

Xianbo Wu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,160
citations

516215

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docs citations

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times ranked

746
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced luminescence properties of Li ₂ MgTiO ₄ : Mn ⁴⁺ , Ge ⁴⁺ phosphor via single cation substitution for indoor plant cultivation. <i>Ceramics International</i> , 2022, 48, 3070-3080.	2.3	18
2	A high thermal stability Cr ³⁺ -doped gallate far red phosphor for plant lighting: structure, luminescence enhancement and application prospect. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5829-5839.	2.7	23
3	Cold-catalytic antitumor immunity with pyroelectric black phosphorus nanosheets. <i>Chemical Science</i> , 2022, 13, 6842-6851.	3.7	14
4	Accessing deep-red emission using chemical units cosubstituted LaTiSbO ₆ :Mn ⁴⁺ phosphor. <i>Ceramics International</i> , 2022, 48, 29547-29553.	2.3	20
5	Tuning the luminescence properties of blue and far-red dual emitting Gd ₂ MgTiO ₆ : Bi ³⁺ , Cr ³⁺ phosphor for LED plant lamp. <i>Journal of the American Ceramic Society</i> , 2021, 104, 6444-6454.	1.9	17
6	Engineering cation vacancies to improve the luminescence properties of Ca ₁₄ Al ₁₀ Zn ₆ O ₃₅ : Mn ⁴⁺ phosphors for LED plant lamp. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1798-1808.	1.9	32
7	Tuning the luminescence properties of Mn ⁴⁺ -activated CaYAlO ₄ phosphor by co-doping cations for indoor plant cultivation. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4373-4383.	1.9	16
8	Synthesis and photoluminescence properties of novel red-emitting phosphor SrAl ₃ BO ₇ :Mn ⁴⁺ with enhanced emission by Mg ²⁺ /Zn ²⁺ /Ca ²⁺ incorporation for plant growth LED lighting. <i>Ceramics International</i> , 2019, 45, 23528-23539.	2.3	31
9	A novel green phosphor Sr ₈ ZnY(PO ₄) ₇ :Eu ²⁺ , Ln ³⁺ (Ln = Pr, Tm, Yb) with broad emission band for high color rendering white-lighting-emitting diodes. <i>Journal of Luminescence</i> , 2019, 214, 116600.	1.5	15
10	Novel orange-red emitting phosphor Sr ₈ ZnY(PO ₄) ₇ :Sm ³⁺ with enhanced emission based on Mg ²⁺ and Al ³⁺ incorporation for plant growth LED lighting. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 104, 360-368.	2.7	31
11	A novel Na ₃ La(PO ₄) ₂ /LaPO ₄ :Eu blue-red dual-emitting phosphor with high thermal stability for plant growth lighting. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2385-2393.	2.7	53
12	High-performance and moisture-resistant red-emitting Cs ₂ SiF ₆ :Mn ⁴⁺ for high-brightness LED backlighting. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2401-2407.	2.7	74
13	Photoluminescence properties and energy transfer in a novel Sr ₈ ZnY(PO ₄) ₇ :Tb ³⁺ ,Eu ³⁺ phosphor with high thermal stability and its great potential for application in warm white light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2927-2935.	2.7	104
14	Enhancing quantum efficiency and tuning photoluminescence properties in far-red-emitting phosphor Ca ₁₄ Ga ₁₀ Zn ₆ O ₃₅ :Mn ⁴⁺ based on chemical unit engineering. <i>Chemical Engineering Journal</i> , 2019, 374, 381-391.	6.6	112
15	Enhancing photoluminescence properties of Mn ⁴⁺ -activated Sr ₄ BaAl ₁₄ O ₂₅ red phosphors for plant cultivation LEDs. <i>Journal of the American Ceramic Society</i> , 2019, 102, 7386-7396.	1.9	16
16	Enhance the luminescence properties of Ca ₁₄ Al ₁₀ Zn ₆ O ₃₅ :Ti ⁴⁺ phosphor via cation vacancies engineering of Ca ²⁺ and Zn ²⁺ . <i>Ceramics International</i> , 2019, 45, 9977-9985.	2.3	22
17	Improved luminescence and energy-transfer properties of Ca ₁₄ Al ₁₀ Zn ₆ O ₃₅ :Ti ⁴⁺ ,Mn ⁴⁺ deep-red-emitting phosphors with high brightness for light-emitting diode (LED) plant-growth lighting. <i>Dalton Transactions</i> , 2018, 47, 13713-13721.	1.6	61
18	Tunable dual emission of Ca ₃ Al ₄ ZnO ₁₀ :Bi ³⁺ ,Mn ⁴⁺ via energy transfer for indoor plant growth lighting. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8914-8922.	2.7	134

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19	Dy ³⁺ @Mn ⁴⁺ -co-doped Ca ₁₄ Ga ₁₀ Al _m Zn ₆ O ₃₅ far-red emitting phosphors with high brightness and improved luminescence and energy transfer properties for plant growth LED lights. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8201-8210.	2.7	112
20	Research progress and application prospects of transition metal Mn ⁴⁺ -activated luminescent materials. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9143-9161.	2.7	228
21	Performance improvement by alumina coatings on Y ₃ Al ₅ O ₁₂ :Ce ³⁺ phosphor powder deposited using atomic layer deposition in a fluidized bed reactor. <i>RSC Advances</i> , 2016, 6, 76454-76462.	1.7	27