

Deyan Luan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

4,478
citations

25
h-index

54
g-index

54
ext. papers

6,094
ext. citations

12.7
avg, IF

6.5
L-index

#	Paper	IF	Citations
49	Constructing hierarchical spheres from large ultrathin anatase TiO ₂ nanosheets with nearly 100% exposed (001) facets for fast reversible lithium storage. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6124-30	16.4	1149
48	Assembling carbon-coated Fe ₂ O ₃ hollow nanohorns on the CNT backbone for superior lithium storage capability. <i>Energy and Environmental Science</i> , 2012 , 5, 5252-5256	35.4	708
47	Fast formation of SnO ₂ nanoboxes with enhanced lithium storage capability. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4738-41	16.4	498
46	Engineering nonspherical hollow structures with complex interiors by template-engaged redox etching. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16271-7	16.4	223
45	Confining Sub-Nanometer Pt Clusters in Hollow Mesoporous Carbon Spheres for Boosting Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2020 , 32, e1901349	24	143
44	Metal-Organic Frameworks Derived Functional Materials for Electrochemical Energy Storage and Conversion: A Mini Review. <i>Nano Letters</i> , 2021 , 21, 1555-1565	11.5	133
43	Rationally Designed Three-Layered Cu S@Carbon@MoS ₂ Hierarchical Nanoboxes for Efficient Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7178-7183	16.4	127
42	Synthesis of CuS@CoS Double-Shelled Nanoboxes with Enhanced Sodium Storage Properties. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7739-7743	16.4	120
41	Recent Advances on Mixed Metal Sulfides for Advanced Sodium-Ion Batteries. <i>Advanced Materials</i> , 2020 , 32, e2002976	24	113
40	NiMn-Based Bimetal-Organic Framework Nanosheets Supported on Multi-Channel Carbon Fibers for Efficient Oxygen Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18234-18239	16.4	97
39	Synthesis of Copper-Substituted CoS @Cu S Double-Shelled Nanoboxes by Sequential Ion Exchange for Efficient Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2644-2648	16.4	96
38	Computationally derived points of fragility of a human cascade are consistent with current therapeutic strategies. <i>PLoS Computational Biology</i> , 2007 , 3, e142	5	84
37	Co O Hollow Nanoparticles Embedded in Mesoporous Walls of Carbon Nanoboxes for Efficient Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19914-19918	16.4	79
36	Trimetallic Spinel NiCo Fe O Nanoboxes for Highly Efficient Electrocatalytic Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11841-11846	16.4	78
35	Atomically Dispersed Reactive Centers for Electrocatalytic CO Reduction and Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13177-13196	16.4	60
34	A highly stable lithium metal anode enabled by Ag nanoparticle-embedded nitrogen-doped carbon macroporous fibers. <i>Science Advances</i> , 2021 , 7,	14.3	58
33	Synthesis of CuS@CoS ₂ Double-Shelled Nanoboxes with Enhanced Sodium Storage Properties. <i>Angewandte Chemie</i> , 2019 , 131, 7821-7825	3.6	55

32	Fabrication of CdS Frame-in-Cage Particles for Efficient Photocatalytic Hydrogen Generation under Visible-Light Irradiation. <i>Advanced Materials</i> , 2020 , 32, e2004561	24	53
31	Exposing unsaturated Cu-O sites in nanoscale Cu-MOF for efficient electrocatalytic hydrogen evolution. <i>Science Advances</i> , 2021 , 7,	14.3	53
30	Construction of Co-Mn Prussian Blue Analog Hollow Spheres for Efficient Aqueous Zn-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22189-22194	16.4	48
29	Nitrogen-Doped Amorphous Zn-Carbon Multichannel Fibers for Stable Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8515-8520	16.4	44
28	Fabrication of Heterostructured Fe TiO ₂ -TiO ₂ Nanocages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8128-8132	16.4	39
27	Lotus-Root-Like Carbon Fibers Embedded with Ni-Co Nanoparticles for Dendrite-Free Lithium Metal Anodes. <i>Advanced Materials</i> , 2021 , 33, e2100608	24	38
26	Rational Design and Engineering of One-Dimensional Hollow Nanostructures for Efficient Electrochemical Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20102-20118	16.4	38
25	Engineering Platinum-Cobalt Nano-alloys in Porous Nitrogen-Doped Carbon Nanotubes for Highly Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19068-19073	16.4	33
24	Synthesis of Copper-Substituted CoS ₂ @Cu _x S Double-Shelled Nanoboxes by Sequential Ion Exchange for Efficient Sodium Storage. <i>Angewandte Chemie</i> , 2020 , 132, 2666-2670	3.6	24
23	Ensembles of uncertain mathematical models can identify network response to therapeutic interventions. <i>Molecular BioSystems</i> , 2010 , 6, 2272-86		23
22	Fabrication of Heterostructured Fe ₂ TiO ₅ /TiO ₂ Nanocages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. <i>Angewandte Chemie</i> , 2020 , 132, 8205-8209	3.6	21
21	Rationally Designed Three-Layered Cu ₂ S@Carbon@MoS ₂ Hierarchical Nanoboxes for Efficient Sodium Storage. <i>Angewandte Chemie</i> , 2020 , 132, 7245-7250	3.6	20
20	In situ activation of Br-confined Ni-based metal-organic framework hollow prisms toward efficient electrochemical oxygen evolution. <i>Science Advances</i> , 2021 , 7, eabk0919	14.3	17
19	Synergetic Cobalt-Copper-Based Bimetal-Organic Framework Nanoboxes toward Efficient Electrochemical Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26397-26402	16.4	17
18	Design and Synthesis of Hollow Nanostructures for Electrochemical Water Splitting.. <i>Advanced Science</i> , 2022 , e2105135	13.6	15
17	Construction of Ni(CN) ₄ /NiSe Heterostructures by Stepwise Topochemical Pathways for Efficient Electrocatalytic Oxygen Evolution. <i>Advanced Materials</i> , 2021 , e2104405	24	15
16	Anti-factor IXa Aptamer reduces propagation of thrombin generation in plasma anticoagulated with warfarin. <i>Thrombosis Research</i> , 2010 , 125, 432-7	8.2	14
15	Single-atom catalysts for photocatalytic energy conversion. <i>Joule</i> , 2022 , 6, 92-133	27.8	14

14	NiMn-Based Bimetallic Organic Framework Nanosheets Supported on Multi-Channel Carbon Fibers for Efficient Oxygen Electrocatalysis. <i>Angewandte Chemie</i> , 2020 , 132, 18391-18396	3.6	13
13	A test of highly optimized tolerance reveals fragile cell-cycle mechanisms are molecular targets in clinical cancer trials. <i>PLoS ONE</i> , 2008 , 3, e2016	3.7	13
12	Co ₃ O ₄ Hollow Nanoparticles Embedded in Mesoporous Walls of Carbon Nanoboxes for Efficient Lithium Storage. <i>Angewandte Chemie</i> , 2020 , 132, 20086-20090	3.6	13
11	Formation of Super-Assembled TiO ₂ /Zn/N-Doped Carbon Inverse Opal Towards Dendrite-Free Zn Anodes.. <i>Angewandte Chemie - International Edition</i> , 2021 , e202115649	16.4	13
10	Loading Single-Ni Atoms on Assembled Hollow N-Rich Carbon Plates for Efficient CO Electroreduction. <i>Advanced Materials</i> , 2021 , e2105204	24	12
9	Confining Sn nanoparticles in interconnected N-doped hollow carbon spheres as hierarchical zincophilic fibers for dendrite-free Zn metal anodes.. <i>Science Advances</i> , 2022 , 8, eabm5766	14.3	12
8	Atomically Dispersed Reactive Centers for Electrocatalytic CO ₂ Reduction and Water Splitting. <i>Angewandte Chemie</i> , 2021 , 133, 13285-13304	3.6	10
7	Nitrogen-Doped Amorphous Zn-Carbon Multichannel Fibers for Stable Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2021 , 133, 8596-8601	3.6	9
6	Trimetallic Spinel NiCo ₂ FexO ₄ Nanoboxes for Highly Efficient Electrocatalytic Oxygen Evolution. <i>Angewandte Chemie</i> , 2021 , 133, 11947-11952	3.6	7
5	Rationally Designed Mn O ₂ -ZnMn O ₂ Hollow Heterostructures from Metal-Organic Frameworks for Stable Zn-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25793-25798	16.4	6
4	Rational Design and Engineering of One-Dimensional Hollow Nanostructures for Efficient Electrochemical Energy Storage. <i>Angewandte Chemie</i> , 2021 , 133, 20262-20278	3.6	6
3	Construction of CoMn Prussian Blue Analog Hollow Spheres for Efficient Aqueous Zn-ion Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 22363-22368	3.6	2
2	Engineering PlatinumCobalt Nano-alloys in Porous Nitrogen-Doped Carbon Nanotubes for Highly Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , 2021 , 133, 19216-19221	3.6	1
1	Synergetic Cobalt-Copper-Based Bimetallic Organic Framework Nanoboxes toward Efficient Electrochemical Oxygen Evolution. <i>Angewandte Chemie</i> , 2021 , 133, 26601	3.6	0