

Yuexiao Pan

List of Publications by Year in descending order

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52
papers

2,209
citations

279701

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docs citations

52
times ranked

1427
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailored photoluminescence of YAG:Ce phosphor through various methods. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 845-850.	1.9	320
2	Comparative investigation on synthesis and photoluminescence of YAG:Ce phosphor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 106, 251-256.	1.7	239
3	Hydrothermal synthesis and photoluminescence properties of red phosphor BaSiF ₆ :Mn ⁴⁺ for LED applications. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2301.	2.7	156
4	The formation mechanism, improved photoluminescence and LED applications of red phosphor K ₂ SiF ₆ :Mn ⁴⁺ . <i>Journal of Materials Chemistry C</i> , 2014, 2, 3879-3884.	2.7	142
5	Designed synthesis, morphology evolution and enhanced photoluminescence of a highly efficient red dodecafluoride phosphor, Li ₃ Na ₃ Ga ₂ F ₁₂ :Mn ⁴⁺ , for warm WLEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 491-499.	2.7	109
6	Optimized photoluminescence of red phosphor K ₂ TiF ₆ :Mn ⁴⁺ synthesized at room temperature and its formation mechanism. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1935-1941.	2.7	107
7	A red phosphor BaTiF ₆ :Mn ⁴⁺ : reaction mechanism, microstructures, optical properties, and applications for white LEDs. <i>Dalton Transactions</i> , 2014, 43, 9414-9418.	1.6	100
8	Tunable luminescence and energy transfer properties of Bi ³⁺ and Mn ⁴⁺ co-doped Ca ₁₄ Al ₁₀ Zn ₆ O ₃₅ phosphors for agricultural applications. <i>RSC Advances</i> , 2017, 7, 14868-14875.	1.7	90
9	Design, preparation, and optimized luminescence of a dodecafluoride phosphor Li ₃ Na ₃ Al ₂ F ₁₂ :Mn ⁴⁺ for warm WLED applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10241-10250.	2.7	84
10	Room-temperature synthesis and optimized photoluminescence of a novel red phosphor NaKSnF ₆ :Mn ⁴⁺ for application in warm WLEDs. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9255-9263.	2.7	79
11	Mn ⁴⁺ -doped (NH ₄) ₂ TiF ₆ and (NH ₄) ₂ SiF ₆ micro-crystal phosphors: synthesis through ion exchange at room temperature and their photoluminescence properties. <i>RSC Advances</i> , 2016, 6, 76251-76258.	1.7	47
12	Optimized photoluminescence of red phosphor Na ₂ SnF ₆ :Mn ⁴⁺ as red phosphor in the application in warm white LEDs. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2005-2015.	1.9	45
13	Dual-emissions with energy transfer from the phosphor Ca ₁₄ Al ₁₀ Zn ₆ O ₃₅ :Bi ³⁺ , Eu ³⁺ for application in agricultural lighting. <i>Journal of Alloys and Compounds</i> , 2017, 724, 735-743.	2.8	41
14	Tunable Yellow-Red Photoluminescence and Persistent Afterglow in Phosphors Ca ₄ LaO(BO ₃) ₃ :Eu ³⁺ and Ca ₄ EuO(BO ₃) ₃ . <i>Inorganic Chemistry</i> , 2016, 55, 11249-11257.	1.9	40
15	A novel red phosphor of Mn ⁴⁺ -ion-doped oxyfluoroniobate BaNbOF ₅ for warm WLED applications. <i>CrystEngComm</i> , 2018, 20, 5641-5646.	1.3	39
16	Abnormal site occupancy and high performance in warm WLEDs of a novel red phosphor, NaHF ₂ :Mn ⁴⁺ , synthesized at room temperature. <i>Dalton Transactions</i> , 2017, 46, 13835-13844.	1.6	38
17	Reduction of Mn ⁴⁺ to Mn ²⁺ in CaAl ₁₂ O ₁₉ by co-doping charge compensators to obtain tunable photoluminescence. <i>RSC Advances</i> , 2013, 3, 4510.	1.7	34
18	A Facile Route to BaSiF ₆ :Mn ⁴⁺ Phosphor with Intense Red Emission and Its Humidity Stability. <i>Journal of the American Ceramic Society</i> , 2016, 99, 3008-3014.	1.9	34

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19	A novel red phosphor of seven-coordinated Mn ⁴⁺ ion-doped tridecafluorodizirconate Na ₅ Zr ₂ F ₁₃ for warm WLEDs. Dalton Transactions, 2018, 47, 5614-5621.	1.6	33
20	4-Bromo-Butyric Acid-Assisted In Situ Passivation Strategy for Superstable All-Inorganic Halide Perovskite CsPbX ₃ Quantum Dots in Polar Media. Angewandte Chemie - International Edition, 2022, 61, .	7.2	33
21	White-light-emitting flexible display devices based on double network hydrogels crosslinked by YAG:Ce phosphors. Journal of Materials Chemistry C, 2020, 8, 247-252.	2.7	32
22	Improved luminescence properties of a novel red dodec-fluoride phosphor Ba ₃ Sc ₂ F ₁₂ :Mn ⁴⁺ with extraordinary thermal stability for WLED application. Journal of Materials Chemistry C, 2020, 8, 6299-6305.	2.7	29
23	Tailored photoluminescence properties of a red phosphor BaSnF ₆ :Mn ⁴⁺ synthesized from Sn metal at room temperature and its formation mechanism. Materials Research Bulletin, 2017, 86, 57-62.	2.7	26
24	A novel tunable green-to-red emitting phosphor Ca ₄ LaO(BO ₃) ₃ :Tb,Eu via energy transfer with high quantum yield. Ceramics International, 2016, 42, 13476-13484.	2.3	22
25	Improved Moisture-Resistant and Luminescence Properties of a Red Phosphor Based on Dodec-fluoride K ₃ RbGe ₂ F ₁₂ :Mn ⁴⁺ through Surface Modification. Inorganic Chemistry, 2021, 60, 231-238.	1.9	22
26	Optimized photoluminescence properties of a novel red phosphor LiSrAlF ₆ :Mn ⁴⁺ synthesized at room-temperature. Journal of Alloys and Compounds, 2019, 774, 331-337.	2.8	21
27	Synthesis and improved photoluminescence of a novel red phosphor LiSrGaF ₆ :Mn ⁴⁺ for applications in warm WLEDs. Dalton Transactions, 2018, 47, 12944-12950.	1.6	20
28	Color tunable phosphor CaMoO ₄ :Eu ³⁺ ,Li ⁺ via energy transfer of MoO ₄ ²⁻ →Eu ³⁺ dependent on morphology and doping concentration. Materials Research Bulletin, 2013, 48, 1034-1039.	2.7	19
29	Luminescence properties and thermal stability of a red phosphor ZnSiF ₆ ·6H ₂ O:Mn ⁴⁺ synthesized by the one-step hydrothermal method. Journal of Luminescence, 2014, 152, 214-217.	1.5	19
30	A review on the structural dependent optical properties and energy transfer of Mn ⁴⁺ and multiple ion-codoped complex oxide phosphors. RSC Advances, 2021, 11, 760-779.	1.7	18
31	A red phosphor of Ba ₃ In ₂ F ₁₂ :Mn ⁴⁺ with enhanced moisture stability for warm WLED application. Journal of Luminescence, 2022, 242, 118564.	1.5	18
32	Te ⁴⁺ -doped zero-dimensional Cs ₂ ZnCl ₄ single crystals for broadband yellow light emission. Journal of Materials Chemistry C, 2021, 10, 204-209.	2.7	17
33	Pressure-induced structural transitions of a room temperature ionic liquid 1-ethyl-3-methylimidazolium chloride. Journal of Chemical Physics, 2017, 146, .	1.2	16
34	Enhanced photoluminescence and phosphorescence properties of green phosphor Zn ₂ GeO ₄ :Mn ²⁺ via composition modification with GeO ₂ and MgF ₂ . Dalton Transactions, 2016, 45, 9506-9512.	1.6	15
35	Large Spectral Shift of Mn ²⁺ Emission Due to the Shrinkage of the Crystalline Host Lattice of the Hexagonal CsCdCl ₃ Crystals and Phase Transition. Inorganic Chemistry, 2022, 61, 8356-8365.	1.9	15
36	Formation mechanism and optimized luminescence of Mn ⁴⁺ -doped unequal dual-alkaline hexafluorosilicate Li _{0.5} Na _{1.5} SiF ₆ . Journal of the American Ceramic Society, 2018, 101, 4983-4993.	1.9	14

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37	Significantly enhanced the humidity resistance of a novel red phosphor CsNaGe _{0.5} Sn _{0.5} F ₆ :Mn ⁴⁺ through surface modification. Chemical Engineering Journal, 2021, 420, 127673.	6.6	12
38	Synthesis and improved photoluminescence of hexagonal crystals of Li ₂ ZrF ₆ :Mn ⁴⁺ for warm WLED application. Dalton Transactions, 2018, 47, 16516-16523.	1.6	11
39	Optimization of the luminescence efficiency and moisture stability of a red phosphor KRb ₃ Ge ₂ F ₁₂ :Mn ⁴⁺ for indoor plant growth LED applications. Ceramics International, 2022, 48, 4208-4215.	2.3	11
40	Bright tunable luminescence of Sb ³⁺ doping in zero-dimensional lead-free halide Cs ₃ ZnCl ₅ perovskite crystals. Dalton Transactions, 2022, 51, 10029-10035.	1.6	9
41	A novel green-to-yellow emitting phosphor: BaSi ₂ SN _{2.67} :Eu ²⁺ for potential application in UV-LEDs. Optical Materials, 2013, 35, 1273-1275.	1.7	7
42	Upconversion Luminescence of Tb ³⁺ and Yb ³⁺ Co-doped Hexagonal and Monoclinic GdPO ₄ Nanophosphors. Integrated Ferroelectrics, 2013, 146, 115-121.	0.3	4
43	Comparative investigation on solvent-related morphology and luminescence properties of a novel red phosphor NaRbSnF ₆ :Mn ⁴⁺ for WLEDs application. Journal of Luminescence, 2020, 228, 117577.	1.5	4
44	Improved Luminescence of Red Phosphor CaAl ₁₂ O ₁₉ :Mn ⁴⁺ by Modification of Synthesis Process. Science of Advanced Materials, 2017, 9, 480-484.	0.1	4
45	4-Bromo-Butyric Acid-Assisted In Situ Passivation Strategy for Superstable All-Inorganic Halide Perovskite CsPbX ₃ Quantum Dots in Polar Media. Angewandte Chemie, 2022, 134, .	1.6	4
46	<i>In situ</i> organic solvent-free synthesis of a novel red emitting Mn ⁴⁺ doped KRbGeF ₆ phosphor at the room temperature. Dalton Transactions, 2020, 49, 13226-13232.	1.6	3
47	Mesoporous Red Nanophosphor CaTiO ₃ :Pr ³⁺ Fabricated by Sol-Gel. Integrated Ferroelectrics, 2015, 163, 8-14.	0.3	2
48	Cation Conformational Changes of 1-Butyl-3-methylimidazolium Halides at High Pressures. Journal of Physical Chemistry C, 2018, 122, 9320-9331.	1.5	2
49	Acetate-triggered morphology evolution and improved photoluminescence performance of K ₂ NaInF ₆ :Mn ⁴⁺ crystals for wide applications. Journal of Luminescence, 2022, 249, 119011.	1.5	2
50	Tailored Structure and Luminescent Properties of Sm ³⁺ Doped Zirconia. Integrated Ferroelectrics, 2013, 147, 131-138.	0.3	1
51	Spontaneous Growth of Dendrite CaTiO ₃ :Pr ³⁺ Frameworks Assembled by Nanoslices Under Mild Sol-Hydrothermal Condition. Integrated Ferroelectrics, 2012, 137, 46-51.	0.3	0
52	Evaporation-induced nano- to micro-sized transformation of photoluminescent Cs ₄ PbBr ₆ crystals. Journal of Materials Chemistry C, 0, , .	2.7	0