

Yuan Yang

List of Publications by Year in descending order

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18
papers

859
citations

933447

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940533

16
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docs citations

19
times ranked

1594
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability and Reactivity: Positive and Negative Aspects for Nanoparticle Processing. <i>Chemical Reviews</i> , 2018, 118, 3209-3250.	47.7	261
2	Emerging tellurium nanostructures: controllable synthesis and their applications. <i>Chemical Society Reviews</i> , 2017, 46, 2732-2753.	38.1	186
3	Comparison Study on the Stability of Copper Nanowires and Their Oxidation Kinetics in Gas and Liquid. <i>ACS Nano</i> , 2016, 10, 3823-3834.	14.6	111
4	A new generation of alloyed/multimetal chalcogenide nanowires by chemical transformation. <i>Science Advances</i> , 2015, 1, e1500714.	10.3	57
5	First sub-kilogram-scale synthesis of high quality ultrathin tellurium nanowires. <i>Materials Horizons</i> , 2014, 1, 338.	12.2	50
6	Understanding the stability and reactivity of ultrathin tellurium nanowires in solution: An emerging platform for chemical transformation and material design. <i>Nano Research</i> , 2015, 8, 1081-1097.	10.4	45
7	Nanowire Genome: A Magic Toolbox for 1D Nanostructures. <i>Advanced Materials</i> , 2019, 31, e1902807.	21.0	44
8	Boosting photoelectrochemical efficiency by near-infrared-active lattice-matched morphological heterojunctions. <i>Nature Communications</i> , 2021, 12, 4296.	12.8	23
9	Bioinspired Unidirectional Silk Fibroin-Silver Compound Nanowire Composite Scaffold via Interface-Mediated In Situ Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14152-14156.	13.8	19
10	A general chemical transformation route to two-dimensional mesoporous metal selenide nanomaterials by acidification of a ZnSe-amine lamellar hybrid at room temperature. <i>Chemical Science</i> , 2016, 7, 4276-4283.	7.4	13
11	Band Structure Engineering toward Low-Onset-Potential Photoelectrochemical Hydrogen Production. , 2020, 2, 1555-1560.		13
12	Anti-photocorrosive photoanode with RGO/PdS as hole extraction layer. <i>Science China Materials</i> , 2020, 63, 1939-1947.	6.3	8
13	Selective oxidation mediated synthesis of unique Se_6Tey nanotubes, their assembled thin films and photoconductivity. <i>Nano Research</i> , 2018, 11, 665-675.	10.4	7
14	Bioinspired Unidirectional Silk Fibroin-Silver Compound Nanowire Composite Scaffold via Interface-Mediated In Situ Synthesis. <i>Angewandte Chemie</i> , 2019, 131, 14290-14294.	2.0	7
15	Single-Crystalline SnSe_2 Nanosheets with Enhanced Lithium Storage Properties. <i>Energy & Fuels</i> , 0, , .	5.1	7
16	Crystal-phase-induced epitaxial growth of noble nanomaterials. <i>National Science Review</i> , 2018, 5, 788-789.	9.5	4
17	Figure 1: Bioinspired Unidirectional Silk Fibroin-Silver Compound Nanowire Composite Scaffold via Interface-Mediated In Situ Synthesis (<i>Angew. Chem.</i> 40/2019). <i>Angewandte Chemie</i> , 2019, 131, 14528-14528.	2.0	2
18	A General and Programmable Synthesis of Graphene-Based Composite Aerogels by a Melamine-Sponge-Templated Hydrothermal Process. <i>CCS Chemistry</i> , 0, , 1-12.	7.8	0