

Zhuowei Li

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

329
citations

840585

11
h-index

839398

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21
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21
docs citations

21
times ranked

250
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Eu ³⁺ ions doped novel red emission solid solution phosphors Ca ₁₈ Li ₃ (Bi,Eu)(PO ₄) ₁₄ : structure design, characteristic luminescence and abnormal thermal quenching behavior investigation. Dalton Transactions, 2019, 48, 1624-1632.	1.6	78
2	A novel temperature sensitive Sm ³⁺ doped niobate orange-red phosphor: The synthesis and characteristic luminescent property investigation. Journal of Luminescence, 2018, 196, 32-35.	1.5	42
3	Efficient and controllable photoluminescence in novel solid solution Ca _{1-x} Sr _x Hf ₄ (PO ₄) ₆ :Eu ²⁺ phosphors with high thermal stability for white light emitting diodes. CrystEngComm, 2018, 20, 4383-4394.	1.3	34
4	Novel red-emitting phosphor Ba ₃ ZrNb ₄ O ₁₅ :Pr ³⁺ : The structure, characteristic photoluminescence property and thermal quenching behaviour investigation. Materials Research Bulletin, 2018, 104, 173-178.	2.7	18
5	Novel layered niobate phosphors SrBaNb ₄ O ₁₂ :Re ³⁺ (Re= Eu, Dy, Sm and Pr): Crystal structure, electronic structure and luminescence property investigation. Journal of Luminescence, 2019, 211, 76-81.	1.5	17
6	Synthesis and luminescent properties of Sr ₂ SnO ₄ : Pr ³⁺ , M ⁺ (M=Li, Na and K) phosphors with layered perovskite-related structure. Journal of Luminescence, 2020, 226, 117423.	1.5	16
7	Structure identification and strongly enhanced luminescence of Sr ₉ Y ₂ (WO ₆) ₄ : Mn ⁴⁺ phosphors by co-doping Mg ²⁺ ions for plant growth LEDs. Journal of Luminescence, 2020, 223, 117235.	1.5	16
8	Local structure modification for identifying the site preference and characteristic luminescence property of Eu ²⁺ ions in full-color emission phosphors Sr ₁₈ Mg ₃ (PO ₄) ₁₄ :Eu ²⁺ . Journal of Alloys and Compounds, 2021, 862, 158634.	2.8	14
9	Novel rare earth free phosphors CsMg ₂ P ₃ O ₁₀ : Mn ²⁺ with efficient and ultra-broadband red emission for plant growth LEDs. Journal of the American Ceramic Society, 2022, 105, 4719-4730.	1.9	14
10	Controllable luminescence and efficient energy transfer investigation of a novel white light emission phosphor Ca ₁₉ Na ₂ Mg(PO ₄) ₁₄ : Dy ³⁺ , Tm ³⁺ with high thermal stability. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119181.	2.0	12
11	Crystal structure and characteristic luminescence properties investigation of novel red-emitting phosphor Na ₃ MgZr(PO ₄) ₃ :Eu ³⁺ for white light-emitting diodes. Journal of Materials Science: Materials in Electronics, 2018, 29, 2216-2221.	1.1	11
12	Thermal stable red phosphor Sm ³⁺ doped Na ₃ MgZr(PO ₄) ₃ : the synthesis, site occupation and photoluminescence property investigation. Journal of Materials Science: Materials in Electronics, 2017, 28, 19134-19138.	1.1	10
13	Site-selective occupation and luminescence property investigation of Ca ₁₈ Na ₃ Y(PO ₄) ₁₄ :Eu ²⁺ phosphor for full-spectrum LED. Journal of the American Ceramic Society, 2022, 105, 6449-6461.	1.9	10
14	Novel thermal stable Sm ³⁺ doped barium hafnium phosphate red phosphor: the synthesis and characteristic luminescent property investigation. Journal of Materials Science: Materials in Electronics, 2018, 29, 4895-4899.	1.1	8
15	Synthesis and luminescent properties investigation of novel red emission phosphors Ca ₇ Zn ₂ (PO ₄) ₆ : Re ³⁺ (Re=Eu, Sm and Pr). Journal of Molecular Structure, 2019, 1181, 203-208.	1.8	7
16	Structure evolution and tunable magneto-optical multifunctional property study of novel Ca ₁₈ K ₃ Sc _{1-x} Sm _x (PO ₄) ₁₄ phosphors. Journal of the American Ceramic Society, 2021, 104, 2655-2668.	1.9	5
17	Electronic structure and photoluminescence property of a novel white emission phosphor Na ₃ MgZr(PO ₄) ₃ :Dy ³⁺ for warm white light emitting diodes. Chinese Physics B, 2017, 26, 097801.	0.7	4
18	Novel orange phosphate phosphors Sr ₁₉ Mg ₂ (PO ₄) ₁₄ :Eu ²⁺ : crystal structure, luminescence and thermal quenching property investigation. Journal of Materials Science: Materials in Electronics, 2020, 31, 7164-7171.	1.1	4

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19	Synthesis, Luminescence Property and Thermal Quenching Investigation of Niobate Phosphors Ba ₃ ZrNb ₄ O ₁₅ :Eu ³⁺ under Multiple Excitations. ECS Journal of Solid State Science and Technology, 2018, 7, R94-R98.	0.9	3
20	Synthesis, Luminescence Property and Thermal Quenching Investigation of Eulytite-type Orthophosphates Ba ₇ Hf(PO ₄) ₆ :Eu ³⁺ Phosphor. ECS Journal of Solid State Science and Technology, 2019, 8, R133-R137.	0.9	3
21	Synthesis and Photoluminescence Properties of Double Perovskite Phosphor Ba ₆ Y ₂ W ₃ O ₁₈ : Mg ²⁺ , Mn ⁴⁺ for Plant Cultivation. ECS Journal of Solid State Science and Technology, 2019, 8, R119-R126.	0.9	3