

Zhelong Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,114
citations

759055

12
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794469

19
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docs citations

22
times ranked

2393
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Ag@AgCl Cubic Cage Photocatalysts Profit from Ultrafast Plasmon-Induced Electron Transfer Processes. <i>Advanced Functional Materials</i> , 2013, 23, 2932-2940.	7.8	270
2	Titanate and titania nanostructured materials for environmental and energy applications: a review. <i>RSC Advances</i> , 2015, 5, 79479-79510.	1.7	247
3	Enhanced Photocatalytic Hydrogen Production with Synergistic Two-Phase Anatase/Brookite TiO ₂ Nanostructures. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14973-14982.	1.5	134
4	Understanding the Role of Nanostructures for Efficient Hydrogen Generation on Immobilized Photocatalysts. <i>Advanced Energy Materials</i> , 2013, 3, 1368-1380.	10.2	122
5	Synthesis of Nanostructured Silver/Silver Halides on Titanate Surfaces and Their Visible-Light Photocatalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 438-446.	4.0	77
6	Visible-light plasmonic photocatalyst anchored on titanate nanotubes: a novel nanohybrid with synergistic effects of adsorption and degradation. <i>RSC Advances</i> , 2012, 2, 9406.	1.7	70
7	Specific surface area of titanium dioxide (TiO ₂) particles influences cyto- and photo-toxicity. <i>Toxicology</i> , 2013, 304, 132-140.	2.0	51
8	High capacity 3D structured tin-based electroplated Li-ion battery anodes. <i>Energy Storage Materials</i> , 2019, 17, 151-156.	9.5	36
9	In situ identification of kinetic factors that expedite inorganic crystal formation and discovery. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5709-5717.	2.7	30
10	Capturing Phase Evolution during Solvothermal Synthesis of Metastable Cu ₄ O ₃ . <i>Chemistry of Materials</i> , 2016, 28, 3080-3089.	3.2	22
11	Accessing magnetic chalcogenides with solvothermal synthesis: KFeS ₂ and KFe ₂ S ₃ . <i>Journal of Solid State Chemistry</i> , 2018, 260, 1-6.	1.4	16
12	Dynamic Gradient Directed Molecular Transport and Concentration in Hydrogel Films. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5001-5006.	7.2	14
13	A unique copper coordination structure with both mono- and bi-dentate ethylenediamine ligands. <i>CrystEngComm</i> , 2019, 21, 2718-2726.	1.3	8
14	Dynamic Gradient Directed Molecular Transport and Concentration in Hydrogel Films. <i>Angewandte Chemie</i> , 2017, 129, 5083-5088.	1.6	6
15	Phase stability and structural comparison of phases in the Cu-Zn-Sn-S system using solid-state NMR. <i>Solar Energy Materials and Solar Cells</i> , 2019, 190, 37-48.	3.0	3
16	Hollow Nanostructures: Efficient Ag@AgCl Cubic Cage Photocatalysts Profit from Ultrafast Plasmon-Induced Electron Transfer Processes (<i>Adv. Funct. Mater.</i> 23/2013). <i>Advanced Functional Materials</i> , 2013, 23, 2902-2902.	7.8	1
17	<i>In situ</i> energy-dispersive X-ray diffraction of local phase dynamics during solvothermal growth of Cu ₄ O ₃ . <i>Journal of Applied Crystallography</i> , 2021, 54, 42-53.	1.9	1
18	Identification of kinetic factors that expedite solid-state Fe ₂ Si ₄ crystal formation by in situ XRD. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, a115-a115.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Chemical Amplification of Subthreshold Base Triggers To Drive Sol-Gel Transitions in Polymers. , 0 , , 1503-1510.		0