

Jie Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3374030/publications.pdf>

Version: 2024-02-01

24
papers

540
citations

840776

11
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of new red phosphors for white LED applications. Journal of Materials Chemistry, 2009, 19, 3771.	6.7	123
2	Enhanced photoluminescence of Sr ₃ SiO ₅ :Ce ³⁺ and tuneable yellow emission of Sr ₃ SiO ₅ :Ce ³⁺ ,Eu ²⁺ by Al ³⁺ charge compensation for W-LEDs. Journal of Materials Chemistry, 2012, 22, 15887.	6.7	61
3	An efficient light converter YAB:Cr ³⁺ ,Yb ³⁺ /Nd ³⁺ with broadband excitation and strong NIR emission for harvesting c-Si-based solar cells. Journal of Materials Chemistry C, 2014, 2, 5769-5777.	5.5	56
4	CuO nanoleaves enhance the c-Si solar cell efficiency. Journal of Materials Chemistry A, 2014, 2, 6796-6800.	10.3	53
5	A hierarchical CoFeS ₂ /reduced graphene oxide composite for highly efficient counter electrodes in dye-sensitized solar cells. Dalton Transactions, 2017, 46, 9511-9516.	3.3	49
6	Shape-controlled synthesis of monodispersed nano-/micro- NaY(MoO ₄) ₂ (doped with Eu ³⁺) without capping agents via a hydrothermal process. CrystEngComm, 2012, 14, 2936.	2.6	42
7	Shape-controlled synthesis of phosphor K ₂ SiF ₆ :Mn ⁴⁺ nanorods and their luminescence properties. CrystEngComm, 2015, 17, 930-936.	2.6	41
8	Sr ₃ AlO ₄ F:Ce ³⁺ -based yellow phosphors: structural tuning of optical properties and use in solid-state white lighting. Journal of Materials Chemistry C, 2013, 1, 7598.	5.5	16
9	Brightly luminescent and color-tunable CaMoO ₄ :RE ³⁺ (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
10	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
11	Efficient Near-Infrared Emission of Ce ³⁺ Nd ³⁺ CoDoped (Sr _{0.6} Ca _{0.4}) ₃ (Al _{0.6} Si _{0.4})O _{4.4} F _{0.6} Phosphors for c-Si Solar Cell. Journal of the American Ceramic Society, 2016, 99, 141-145.	3.6	14
12	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
13	Preparation and Application of Strong Near-Infrared Emission Phosphor Sr ₃ SiO ₅ :Ce ³⁺ ,Al ³⁺ ,Nd ³⁺ . Journal of the American Ceramic Society, 2015, 98, 1836-1841.	3.8	8
14	Tunable morphologies, multicolor properties and applications of RE ³⁺ doped NaY(MoO ₄) ₂ nanocrystals via a facile ligand-assisted reprecipitation process. Dalton Transactions, 2018, 47, 8697-8705.	3.3	8
15	Tunable emission and applications of Ln ³⁺ doped NaGd(WO ₄) ₂ nanocrystals via a facile solvothermal process. Ceramics International, 2019, 45, 16836-16841.	4.8	7
16	Greatly Enhanced Photovoltaic Performance of Crystalline Silicon Solar Cells via Metal Oxide. Nanomaterials, 2018, 8, 505.	4.1	6
17	Efficient polycrystalline silicon solar cells with double metal oxide layers. Dalton Transactions, 2019, 48, 3687-3694.	3.3	5
18	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

#	ARTICLE	IF	CITATIONS
19	Multicolor properties and applications of Ln ³⁺ doped hierarchical NaY(WO ₄) ₂ via a facile solvothermal process. CrystEngComm, 2019, 21, 3056-3063.	2.6	3
20	Si nanocorals/PbS quantum dots composited high efficiency c-Si solar cell. RSC Advances, 2014, 4, 14862-14867.	3.6	2
21	Polycrystalline Si nanocorals/CdS quantum dots composited solar cell with efficient light harvesting and surface passivation. Chemical Physics Letters, 2014, 608, 314-318.	2.6	2
22	Preparation of Ga ³⁺ :ZnO quantum dots and the photoelectric properties of sensitized polycrystalline silicon solar cells. Chemical Papers, 2021, 75, 805-811.	2.2	1
23	Preparation and photoelectric properties of the polycrystalline silicon solar cells depositing Sb ₂ O ₃ nano-films. Australian Journal of Chemistry, 2022, , .	0.9	0
24	New red-emitting phosphor of Eu ³⁺ -doped Ba ₂ Gd _{0.67} W _{1-x} MoxO ₆ for solid state lighting. Australian Journal of Chemistry, 2022, , .	0.9	0