

Xin Qian

List of Publications by Year in descending order

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19
papers

642
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

876
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental protocols for the assessment of redox thermodynamics of nonstoichiometric oxides: A case study of YMnO_3 . <i>Journal of the American Ceramic Society</i> , 2022, 105, 4375-4386.	3.8	6
2	Sol-gel-Derived Biodegradable Er-Doped ZnO/Polyethylene Glycol Nanoparticles for Cell Imaging. <i>ACS Applied Nano Materials</i> , 2022, 5, 7103-7112.	5.0	7
3	Thermodynamic assessment of nonstoichiometric oxides for solar thermochemical fuel production. <i>Solar Energy</i> , 2022, 241, 504-514.	6.1	8
4	Outstanding Properties and Performance of $\text{CaTi}_{0.5}\text{Mn}_{0.5}\text{O}_3$ for Solar-Driven Thermochemical Hydrogen Production. <i>Matter</i> , 2021, 4, 688-708.	10.0	45
5	Roadmap on inorganic perovskites for energy applications. <i>JPhys Energy</i> , 2021, 3, 031502.	5.3	40
6	Impact of La doping on the thermochemical heat storage properties of CaMnO_3 . <i>Journal of Energy Storage</i> , 2021, 40, 102793.	8.1	20
7	Multifunctional covalent organic frameworks for high capacity and dendrite-free lithium metal batteries. <i>Energy Storage Materials</i> , 2020, 25, 334-341.	18.0	77
8	Favorable Redox Thermodynamics of $\text{SrTi}_{0.5}\text{Mn}_{0.5}\text{O}_3$ in Solar Thermochemical Water Splitting. <i>Chemistry of Materials</i> , 2020, 32, 9335-9346.	6.7	42
9	Solid Acid Electrochemical Cell for the Production of Hydrogen from Ammonia. <i>Joule</i> , 2020, 4, 2338-2347.	24.0	30
10	Alternative route for electrochemical ammonia synthesis by reduction of nitrate on copper nanosheets. <i>Applied Materials Today</i> , 2020, 19, 100620.	4.3	144
11	The favourable thermodynamic properties of Fe-doped CaMnO_3 for thermochemical heat storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8503-8517.	10.3	42
12	Low-Temperature Molten Salt Synthesis for Ligand-Free Transition Metal Oxide Nanoparticles. <i>ACS Applied Energy Materials</i> , 2020, 3, 3984-3990.	5.1	6
13	Fe-doped CaMnO_3 for thermochemical heat storage application. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	11
14	Exceptional electrocatalytic oxygen evolution efficiency and stability from electrodeposited NiFe alloy on Ni foam. <i>Electrochimica Acta</i> , 2019, 299, 567-574.	5.2	57
15	Electrochemical deposition of Fe_3O_4 nanoparticles and flower-like hierarchical porous nanoflakes on 3D Cu-cone arrays for rechargeable lithium battery anodes. <i>Materials and Design</i> , 2017, 121, 321-334.	7.0	17
16	Electrodeposition of Cu_2O Nanostructure on 3D Cu Micro-Cone Arrays as Photocathode for Photoelectrochemical Water Reduction. <i>Journal of the Electrochemical Society</i> , 2016, 163, H976-H981.	2.9	14
17	Three-dimensional porous nickel supported Sn-C composite thin film as anode material for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 31275-31281.	3.6	8
18	Decoration of Micro-/Nanoscale Noble Metal Particles on 3D Porous Nickel Using Electrodeposition Technique as Electrocatalyst for Hydrogen Evolution Reaction in Alkaline Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15716-15725.	8.0	53

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19	Electrodeposited three-dimensional porous SiO ₂ /C/Ni thick film as high performance anode for lithium-ion batteries. Journal of Power Sources, 2014, 272, 794-799.	7.8	15