

Liang Xu

List of Publications by Year in descending order

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17
papers

1,541
citations

687363

13
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

2974
citing authors

#	ARTICLE	IF	CITATIONS
1	Super-elastic and fatigue resistant carbon material with lamellar multi-arch microstructure. Nature Communications, 2016, 7, 12920.	12.8	344
2	Stability and Reactivity: Positive and Negative Aspects for Nanoparticle Processing. Chemical Reviews, 2018, 118, 3209-3250.	47.7	261
3	Highly crystalline PtCu nanotubes with three dimensional molecular accessible and restructured surface for efficient catalysis. Energy and Environmental Science, 2017, 10, 1751-1756.	30.8	195
4	Macroscopic Free-standing Hierarchical 3D Architectures Assembled from Silver Nanowires by Ice Templating. Angewandte Chemie - International Edition, 2014, 53, 4561-4566.	13.8	184
5	Macroscopic-scale synthesis of nitrogen-doped carbon nanofiber aerogels by template-directed hydrothermal carbonization of nitrogen-containing carbohydrates. Nano Energy, 2016, 19, 117-127.	16.0	115
6	Comparison Study on the Stability of Copper Nanowires and Their Oxidation Kinetics in Gas and Liquid. ACS Nano, 2016, 10, 3823-3834.	14.6	111
7	Vanadium sulfide based materials: synthesis, energy storage and conversion. Journal of Materials Chemistry A, 2020, 8, 20781-20802.	10.3	73
8	A new generation of alloyed/multimetal chalcogenide nanowires by chemical transformation. Science Advances, 2015, 1, e1500714.	10.3	57
9	A shape-memory scaffold for macroscale assembly of functional nanoscale building blocks. Materials Horizons, 2014, 1, 69-73.	12.2	55
10	Understanding the stability and reactivity of ultrathin tellurium nanowires in solution: An emerging platform for chemical transformation and material design. Nano Research, 2015, 8, 1081-1097.	10.4	45
11	Sponge-templating synthesis of sandwich-like reduced graphene oxide nanoplates with confined gold nanoparticles and their enhanced stability for solar evaporation. Science China Materials, 2020, 63, 1957-1965.	6.3	20
12	Competitive Adsorption between a Polymer and Its Monomeric Analog Enables Precise Modulation of Nanowire Synthesis. Chem, 2018, 4, 2451-2462.	11.7	15
13	A general chemical transformation route to two-dimensional mesoporous metal selenide nanomaterials by acidification of a ZnSe-amine lamellar hybrid at room temperature. Chemical Science, 2016, 7, 4276-4283.	7.4	13
14	In Situ Seed-Mediated High-Yield Synthesis of Copper Nanowires on Large Scale. Langmuir, 2019, 35, 4364-4369.	3.5	13
15	Charged Inorganic Nanowire-Directed Mineralization of Amorphous Calcium Carbonate. ChemNanoMat, 2016, 2, 259-263.	2.8	7
16	Electrochemically Activated Surface Reconstruction of PdCu Nanotubes for Improved Ethanol Oxidation Electrocatalysis. Small Structures, 0, , 2100216.	12.0	5
17	Unconventional chemical graphitization and functionalization of graphene oxide toward nanocomposites by degradation of ZnSe[DETA]0.5 hybrid nanobelts. Science China Materials, 2020, 63, 1878-1888.	6.3	1