

Hui Xu

List of Publications by Year in descending order

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16
papers

1,476
citations

687363

13
h-index

940533

16
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16
all docs

16
docs citations

16
times ranked

1907
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalytic reduction of nitrate â€” a step towards a sustainable nitrogen cycle. <i>Chemical Society Reviews</i> , 2022, 51, 2710-2758.	38.1	323
2	The morphology-controlled synthesis of a nanoporous-antimony anode for high-performance sodium-ion batteries. <i>Energy and Environmental Science</i> , 2016, 9, 1229-1236.	30.8	230
3	A controlled red phosphorus@Niâ€”P core@shell nanostructure as an ultralong cycle-life and superior high-rate anode for sodium-ion batteries. <i>Energy and Environmental Science</i> , 2017, 10, 1222-1233.	30.8	170
4	Tailoring the Assembly of Iron Nanoparticles in Carbon Microspheres toward High-Performance Electrocatalytic Denitrification. <i>Nano Letters</i> , 2019, 19, 5423-5430.	9.1	147
5	Nanoporous germanium as high-capacity lithium-ion battery anode. <i>Nano Energy</i> , 2015, 13, 651-657.	16.0	131
6	Nanoporous Red Phosphorus on Reduced Graphene Oxide as Superior Anode for Sodium-Ion Batteries. <i>ACS Nano</i> , 2018, 12, 7380-7387.	14.6	120
7	Advanced arrayed bismuth nanorod bundle anode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10098-10104.	10.3	104
8	Dendritic Cellâ€”Inspired Designed Architectures toward Highly Efficient Electrocatalysts for Nitrate Reduction Reaction. <i>Small</i> , 2020, 16, e2001775.	10.0	74
9	Bimetallic PdCu Nanocrystals Immobilized by Nitrogen-Containing Ordered Mesoporous Carbon for Electrocatalytic Denitrification. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3861-3868.	8.0	57
10	Hollow nanoporous red phosphorus as an advanced anode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12992-12998.	10.3	36
11	Electroless deposition of Ni ₃ â€”Ni arrays on 3-D nickel foam as a high performance anode for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 60870-60875.	3.6	26
12	Comparison of catalytic activity between Au(110) and Au(111) for the electro-oxidation of methanol and formic acid: Experiment and density functional theory calculation. <i>Electrochimica Acta</i> , 2017, 256, 129-138.	5.2	22
13	High Activity Methanol/H ₂ O ₂ Catalyst of Nanoporous Gold from Alâ€”Au Ribbon Precursors with Various Circumferential Speeds. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25296-25305.	3.1	14
14	Micromorphology and Phase Composition Manipulation of Nanoporous Gold with High Methanol Electro-oxidation Catalytic Activity through Adding a Magnetic Field in the Dealloying Process. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3371-3385.	3.1	11
15	Lowâ€”Dimensional Copper Selenide Nanostructures: Controllable Morphology and its Dependence on Electrocatalytic Performance. <i>ChemElectroChem</i> , 2019, 6, 574-580.	3.4	8
16	Dealloyed porous gold anchored by in situ generated graphene sheets as high activity catalyst for methanol electro-oxidation reaction. <i>RSC Advances</i> , 2020, 10, 1666-1678.	3.6	3