Zhipeng Ci

List of Publications by Year
in descending order

47 papers	1,902 citations	257450 24 h-index	254184 43 g-index
47 all docs	47 docs citations	47 times ranked	2056 citing authors

#	Article	IF	Citations
1	Environmentally stable one-dimensional copper halide based ultra-flexible composite film for low-cost X-ray imaging screens. Chemical Engineering Journal, 2022, 430, 132826.	12.7	28
2	Fine coverage and uniform phase distribution in 2D (PEA)2Cs3Pb4I13 solar cells with a record efficiency beyond 15%. Nano Energy, 2022, 92, 106790.	16.0	19
3	Photophysics in Zeroâ€Dimensional Potassiumâ€Doped Cesium Copper Chloride Cs₃Cu₂Cl₅ Nanosheets and Its Application for Highâ€Performance Flexible Xâ€Ray Detection. Advanced Optical Materials, 2022, 10, .	7.3	49
4	Deuterated <i>N</i>,<i>N</i>-dimethylformamide (DMF-d7) as an additive to enhance the CsPbI₃ solar cell efficiency. Journal of Materials Chemistry C, 2022, 10, 1746-1753.	5.5	9
5	Two-dimensional BA₂PbBr₄-based wafer for X-rays imaging application. Materials Chemistry Frontiers, 2022, 6, 1310-1316.	5.9	12
6	Low-Trap-Density CsPbX₃ Film for High-Efficiency Indoor Photovoltaics. ACS Applied Materials & Interfaces, 2022, 14, 11528-11537.	8.0	13
7	A Novel Multipleâ€Ring Aromatic Spacer Based 2D Ruddlesdenâ€"Popper CsPbI₃Solar Cell with Record Efficiency Beyond 16%. Advanced Functional Materials, 2022, 32, .	14.9	16
8	Research and progress of black metastable phase CsPbI₃solar cells. Materials Chemistry Frontiers, 2021, 5, 1221-1235.	5.9	28
9	Halide perovskites for high-performance X-ray detector. Materials Today, 2021, 48, 155-175.	14.2	163
10	Self-assembled template-confined growth of ultrathin CsPbBr3 nanowires. Applied Materials Today, 2020, 18, 100449.	4.3	10
11	Dual-mode temperature sensitive fluorescence phenomenon based on reconstruction of multi-level system in BaCaLu2F10 micro-nanocrystals. Journal of Alloys and Compounds, 2020, 820, 153190.	5.5	3
12	Crystallization Kinetics in 2D Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 2002558.	19.5	124
13	The <i>J</i>â€"<i>V</i> Hysteresis Behavior and Solutions in Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000586.	5.8	27
14	A useful valence-alterable optical probe for the prediction of material characteristics based on theoretical calculations. Physical Chemistry Chemical Physics, 2020, 22, 18711-18721.	2.8	2
15	Decreasing energy loss and optimizing band alignment for high performance CsPbI₃solar cells through guanidine hydrobromide post-treatment. Journal of Materials Chemistry A, 2020, 8, 10346-10353.	10.3	40
16	Ultrastable Laurionite Spontaneously Encapsulates Reduced-dimensional Lead Halide Perovskites. Nano Letters, 2020, 20, 2316-2325.	9.1	20
17	Strategies for Improving the Stability of Tinâ€Based Perovskite (ASnX₃) Solar Cells. Advanced Science, 2020, 7, 1903540.	11.2	123
18	The fluorescence self-healing mechanism and temperature-sensitive properties of a multifunctional phosphosilicate phosphor. Journal of Materials Science, 2019, 54, 6434-6450.	3.7	10

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19	Multilevel Staticâ€"Dynamic Anticounterfeiting Based on Stimuli-Responsive Luminescence in a Niobate Structure. ACS Applied Materials & Interfaces, 2019, 11, 20150-20156.	8.0	81
20	An energy self-compensating phosphosilicate material applied to temperature sensors. RSC Advances, 2018, 8, 38538-38549.	3.6	3
21	Luminescence and thermal stability enhancement by matrix luminescence center dispersion in Sc(V,) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	3
22	Design principle of all-inorganic halide perovskite-related nanocrystals. Journal of Materials Chemistry C, 2018, 6, 12484-12492.	5.5	38
23	A potential temperature-sensitive fluorescent material based on thermal coupling effect for temperature sensors. Energy, 2018, 159, 429-439.	8.8	14
24	Efficient Mechanoluminescent Elastomers for Dualâ€Responsive Anticounterfeiting Device and Stretching/Strain Sensor with Multimode Sensibility. Advanced Functional Materials, 2018, 28, 1803168.	14.9	149
25	Spy Must Be Spotted: A Multistimuli-Responsive Luminescent Material for Dynamic Multimodal Anticounterfeiting and Encryption. ACS Applied Materials & Interfaces, 2018, 10, 21451-21457.	8.0	96
26	Preparation and performance investigation of polydimethylsiloxane microsphere/polyvinyl alcohol composite hydrogel. Materials Letters, 2018, 228, 399-402.	2.6	5
27	Structural, persistent luminescence properties and trap characteristics of an orthosilicate phosphor: LiGaSiO4:Mn2+. Journal of Alloys and Compounds, 2017, 721, 512-519.	5.5	23
28	A thermal-sensitizing and thermochromic phosphor. Journal of Materials Chemistry C, 2017, 5, 10369-10374.	5.5	27
29	Luminescence Mechanism and Thermal Stabilities of a White Silicate Phosphor for Multifunctional Applications. Journal of the American Ceramic Society, 2017, 100, 193-203.	3.8	16
30	Long Persistent Phosphor CdSiO₃:Gd³⁺,Bi³⁺ and Potential Photocatalytic Application of CdSiO₃:Gd³⁺,Bi³⁺@TiO₂ in Dark. Journal of the American Ceramic Society, 2016, 99, 2368-2375.	3.8	26
31	A vivid example of turning waste into treasure: persistent luminescence of Ca₂Ga₂(Si,Ge)O₇:Pr³⁺,Yb³⁺ phosphor tailored by band gap engineering. Journal of Materials Chemistry C, 2016, 4, 10026-10031.	5.5	23
32	Nonequivalent Substitution and Charge-Induced Emitter-Migration Design of Tuning Spectral and Duration Properties of NaCa₂GeO₄F:Mn²⁺ Persistent Luminescent Phosphor. Inorganic Chemistry, 2016, 55, 7988-7996.	4.0	19
33	Temperatureâ€Sensitive Photoluminescence Property and Energy Transfer Mechanism in the Silicate Phosphor MgY₄Si₃O₁₃: Eu³⁺. Journal of the American Ceramic Society, 2015, 98, 2488-2492.	3.8	30
34	Host-sensitized white light-emitting phosphor MgY₄Si₃O₁₃:Dy³⁺with satisfactory thermal properties for UV-LEDs. CrystEngComm, 2015, 17, 4982-4986.	2.6	27
35	Optimization luminescence properties and energy transfer mechanism with temperature change of Sr3Ga2O5Cl2:Eu3+, Bi3+ phosphors. Materials Research Bulletin, 2015, 70, 822-826.	5.2	7
36	How to induce highly efficient long-lasting phosphorescence in a lamp with a commercial phosphor: a facile method and fundamental mechanisms. Journal of Materials Chemistry C, 2015, 3, 8030-8038.	5.5	43

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37	Photoluminescent and thermal properties of (Sr0.995â˘’xâ˘’yâ˘’zCaxBayMgz)2SiO4:0.01Eu2+ phosphors for warm white light-emitting diodes. Materials Research Bulletin, 2015, 61, 146-151.	5.2	6
38	Warm white light generation from a single phase Dy³⁺ doped Mg₂Al₄Si₅O₁₈ phosphor for white UV-LEDs. Physical Chemistry Chemical Physics, 2014, 16, 11597-11602.	2.8	113
39	Enhanced Photoluminescence and Thermal Properties of Size Mismatch in Sr_{2.97â€"<i>x</i>â€"<i>y</i>}Eu_{0.03}Mg_{<i>x</i>}Ba_{<i>y</i>}SiO₅ for High-Power White Light-Emitting Diodes. Inorganic Chemistry, 2014, 53, 2195-2199.	4.8	36
40	Structure, photoluminescence and thermal properties of Ce³⁺, Mn²⁺ co-doped phosphosilicate Sr₇La₃[(PO₄)_{2.5}(SiO₄)₃(BO₄)<sub>0.5</s emission-tunable phosphor. Journal of Materials Chemistry C, 2014, 2, 5850-5856.	5.5	45
41	Pure near-infrared to near-infrared upconversion of multifunctional Tm3+ and Yb3+ co-doped NaGd(WO4)2 nanoparticles. Journal of Materials Chemistry C, 2014, 2, 4495-4501.	5.5	38
42	Photoluminescence, thermal properties and energy transfer mechanism of Ce 3+ , Tb 3+ co-activated Sr 8 Si 4 O 12 Cl 8 phosphor. Materials Research Bulletin, 2014, 60, 279-284.	5.2	4
43	A new type of color tunable composite phosphor Y2SiO5:Ce/Y3Al5O12:Ce for field emission displays. Journal of Materials Chemistry C, 2013, 1, 4490.	5.5	37
44	Crystal structure and luminescence properties of a cyan emitting Ca10(SiO4)3(SO4)3F2:Eu2+ phosphor. CrystEngComm, 2013, 15, 6389.	2.6	58
45	Synthesis, crystal structure and luminescence characteristics of a novel red phosphor Ca19Mg2(PO4)14:Eu3+ for light emitting diodes and field emission displays. Journal of Materials Chemistry C, 2013, 1, 5960.	5.5	173
46	Synthesis and Photoluminescence of a New Chlorogermanate Phosphor <scp><scp>Ca</scp></scp>₈<scp><scp>Mg</scp></scp>(<scp><scp>GeO</scp></scp>₄)₄<sc Journal of the American Ceramic Society, 2013, 96, 223-227.	3.8	7
47	Structure and Photoluminescence Properties of Ca₉Al(PO₄)₇: Ce³⁺, Mn²⁺Phosphors. ECS Journal of Solid State Science and Technology, 2012, 1, R92-R97.	1.8	19