

Heng Guo

List of Publications by Year in descending order

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17
papers

2,183
citations

516710

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888059

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times ranked

966
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#	ARTICLE	IF	CITATIONS
1	Synthesis and photoluminescence properties of novel highly thermal-stable red-emitting $\text{Na}_3\text{Sc}_2(\text{PO}_4)_3:\text{Eu}^{3+}$ phosphors for UV-excited white-light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2018, 741, 300-306.	5.5	247
2	Molybdenum-doping-induced photoluminescence enhancement in Eu^{3+} -activated CaWO_4 red-emitting phosphors for white light-emitting diodes. <i>Dyes and Pigments</i> , 2017, 143, 86-94.	3.7	243
3	Finding a novel highly efficient Mn^{4+} -activated $\text{Ca}_3\text{La}_2\text{W}_2\text{O}_{12}$ far-red emitting phosphor with excellent responsiveness to phytochrome PFR: Towards indoor plant cultivation application. <i>Dyes and Pigments</i> , 2018, 152, 36-42.	3.7	231
4	Eu^{3+} -activated $\text{Na}_2\text{Gd}(\text{PO}_4)_2(\text{MoO}_4)$: A novel high-brightness red-emitting phosphor with high color purity and quantum efficiency for white light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2017, 720, 29-38.	5.5	224
5	Energy transfer and tunable photoluminescence of $\text{LaBWO}_6:\text{Tb}^{3+}, \text{Eu}^{3+}$ phosphors for near-UV white LEDs. <i>Dyes and Pigments</i> , 2018, 150, 67-72.	3.7	201
6	High-brightness and high-color purity red-emitting $\text{Ca}_3\text{Lu}(\text{AlO})_3(\text{BO}_3)_4:\text{Eu}^{3+}$ phosphors with internal quantum efficiency close to unity for near-ultraviolet-based white-light-emitting diodes. <i>Optics Letters</i> , 2018, 43, 1307.	3.3	190
7	Synthesis, photoluminescence, cathodoluminescence, and thermal properties of novel Tb^{3+} -doped BiOCl green-emitting phosphors. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2773-2780.	5.5	168
8	Novel $\text{Na}_3\text{Sc}_2(\text{PO}_4)_3:\text{Ce}^{3+}, \text{Tb}^{3+}$ phosphors for white LEDs: Tunable blue-green color emission, high quantum efficiency and excellent thermal stability. <i>Dyes and Pigments</i> , 2018, 151, 81-88.	3.7	142
9	A novel highly efficient single-composition tunable white-light-emitting $\text{LiCa}_3\text{MgV}_3\text{O}_{12}:\text{Eu}^{3+}$ phosphor. <i>Dyes and Pigments</i> , 2018, 154, 82-86.	3.7	109
10	High-efficiency and thermal-stable $\text{Ca}_3\text{La}(\text{GaO})_3(\text{BO}_3)_4:\text{Eu}^{3+}$ red phosphors excited by near-UV light for white LEDs. <i>Dyes and Pigments</i> , 2018, 157, 40-46.	3.7	101
11	Synthesis and photoluminescence properties of deep red-emitting $\text{CaGdAlO}_4:\text{Mn}^{4+}$ phosphors for plant growth LEDs. <i>Journal of Luminescence</i> , 2018, 203, 371-375.	3.1	97
12	Energy transfer and color-tunable luminescence properties of Dy^{3+} and Eu^{3+} co-doped $\text{Na}_3\text{Sc}_2(\text{PO}_4)_3$ phosphors for near-UV LED-based warm white LEDs. <i>Dyes and Pigments</i> , 2018, 156, 8-16.	3.7	75
13	A novel Sm^{3+} singly doped $\text{LiCa}_3\text{ZnV}_3\text{O}_{12}$ phosphor: a potential luminescent material for multifunctional applications. <i>RSC Advances</i> , 2018, 8, 33403-33413.	3.6	59
14	Bright tunable white-light emissions from $\text{Bi}^{3+}/\text{Eu}^{3+}$ co-doped $\text{Ba}_2\text{Y}_5\text{B}_5\text{O}_{17}$ phosphors via energy transfer for UV-excited white light-emitting diodes. <i>Journal of Luminescence</i> , 2020, 226, 117474.	3.1	38
15	Ce^{3+} and Tb^{3+} doped $\text{Ca}_3\text{Gd}(\text{AlO})_3(\text{BO}_3)_4$ phosphors: synthesis, tunable photoluminescence, thermal stability, and potential application in white LEDs. <i>RSC Advances</i> , 2018, 8, 9879-9886.	3.6	29
16	Photoluminescence properties of a novel rare-earth-free red-emitting $\text{Ca}_3\text{Y}(\text{AlO})_3(\text{BO}_3)_4:\text{Mn}^{4+}$ phosphor for white LEDs application. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12972-12977.	2.2	21
17	Synthesis, structure, and luminescence characteristics of far-red emitting Mn^{4+} -activated LaScO_3 perovskite phosphors for plant growth. <i>RSC Advances</i> , 2018, 8, 33035-33041.	3.6	8