Materials Chemistry C*, **2021**, 9, 5930-5944	7.1	6
12	Strontium substitution enhancing a novel Sm3+-doped barium gallate phosphor with bright and red long persistent luminescence. *Journal of Luminescence*, **2020**, 218, 116820	3.8	5
11	Persistent luminescence in BaGd2O4:Dy3+: from blue to infrared. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	5
10	Tb3+ induced orange persistent luminescence in Cs2CaP2O7:Eu2+: The role of the auxiliary codopant. *Materials Research Bulletin*, **2017**, 93, 223-229	5.1	4
9	A novel Ba2MgMoO6:Eu3+ orange-red phosphor: Photoluminescence properties and mechanism of charge and energy transfer. *Journal of Materials Research*, **2013**, 28, 3130-3136	2.5	3
8	Photoluminescence and long persistent luminescence properties of a novel green emitting phosphor Sr3TaAl3Si2O14:Tb3+. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	3
7	Novel yellow color-emitting BaY2O4:Dy3+ phosphors: persistent luminescence from blue to red. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	2

6	Synthesis and luminescence of Sr2Ta2O7:Pr3+: a novel blue emission, long persistent phosphor. *Journal of Materials Research*, **2016**, 31, 3704-3711	2.5	2
5	Highly efficient and stable broadband near-infrared-emitting lead-free metal halide double perovskites. *Journal of Materials Chemistry C*,	7.1	2
4	A novel tunable color emitting phosphor Sr3YLi(PO4)3F:Eu2+, Mn2+ for near-UV white LEDs based on the energy transfer from Eu2+ to Mn2+. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 19139-19147	2.1	1
3	A high efficient and anti-thermal dual-emission blue-green phosphors for warm white LEDs. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	1
2	Luminescence properties of novel dual-emission (UV/red) long afterglow phosphor LiYGeO4: Eu3+. *Journal of Luminescence*, **2021**, 237, 118193	3.8	1
1	Investigation of new color-tunable up-conversion phosphors and their long-persistent luminescence properties for potential biomedical applications. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	