Xufeng Zhou

List of Publications by Year
in descending order

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22	754	567281 15	677142 22
papers	citations	h-index	g-index

22	22	22	556
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Ultravioletâ€“Visible and Nearâ€Infraredâ€Responded Broadband NIR Phosphor and Its NIR Spectroscopy Application. Advanced Optical Materials, 2020, 8, 1902003.	7.3	171
2	Structural design of new Ce³⁺/Eu²⁺-doped or co-doped phosphors with excellent thermal stabilities for WLEDs. Journal of Materials Chemistry C, 2019, 7, 1792-1820.	5.5	101
3	NaBaY(BO₃)₂:Ce³⁺,Tb³⁺: A novel sharp greenâ€emitting phosphor used for WLED and FEDs. Journal of the American Ceramic Society, 2018, 101, 4560-4571.	3.8	53
4	Density-functional theory calculations, luminescence properties and fluorescence ratiometric thermo-sensitivity for a novel borate based red phosphor: NaBaSc(BO₃)₂:Ce³⁺,Mn²⁺. Journal of Materials Chemistry C, 2019, 7, 1982-1990.	5.5	47
5	K₇Ca₉[Si₂O₇]₄F:Ce³⁺: a novel blue-emitting phosphor with good thermal stability for ultraviolet-excited light emitting diodes. Journal of Materials Chemistry C, 2017, 5, 11605-11613.	5.5	43
6	K4CaGe3O9:Mn2+,Yb3+: a novel orange-emitting long persistent luminescent phosphor with a special nanostructure. Journal of Materials Chemistry C, 2018, 6, 7353-7360.	5.5	38
7	Ce³⁺ and Tb³⁺ singly- and co-doped MgGd₄Si₃O₁₃ for ultraviolet light emitting diodes and field emission displays. Journal of Materials Chemistry C, 2015, 3, 3676-3683.	5.5	36
8	Structure, bandgap, photoluminescence evolution and thermal stability improved of Sr replacement apatite phosphors Ca10-xSrx(PO4)6F2:Eu2+ (x = 4, 6, 8). Dyes and Pigments, 2018, 152, 75-84.	3.7	32
9	Color-Tunable Phosphor [Mg_{1.25}Si_{1.25}Al_{2.5}]O₃N₃:Eu²⁺â€”A New Modified Polymorph of AlON with Double Sites Related Luminescence and Low Thermal Quenching. ACS Applied Materials & Interfaces, 2018, 10, 37307-37315.	8.0	32
10	Mechanism analysis of a narrow-band ultra-bright green phosphor with its prospect in white light-emitting diodes and field emission displays. Journal of Materials Chemistry C, 2019, 7, 2257-2266.	5.5	32
11	Designing a novel red to near-infrared persistent phosphor CaMgGe₂O₆:Mn²⁺,Sm³⁺based on a vacuum referred binding energy diagram. Dalton Transactions, 2019, 48, 11052-11062.	3.3	31
12	Site occupation and energy transfer of Ce³⁺-activated lithium nitridosilicate Li₂SrSi₂N₄ with broad-yellow-light-emitting property and excellent thermal stability. Journal of Materials Chemistry C, 2018, 6, 3435-3444.	5.5	27
13	A novel blue-emitting Eu²⁺-doped chlorine silicate phosphor with a narrow band for illumination and displays: structure and luminescence properties. CrystEngComm, 2019, 21, 3660-3667.	2.6	19
14	Ca 2 Na 2 La 6 (SiO 4) 4 (PO 4) 2 O: Eu 2+ /Eu 3+ : A visual dualâ€emitting fluorescent ratiometric temperature sensor. Journal of the American Ceramic Society, 2019, 102, 5443-5453.	3.8	18
15	A novel Bi3+-Activated garnet phosphor with site-selected excitations and high temperature sensitivity. Ceramics International, 2022, 48, 23784-23792.	4.8	16
16	Novel narrow-band blue light-emitting phosphor of Eu²⁺-activated silicate used for WLEDs. Dalton Transactions, 2021, 50, 16377-16385.	3.3	13
17	Low-Trap-Density CsPbX₃ Film for High-Efficiency Indoor Photovoltaics. ACS Applied Materials & Interfaces, 2022, 14, 11528-11537.	8.0	13
18	Multiple Charge Transfer Bands Induced Broad Excitation Eu³⁺ Red Emission in a Vanadium Phosphate System for White Light-Emitting Diodes. Inorganic Chemistry, 2022, 61, 8291-8297.	4.0	13

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19	Deuterated N,N-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
20	First-principles calculations, structure research and luminescence properties for a novel apatite blue/green phosphor Ca6Y4(SiO4)2(PO4)4O2:Eu2+/Tb3+. Journal of Luminescence, 2019, 211, 276-283.	3.1	5
21	MgGd₄Si₃O₁₃:Ce³⁺, Mn²⁺: A Dual-Excitation Temperature Sensor. ACS Omega, 2022, 7, 6481-6487.	3.5	3
22	Potential single-phased white-emitting phosphor (Ca_{0.33}Sr_{0.67})₇(SiO₃)₆Cl₂: Ce³⁺, Eu²⁺ for ultraviolet light-emitting diode. RSC Advances, 2016, 6, 108964-108968.	3.6	2