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, synthesis and characterization of a novel yellow long-persistent phosphor: Ca2BO3Cl:Eu2+,Dy3+. Journal of Materials Chemistry C, 2013, 1, 3004.	2.7	162
2	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
3	A facile one-step solvothermal synthesis of graphene/rod-shaped TiO2 nanocomposite and its improved photocatalytic activity. Nanoscale, 2012, 4, 4641.	2.8	120
4	Effect of oxygen vacancies on the red phosphorescence of Sr_2SnO_4:Sm^3+ phosphor. Optics Express, 2010, 18, 16989.	1.7	81
5	Plasmonic photocatalysis properties of Au nanoparticles precipitated anatase/rutile mixed TiO2 nanotubes. Nanoscale, 2013, 5, 9739.	2.8	81
6	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
7	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
8	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
9	Controlling and revealing the trap distributions of Ca₆BaP₄O₁₇:Eu²⁺,R³⁺ (R = Dy, Tb, Ce, Gd,) Tj ETQq1 1 0.784314 rgB	2.7	44
10	Preparation and drug-delivery properties of hollow YVO₄:Ln³⁺and mesoporous YVO₄:Ln³⁺@nSiO₂@mSiO₂(Ln = Eu, Yb,) Tj ETQq0 0 0 rgBT /Overlock	4.9	44
11	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
12	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
13	Recent developments and progress of inorganic photo-stimulated phosphors. Journal of Rare Earths, 2019, 37, 679-690.	2.5	37
14	Long persistent luminescence properties of NaBaScSi2O7: Tb3+ and itâ€™s applications above room temperature. Chemical Engineering Journal, 2020, 401, 126119.	6.6	32
15	Luminescence and Storage Properties of Sm-Doped Alkaline-Earth Atannates. Journal of the Electrochemical Society, 2011, 158, J305.	1.3	31
16	Preparation of a novel functionalized magnesium-based curing agent as an intrinsic flame retardant for epoxy resin. Chemosphere, 2021, 273, 129658.	4.2	30
17	Multicolor bright Ln^3+ (Ln = Eu, Dy, Sm) activated tungstate phosphor for multifunctional applications. Optical Materials Express, 2014, 4, 142.	1.6	29
18	Luminescence properties of a new green afterglow phosphor NaBaScSi₂O₇:Eu²⁺. Dalton Transactions, 2015, 44, 17572-17578.	1.6	27

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19	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
20	Band structure and near infrared quantum cutting investigation of GdF3:Yb3+, Ln3+ (Ln = Ho, Tm, Er,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.3	24
21	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
22	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
23	Investigation on long-persistent luminescence of Ca2BO3Cl: Eu2+, Ln3+ (Ln=Nd, Dy, Er). Optical Materials, 2014, 36, 1819-1821.	1.7	22
24	Luminescent and magnetic properties of the afterglow phosphors GdSr₂AlO₅:RE³⁺ (RE³⁺ = Eu³⁺,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	22
25	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
26	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
27	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
28	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
29	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
30	Ce3+, Mn2+ Co-doped Redâ€“light Longâ€“Lasting Phosphor: BaMg2Si2O7 Through Energy Transfer. Physics Procedia, 2012, 29, 86-90.	1.2	17
31	Enhanced long persistence of LiSr4(BO3)3:Eu2+ orange phosphors by co-doping with Dy3+. Optical Materials, 2014, 36, 1808-1813.	1.7	17
32	Preparation and anti-leakage properties of hydroxyethyl cellulose-g-poly (butyl acrylate-co-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	5.1	17
33	A New Long-Lasting Phosphor Ce3+ Doped Ca3Al2O6. ECS Solid State Letters, 2012, 1, R17-R19.	1.4	16
34	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
35	Enhancement of yellow persistent luminescence in Eu2+-doped Î²-Ba3P4O13 phosphor by Ga3+ codoping. RSC Advances, 2016, 6, 48411-48414.	1.7	15
36	A simple way to synthesize well-dispersed Gd2O3 nanoparticles onto reduced graphene oxide sheets. Materials Research Bulletin, 2013, 48, 37-40.	2.7	13

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37	Facile synthesis and enhancement upconversion luminescence of ErF3 nano/microstructures via Li+ doping. Journal of Materials Chemistry C, 2014, 2, 2765.	2.7	13
38	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
39	A Long-Lasting Phosphor Ba3P4O13: Eu2+. ECS Solid State Letters, 2014, 4, R1-R3.	1.4	12
40	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
41	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
42	Long-persistent phosphorescence in Eu2+-doped calcium borate chloride for optical data storage. Journal of Alloys and Compounds, 2020, 825, 154143.	2.8	9
43	Long Lasting Red Phosphoresce and Photostimulated Luminescence in Ca2SnO4: Sm3+ Phosphor. Physics Procedia, 2012, 29, 62-64.	1.2	8
44	Filling of trap and green long persistent luminescence in Sr3Al2O5Cl2:Tb3+. Optical Materials, 2014, 36, 1850-1854.	1.7	8
45	A NOVEL GREEN LONG-LASTING PHOSPHOR Ca₂ZnSi₂O₇:Eu²⁺. Functional Materials Letters, 2011, 04, 289-293.	0.7	7
46	An outlook of rare-earth activated persistent luminescence mechanisms. Journal of Rare Earths, 2016, 34, 245-250.	2.5	7
47	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
48	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
49	Persistent luminescence property of rare earth doped BaMg2Al6Si9O30 phosphor. Journal of Luminescence, 2014, 152, 66-69.	1.5	6
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	A novel sustainable luminescent ABS composite material for 3D printing. European Polymer Journal, 2022, 176, 111406.	2.6	3
58	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
59	Traps study of Ca2BO3Cl: Eu2+ Dy3+ long-persistent phosphor by electron paramagnetic resonance. Functional Materials Letters, 2019, 12, 1950063.	0.7	2
60	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
61	Recent Research Progress of Long-wavelength Emitting Long-persistent Luminescence Materials. Materials Research Society Symposia Proceedings, 2014, 1592, 1.	0.1	1
62	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
63	A triphenylamine-based aggregation-enhanced emission probe for viscosity and polarity analysis of lubricating oils. Analytical Methods, 2022, , .	1.3	1
64	Synthesis and luminescence properties of inorganic solid luminescence materials. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2015, 45, 617-634.	0.3	0