

# Jie Liu

## List of Publications by Year in descending order

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24  
papers

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citations

840776

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Preparation and photoelectric properties of the polycrystalline silicon solar cells depositing Sb <sub>2</sub> O <sub>3</sub> x nano-films. Australian Journal of Chemistry, 2022, , .	0.9	0
2	New red-emitting phosphor of Eu <sup>3+</sup> -doped Ba <sub>2</sub> Gd <sub>0.67</sub> W <sub>1.67</sub> xMoxO <sub>6</sub> for solid state lighting. Australian Journal of Chemistry, 2022, , .	0.9	0
3	Preparation of Ga <sup>3+</sup> :ZnO quantum dots and the photoelectric properties of sensitized polycrystalline silicon solar cells. Chemical Papers, 2021, 75, 805-811.	2.2	1
4	Efficient polycrystalline silicon solar cells with double metal oxide layers. Dalton Transactions, 2019, 48, 3687-3694.	3.3	5
5	Tunable emission and applications of Ln <sup>3+</sup> doped NaGd(WO <sub>4</sub> ) <sub>2</sub> nanocrystals via a facile solvothermal process. Ceramics International, 2019, 45, 16836-16841.	4.8	7
6	Multicolor properties and applications of Ln <sup>3+</sup> doped hierarchical NaY(WO <sub>4</sub> ) <sub>2</sub> via a facile solvothermal process. CrystEngComm, 2019, 21, 3056-3063.	2.6	3
7	A highly efficient nano-graphite electron transport layer for high performance ZnO/Si solar cells. Sustainable Energy and Fuels, 2018, 2, 820-826.	4.9	3
8	Brightly luminescent and color-tunable CaMoO <sub>4</sub> :RE <sup>3+</sup> (RE=Eu, Sm, Dy, Tb) nanofibers synthesized through a facile route for efficient light-emitting diodes. Journal of Materials Science, 2018, 53, 4861-4873.	3.7	15
9	Greatly Enhanced Photovoltaic Performance of Crystalline Silicon Solar Cells via Metal Oxide. Nanomaterials, 2018, 8, 505.	4.1	6
10	Tunable morphologies, multicolor properties and applications of RE <sup>3+</sup> doped NaY(MoO <sub>4</sub> ) <sub>2</sub> nanocrystals via a facile ligand-assisted reprecipitation process. Dalton Transactions, 2018, 47, 8697-8705.	3.3	8
11	Free inert gas protection, low temperature, non-injection synthesis of CdS and doped quantum dots for efficient white light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 3276-3282.	5.5	11
12	A hierarchical CoFeS <sub>2</sub> /reduced graphene oxide composite for highly efficient counter electrodes in dye-sensitized solar cells. Dalton Transactions, 2017, 46, 9511-9516.	3.3	49
13	Efficient Near-Infrared Emission of Ce <sup>3+</sup> -Nd <sup>3+</sup> CoDoped (Sr <sub>0.6</sub> Ca <sub>0.4</sub> ) <sub>3</sub> (Al <sub>0.6</sub> Si <sub>0.4</sub> )O <sub>4</sub> F <sub>0.6</sub> Phosphors for c-Si Solar Cell. Journal of the American Ceramic Society, 2016, 99, 141-145.	3.8	8
14	Preparation and Application of Strong Near-Infrared Emission Phosphor Sr <sub>3</sub> SiO <sub>5</sub> :Ce <sup>3+</sup> ,Al <sup>3+</sup> ,Nd <sup>3+</sup> . Journal of the American Ceramic Society, 2015, 98, 1836-1841.	3.8	8
15	Shape-controlled synthesis of phosphor K <sub>2</sub> SiF <sub>6</sub> :Mn <sup>4+</sup> nanorods and their luminescence properties. CrystEngComm, 2015, 17, 930-936.	2.6	41
16	CuO nanoleaves enhance the c-Si solar cell efficiency. Journal of Materials Chemistry A, 2014, 2, 6796-6800.	10.3	53
17	Si nanocorals/PbS quantum dots composited high efficiency c-Si solar cell. RSC Advances, 2014, 4, 14862-14867.	3.6	2
18	Effective CdS/ZnO nanorod arrays as antireflection coatings for light trapping in c-Si solar cells. RSC Advances, 2014, 4, 23149-23154.	3.6	14

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19	An efficient light converter $\text{YAB:Cr}^{3+}, \text{Yb}^{3+}/\text{Nd}^{3+}$ with broadband excitation and strong NIR emission for harvesting c-Si-based solar cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5769-5777.	5.5	56
20	Polycrystalline Si nanocorals/CdS quantum dots composited solar cell with efficient light harvesting and surface passivation. <i>Chemical Physics Letters</i> , 2014, 608, 314-318.	2.6	2
21	$\text{Sr}_3\text{AlO}_4\text{F:Ce}^{3+}$ -based yellow phosphors: structural tuning of optical properties and use in solid-state white lighting. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7598.	5.5	16
22	Enhanced photoluminescence of $\text{Sr}_3\text{SiO}_5\text{:Ce}^{3+}$ and tuneable yellow emission of $\text{Sr}_3\text{SiO}_5\text{:Ce}^{3+}, \text{Eu}^{2+}$ by $\text{Al}^{3+}$ charge compensation for W-LEDs. <i>Journal of Materials Chemistry</i> , 2012, 22, 15887.	6.7	61
23	Shape-controlled synthesis of monodispersed nano-/micro- $\text{NaY}(\text{MoO}_4)_2$ (doped with $\text{Eu}^{3+}$ ) without capping agents via a hydrothermal process. <i>CrystEngComm</i> , 2012, 14, 2936.	2.6	42
24	Synthesis and characterization of new red phosphors for white LED applications. <i>Journal of Materials Chemistry</i> , 2009, 19, 3771.	6.7	123