

# Shuxian Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

295  
citations

1040056

9  
h-index

940533

16  
g-index

26  
all docs

26  
docs citations

26  
times ranked

295  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Pr <sup>3+</sup> -Doped Scandate Optical Thermometry: 200 K of Sensing Range with Relative Temperature Sensitivity above 2%K <sup>-1</sup> . ACS Applied Materials & Interfaces, 2019, 11, 42330-42338.	8.0	60
2	From graphene oxide to reduced graphene oxide: Enhanced hydration and compressive strength of cement composites. Construction and Building Materials, 2020, 248, 118699.	7.2	47
3	A promising temperature sensing strategy based on highly sensitive Pr <sup>3+</sup> -doped SrRE <sub>2</sub> O <sub>4</sub> (RE=Sc, Lu and) Tj ETQq1,1 0.784314 rg	12.7	21
4	Exploiting novel optical thermometry near room temperature with a combination of phase-change host and luminescent Pr <sup>3+</sup> ion. Chemical Engineering Journal, 2021, 414, 128884.	12.7	17
5	Influence of synthesis methods on ettringite dehydration. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2031-2038.	3.6	14
6	Enhanced Dispersion of Graphene Oxide in Cement Matrix with Isolated-Dispersion Strategy. Industrial & Engineering Chemistry Research, 2020, 59, 10221-10228.	3.7	14
7	Synthesis, crystal structure and photoluminescence properties of novel Ba <sub>3</sub> Lu <sub>4</sub> O <sub>9</sub> :Ce <sup>3+</sup> orange-red phosphors for white light emitting diodes. Journal of Alloys and Compounds, 2020, 819, 153047.	5.5	13
8	Phase Identification of $\hat{1}^3$ - and $\hat{1}^2$ -Ca <sub>2</sub> SiO <sub>4</sub> via the Rear-Earth Fluorescence Probe. Journal of Physical Chemistry C, 2019, 123, 13877-13884.	3.1	11
9	Modulation of two ye'elinite phases via Ga <sup>3+</sup> cation substitution. CrystEngComm, 2018, 20, 3755-3764.	2.6	10
10	Exploring crystal-field splittings of Eu <sup>3+</sup> ions in $\hat{1}^3$ - and $\hat{1}^2$ -SrGa <sub>2</sub> O <sub>4</sub> . Journal of Luminescence, 2019, 210, 155-163.	3.1	9
11	Facile one-pot synthesis of long-term thermally stable CDs@AlOOH toward white-light illumination. Journal of Materials Chemistry C, 2019, 7, 14717-14724.	5.5	9
12	Unraveling the valence states of manganese ions and the effects of composition variation and post-processing in YGG1-LuGG :Mn garnet optical sensor. Chemical Engineering Journal, 2021, 411, 128448.	12.7	9
13	Effects of graphene oxide on the hydration behavior of ye <sup>TM</sup> elinite. Journal of Materials Science, 2019, 54, 12582-12591.	3.7	8
14	The effect of gypsum on the hydration of alite <sup>TM</sup> belite <sup>TM</sup> ferrite phase system. Journal of Thermal Analysis and Calorimetry, 2019, 136, 717-724.	3.6	8
15	Comprehensive evaluation of formation kinetics in preparation of ternesite from different polymorphs of Ca <sub>2</sub> SiO <sub>4</sub> . Journal of Solid State Chemistry, 2020, 292, 121725.	2.9	8
16	Facile Post <sup>TM</sup> Synthesis of a Ce <sup>3+</sup> -Doped Ca <sub>x</sub> Sr <sub>1-x</sub> Sc <sub>2</sub> O <sub>4</sub> Phosphor by Means of Cation Exchange. ChemistrySelect, 2018, 3, 4387-4392.	1.5	6
17	Enhancing the Photoluminescence Property of Pr <sup>3+</sup> Ions by Understanding the Polymorphous Influence of the K <sub>3</sub> Lu(PO <sub>4</sub> ) <sub>2</sub> Host. Inorganic Chemistry, 2021, 60, 14978-14987.	4.0	5
18	Trace detection of impurity phase in preparation of ye'elinite by Eu <sup>3+</sup> fluorescence prober. Sensors and Actuators B: Chemical, 2019, 296, 126607.	7.8	4

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19	Fast preparation of Ce <sup>3+</sup> -activated scandate for high-color-rendering warm white-light illumination by cation exchange. <i>Journal of Luminescence</i> , 2019, 212, 361-367.	3.1	4
20	Regulation of Fe <sup>3+</sup> -doped Sr <sub>4</sub> Al <sub>6</sub> SO <sub>16</sub> crystalline structure. <i>Journal of Solid State Chemistry</i> , 2020, 288, 121415.	2.9	4
21	Site engineering of Ce <sup>3+</sup> -doped calcium scandate phosphors and understanding of relevant red-shifted emitting from green to yellow. <i>Ceramics International</i> , 2020, 46, 20004-20011.	4.8	3
22	Rational Design of a Nd <sup>3+</sup> -Mn <sup>4+</sup> -Co <sup>2+</sup> -doped Luminescent Thermometer: Towards High-Sensitivity Temperature Sensing. <i>ChemPhotoChem</i> , 2021, 5, 455-465.	3.0	3
23	Studying crystal-field splitting difference of Eu <sup>3+</sup> ions from orthorhombic to cubic Ca <sub>4</sub> Al <sub>6</sub> SO <sub>16</sub> . <i>Ceramics International</i> , 2020, 46, 5998-6005.	4.8	2
24	Exploring impurity phases derived from the introduction of vanadium ions in yttrium gallium garnet. <i>Ceramics International</i> , 2020, 46, 25996-26003.	4.8	2
25	Study on the hydration properties of two polymorphs of Sr <sub>4</sub> Al <sub>6</sub> SO <sub>16</sub> . <i>Ceramics International</i> , 2021, 47, 13820-13826.	4.8	2
26	Structural analysis and phase transformation of doped strontium sulfoaluminate. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160154.	5.5	2