Dawei Wen

List of Publications by Year
in descending order

27 papers	1,526 citations	411340 20 h-index	591227 27 g-index
27 all docs	27 docs citations	27 times ranked	1145 citing authors

#	Article	IF	Citations
1	Highly efficient and zero-thermal-quenching blue-emitting Eu2+-activated K-beta-alumina phosphors. Chemical Engineering Journal, 2022, 429, 132225.	6.6	36
2	New Structural Design Strategy: Optical Center VO₄-Activated Broadband Yellow Phosphate Phosphors for High-Color-Rendering WLEDs. ACS Sustainable Chemistry and Engineering, 2022, 10, 3757-3765.	3.2	21
3	Disorderâ€"Order Conversionâ€Induced Enhancement of Thermal Stability of Pyroxene Nearâ€Infrared Phosphors for Lightâ€Emitting Diodes. Angewandte Chemie, 2022, 134, .	1.6	17
4	Disorderâ€"Order Conversionâ€Induced Enhancement of Thermal Stability of Pyroxene Nearâ€Infrared Phosphors for Lightâ€Emitting Diodes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	51
5	A new class of battery-free, mechanically powered, piezoelectric Ca₅Ga₆O₁₄:Tb³⁺ phosphors with self-recoverable luminescence. Journal of Materials Chemistry C, 2022, 10, 9554-9562.	2.7	10
6	A super stable Near-Infrared garnet phosphor resistant to thermal Quenching, thermal degradation and hydrolysis. Chemical Engineering Journal, 2022, 449, 137892.	6.6	22
7	Discovery of a new phosphorviaaliovalent cation substitution: DFT predictions, phase transition and luminescence properties for lighting and anti-counterfeiting applications. Journal of Materials Chemistry C, 2021, 9, 1622-1631.	2.7	14
8	Regulation of double luminescence centers based on the evolution of disordered local structure for ratiometric temperature sensing applications. Materials Chemistry Frontiers, 2021, 5, 6256-6264.	3.2	8
9	Improving the thermal stability and luminescent efficiency of (Ba,Sr)3SiO5:Eu2+ phosphors by structure, bandgap engineering and soft chemistry synthesis method. Chemical Engineering Journal, 2021, 410, 128367.	6.6	53
10	Cation sites modification enhanced luminescence and thermal quenching characteristic in the blue light-emitting Na3Sc2-xZnx(PO4)3:0.03Eu2+ phosphors. Journal of Luminescence, 2020, 228, 117615.	1.5	8
11	Delayed Concentration Quenching of Luminescence Caused by Eu³⁺-Induced Phase Transition in LaSc₃(BO₃)₄. Chemistry of Materials, 2020, 32, 6958-6967.	3.2	71
12	Highly Robust Oxynitride Phosphor against Thermal Oxidization and Hydrolysis. ACS Sustainable Chemistry and Engineering, 2020, 8, 12286-12294.	3.2	25
13	Super stable (Ba,Sr)LuAl₂Si₂O₂N₅:Ce³⁺,Eu²⁺phosphors. Journal of Materials Chemistry C, 2020, 8, 4510-4517.	2.7	24
14	Site-selective occupation of Eu2+ activators toward full-visible-spectrum emission in well-designed borophosphate phosphors. Chemical Engineering Journal, 2020, 395, 125141.	6.6	57
15	Crystal structure and photoluminescence tuning of novel single-phase Ca₈ZnLu(PO₄)₇:Eu²⁺,Mn²⁺ phosphors for near-UV converted white light-emitting diodes. Journal of Materials Chemistry C, 2019, 7, 8374-8382.	2.7	52
16	Ce⁴⁺-Based Compounds Capable of Photoluminescence by Charge Transfer Excitation under Near-Ultravioletâ€"Visible Light. Inorganic Chemistry, 2018, 57, 14524-14531.	1.9	10
17	Site occupancy and luminescence properties of Ca₃Ln(AlO)₃(BO₃)₄:Ce³⁺,Tb³⁺,Mn²⁺ (Ln = Y, Gd). Journal of Materials Chemistry C, 2017, 5, 4578-4583.	2.7	38
18	Anomalous Orange Light-Emitting (Sr,Ba)₂SiO₄:Eu²⁺ Phosphors for Warm White LEDs. ACS Applied Materials & Interfaces, 2016, 8, 11615-11620.	4.0	83

#	Article	IF	Citations
19	Advanced red phosphors for white light-emitting diodes. Journal of Materials Chemistry C, 2016, 4, 8611-8623.	2.7	382
20	Energy transfer and luminescent properties of Ca₈MgLu(PO₄)₇:Tb³⁺/Eu³⁺ as a green-to-red color tunable phosphor under NUV excitation. RSC Advances, 2015, 5, 59830-59836.	1.7	60
21	A novel pure red phosphor Ca8MgLu(PO4)7:Eu3+ for near ultraviolet white light-emitting diodes. Ceramics International, 2015, 41, 9610-9614.	2.3	55
22	K₂Ln(PO₄)(WO₄):Tb³⁺,Eu³⁺ (Ln = Y, Gd) Tj ETQq0 0 0 rgBT /Overlock Journal of Materials Chemistry C, 2015, 3, 2107-2114.	2.7	175
23	Structure and photoluminescence properties of Na2Y2B2O7:Ce3+,Tb3+ phosphors for solid-state lighting application. Journal of Solid State Chemistry, 2014, 213, 65-71.	1.4	24
24	Studies of Terbium Bridge: Saturation Phenomenon, Significance of Sensitizer and Mechanisms of Energy Transfer, and Luminescence Quenching. ACS Applied Materials & Interfaces, 2014, 6, 10792-10801.	4.0	57
25	Photoluminescence properties of color-tunable novel Na2Ca4(PO4)2SiO4:Ce3+, Tb3+ near ultraviolet convertible phosphors. Materials Letters, 2014, 125, 63-66.	1.3	21
26	A novel narrow-line red emitting Na2Y2B2O7:Ce3+,Tb3+,Eu3+ phosphor with high efficiency activated by terbium chain for near-UV white LEDs. Dalton Transactions, 2013, 42, 16621.	1.6	93
27	Standard White-Emitting Ca₈MgY(PO₄)₇:Eu²⁺,Mn²⁺Phosphor for White-Light-Emitting LEDs. ECS Journal of Solid State Science and Technology, 2013, 2, R178-R185.	0.9	59