Wei Zeng

List of Publications by Year
in descending order

64 papers	1,648 citations	304368 22 h-index	301761 39 g-index
67 all docs	67 docs citations	67 times ranked	1844 citing authors

#	Article	IF	Citations
1	Design, Preparation, and Mechanical Property Study of Polylactic Acid/Ca₂BO₃Cl: Eu²⁺, Dy³⁺ Composite Material for 3D Printing. 3D Printing and Additive Manufacturing, 2023, 10, 1414-1422.	1.4	2
2	Effects of novel functionalized magnesium phosphate monomers on the flame retardancy and mechanical properties of polyethylene terephthalate copolymers. Chemosphere, 2022, 288, 132648.	4.2	7
3	A triphenylamine-based aggregation-enhanced emission probe for viscosity and polarity analysis of lubricating oils. Analytical Methods, 2022, , .	1.3	1
4	Preparation of the Intrinsic Flame-Retardant Curing Agent of Inorganic Epoxy Resin Containing Nitrogen and Phosphorus. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 412-422.	1.9	3
5	Effects of a symmetrical inorganic-organic monomer on the flame retardancy and mechanical properties of polyethylene terephthalate copolymers. European Polymer Journal, 2022, 171, 111174.	2.6	4
6	A novel sustainable luminescent ABS composite material for 3D printing. European Polymer Journal, 2022, 176, 111406.	2.6	3
7	Preparation and anti-leakage properties of hydroxyethyl cellulose-g-poly (butyl acrylate-co-vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	5.1	17
8	Effect of particle size on flame retardancy and mechanical properties of hydroxyethyl diphosphate modified aluminum hydroxide intrinsic polyethylene terephthalate. Journal of Applied Polymer Science, 2021, 138, 50500.	1.3	3
9	Preparation of a novel functionalized magnesium-based curing agent as an intrinsic flame retardant for epoxy resin. Chemosphere, 2021, 273, 129658.	4.2	30
10	Influence of expandable graphite on flame retardancy and thermal stability property of unsaturated polyester resins/organic magnesium hydroxide composites. Journal of Applied Polymer Science, 2020, 137, 47881.	1.3	21
11	Multipleâ€response antiâ€counterfeiting realized in CaYAl 3 O 7 host with the dual coexistence of Eu 2+ /Eu 3 +. Journal of the American Ceramic Society, 2020, 103, 2235-2243.	1.9	13
12	Nature-mimic fabricated polydopamine/MIL-53(Fe): efficient visible-light responsive photocatalysts for the selective oxidation of alcohols. New Journal of Chemistry, 2020, 44, 2102-2110.	1.4	6
13	Long-persistent phosphorescence in Eu2+-doped calcium borate chloride for optical data storage. Journal of Alloys and Compounds, 2020, 825, 154143.	2.8	9
14	Direct Determination of Ultraviolet Filters in Environmental Water Samples using Solid-phase Microextraction with Functionalized Gold Nanoparticles Coating. Journal of Water Chemistry and Technology, 2020, 42, 390-397.	0.2	1
15	Anti-evaporation Performance of Water in Soil of Superabsorbent Resin with Fast Water Absorption Rate. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	11
16	Long persistent luminescence properties of NaBaScSi2O7: Tb3+ and itâ€™s applications above room temperature. Chemical Engineering Journal, 2020, 401, 126119.	6.6	32
17	Fabrication of ZIFâ€8@Polyphosphazene coreâ€shell structure and its efficient synergism with ammonium polyphosphate in flameâ€retarding epoxy resin. Polymers for Advanced Technologies, 2020, 31, 997-1006.	1.6	27
18	A Simple and Effective Method for Catalytic Oxidation of Alcohols Using the Oxone/Bu4NHSO4 Oxidation System. Russian Journal of Organic Chemistry, 2020, 56, 521-523.	0.3	4

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19	A Study of Emission Color-Tuning in Yellow Long Persistent Phosphor (Sr_{1-x}Ca_x)₃B₂O₆: Eu²⁺, Dy³⁺. ECS Journal of Solid State Science and Technology, 2019, 8, R104-R108.	0.9	2
20	Traps study of Ca2BO3Cl: Eu2+ Dy3+ long-persistent phosphor by electron paramagnetic resonance. Functional Materials Letters, 2019, 12, 1950063.	0.7	2
21	Novel nanocomposites based on epoxy resin and modified magnesium hydroxide: Focus on flame retardancy and mechanical properties. Polymers for Advanced Technologies, 2019, 30, 3026-3037.	1.6	18
22	Recent developments and progress of inorganic photo-stimulated phosphors. Journal of Rare Earths, 2019, 37, 679-690.	2.5	37
23	Effect of Pr³⁺ on Site Preferences of Eu²⁺ in NaBaScSi₂O₇ and Its Optical Properties. ECS Journal of Solid State Science and Technology, 2019, 8, R70-R74.	0.9	3
24	Detection of Cell Viability via Fluorescence Labeling of Silicate Phosphor with a Low-Temperature Superlong Persistent Luminescence. ACS Applied Bio Materials, 2019, 2, 2610-2616.	2.3	4
25	Effects of Nd 3+ co-doping on the long lasting phosphorescence and optically stimulated luminescence properties of green emitting NaBaScSi 2 O 7 :Eu 2+ phosphor. Materials Research Bulletin, 2016, 84, 1-6.	2.7	15
26	Enhancement of yellow persistent luminescence in Eu2+-doped Î²-Ba3P4O13 phosphor by Ga3+ codoping. RSC Advances, 2016, 6, 48411-48414.	1.7	15
27	Design, synthesis and characterization of near-infrared long persistent phosphors Ca4(PO4)2O:Eu2+,R3+ (R = Lu, La, Gd, Ce, Tm, Y). RSC Advances, 2016, 6, 331-337.	1.7	21
28	An outlook of rare-earth activated persistent luminescence mechanisms. Journal of Rare Earths, 2016, 34, 245-250.	2.5	7
29	Photo-/cathodoluminescence and energy transfer properties of novel Ce³⁺ singly doped and Ce³⁺/Tb³⁺ codoped NaBaScSi₂O₇ phosphors. Journal of Materials Chemistry C, 2016, 4, 3304-3312.	2.7	66
30	Ca₆BaP₄O₁₇:Eu²⁺,Gd³⁺: a yellow emitting long-lasting phosphor with high brightness and long afterglow duration. New Journal of Chemistry, 2016, 40, 613-618.	1.4	18
31	Long persistent composite phosphor CaAl₂O₄:Eu²⁺,Nd³⁺/Y₃Al₅O₁₂:Ce³⁺ a novel strategy to tune the colors of persistent luminescence. New Journal of Chemistry, 2016, 40, 485-491.	1.4	39
32	Luminescent and magnetic properties of the afterglow phosphors GdSr₂AlO₅:RE³⁺ (RE³⁺ = Eu³⁺,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	22
33	Structure and luminescence properties of a novel yellow super long-lasting phosphate phosphor Ca₆BaP₄O₁₇:Eu²⁺,Ho³⁺. Journal of Materials Chemistry C, 2015, 3, 5844-5850.	2.7	73
34	Controlling and revealing the trap distributions of Ca₆BaP₄O₁₇:Eu²⁺,R³⁺ (R = Dy, Tb, Ce, Gd,) Tj ETQq0 0 0 rgBT /Overlo	2.7	67
35	Luminescence properties of a new green afterglow phosphor NaBaScSi₂O₇:Eu²⁺. Dalton Transactions, 2015, 44, 17572-17578.	1.6	27
36	Synthesis and luminescence properties of inorganic solid luminescence materials. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2015, 45, 617-634.	0.3	0

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37	Multicolor bright Ln^3+ (Ln = Eu, Dy, Sm) activated tungstate phosphor for multifunctional applications. Optical Materials Express, 2014, 4, 142.	1.6	29
38	Investigation on long-persistent luminescence of Ca2BO3Cl: Eu2+, Ln3+ (Ln=Nd, Dy, Er). Optical Materials, 2014, 36, 1819-1821.	1.7	22
39	Facile synthesis and enhancement upconversion luminescence of ErF3 nano/microstructures via Li+ doping. Journal of Materials Chemistry C, 2014, 2, 2765.	2.7	13
40	Enhancement of CdSiO3: Tb3+ green long-lasting phosphors by co-doping with Re3+ (Re3+=Gd3+, Y3+,) Tj ETQq0 0 0 rgBT /Overlock 10	1.5	6
41	Persistent luminescence property of rare earth doped BaMg2Al6Si9O30 phosphor. Journal of Luminescence, 2014, 152, 66-69.	1.5	6
42	A Long-Lasting Phosphor Ba3P4O13: Eu2+. ECS Solid State Letters, 2014, 4, R1-R3.	1.4	12
43	Enhanced long persistence of LiSr4(BO3)3:Eu2+ orange phosphors by co-doping with Dy3+. Optical Materials, 2014, 36, 1808-1813.	1.7	17
44	Filling of trap and green long persistent luminescence in Sr3Al2O5Cl2:Tb3+. Optical Materials, 2014, 36, 1850-1854.	1.7	8
45	Recent Research Progress of Long-wavelength Emitting Long-persistent Luminescence Materials. Materials Research Society Symposia Proceedings, 2014, 1592, 1.	0.1	1
46	Band structure and near infrared quantum cutting investigation of GdF3:Yb3+, Ln3+ (Ln = Ho, Tm, Er,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	24
47	Plasmonic photocatalysis properties of Au nanoparticles precipitated anatase/rutile mixed TiO2 nanotubes. Nanoscale, 2013, 5, 9739.	2.8	81
48	Preparation, characterization, and luminescent properties of CaAl2O4:Eu2+, Nd3+ nanofibers using coreâ€“sheath CaAl2O4:Eu2+, Nd3+/carbon nanofibers as templates. Journal of Materials Chemistry C, 2013, 1, 8156.	2.7	24
49	Band structure, shape controllable synthesis and luminescence properties of the precursor and final product Lu6O5F8:Eu/Tb/Ce/Dy nano/microstructures. Journal of Materials Chemistry C, 2013, 1, 7952.	2.7	11
50	Structure, enhancement and white luminescence of multifunctional Lu6O5F8:20%Yb3+,1%Er3+(Tm3+) nanoparticles via further doping with Li+ under different excitation sources. Nanoscale, 2013, 5, 2491.	2.8	54
51	Preparation and drug-delivery properties of hollow YVO₄:Ln³⁺and mesoporous YVO₄:Ln³⁺@nSiO₂@mSiO₂(Ln = Eu, Yb,) Tj ETQq1 1 0.784314 rgBT	2.1	43
52	A simple way to synthesize well-dispersed Gd2O3 nanoparticles onto reduced graphene oxide sheets. Materials Research Bulletin, 2013, 48, 37-40.	2.7	13
53	Design, synthesis and characterization of a novel yellow long-persistent phosphor: Ca2BO3Cl:Eu2+,Dy3+. Journal of Materials Chemistry C, 2013, 1, 3004.	2.7	162
54	A Red Long-Lasting Phosphorescence Material Gd_{9.33}(SiO₄)₆O₂:Sm³⁺and Effect of Oxygen Vacancies on Its Performance. ECS Journal of Solid State Science and Technology, 2013, 2, R161-R164.	0.9	18

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55	A New Long-Lasting Phosphor Ce3+ Doped Ca3Al2O6. ECS Solid State Letters, 2012, 1, R17-R19.	1.4	16
56	Highly dispersive {001} facets-exposed nanocrystalline TiO2 on high quality graphene as a high performance photocatalyst. Journal of Materials Chemistry, 2012, 22, 7484.	6.7	153
57	Long Lasting Red Phosphoresce and Photostimulated Luminescence in Ca2SnO4: Sm3+ Phosphor. Physics Procedia, 2012, 29, 62-64.	1.2	8
58	Ce3+, Mn2+ Co-doped Redâ€“light Longâ€“Lasting Phosphor: BaMg2Si2O7 Through Energy Transfer. Physics Procedia, 2012, 29, 86-90.	1.2	17
59	A facile one-step solvothermal synthesis of graphene/rod-shaped TiO2 nanocomposite and its improved photocatalytic activity. Nanoscale, 2012, 4, 4641.	2.8	120
60	Fluorescence and phosphorescence properties of new long-lasting phosphor Ba_4(Si_3O_8)_2:Eu^2+, Dy^3+. Optics Express, 2011, 19, 4310.	1.7	38
61	Luminescent Properties of the Multicolor Afterglow Phosphors <scp><scp>Ca₃SnSi₂O₉</scp></scp>:<scp><scp>Re³⁺</scp></scp> (<scp><scp>Re</scp></scp>Â=ÂPr, Tb, Sm). Journal of the American Ceramic Society, 2011, 94, 3632-3635.	1.9	22
62	Luminescence and Storage Properties of Sm-Doped Alkaline-Earth Atannates. Journal of the Electrochemical Society, 2011, 158, J305.	1.3	31
63	A NOVEL GREEN LONG-LASTING PHOSPHOR Ca₂ZnSi₂O₇:Eu²⁺. Functional Materials Letters, 2011, 04, 289-293.	0.7	7
64	Effect of oxygen vacancies on the red phosphorescence of Sr_2SnO_4:Sm^3+ phosphor. Optics Express, 2010, 18, 16989.	1.7	81