

Teng Wang

List of Publications by Year in Descending Order

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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.

35
papers

1,635
citations

21
h-index

38
g-index

38
ext. papers

2,073
ext. citations

11.8
avg, IF

4.88
L-index

#	Paper	IF	Citations
35	A high-performance 75W direct ammonia fuel cell stack. <i>Cell Reports Physical Science</i> , 2022 , 100829	6.1	2
34	A High-Performance Gas-Fed Direct Ammonia Hydroxide Exchange Membrane Fuel Cell. <i>ACS Energy Letters</i> , 2021 , 6, 1996-2002	20.1	3
33	Water-Fed Hydroxide Exchange Membrane Electrolyzer Enabled by a Fluoride-Incorporated Nickel/Iron Oxyhydroxide Oxygen Evolution Electrode. <i>ACS Catalysis</i> , 2021 , 11, 264-270	13.1	27
32	Improving Performance and Durability of Low Temperature Direct Ammonia Fuel Cells: Effect of Backpressure and Oxygen Reduction Catalysts. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 014507	3.9	4
31	High-performance ammonia oxidation catalysts for anion-exchange membrane direct ammonia fuel cells. <i>Energy and Environmental Science</i> , 2021 , 14, 1449-1460	35.4	28
30	Mimicking of Tunichlorin: Deciphering the Importance of a β -Hydroxyl Substituent on Boosting the Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2020 , 10, 2177-2188	13.1	13
29	Low-temperature direct ammonia fuel cells: Recent developments and remaining challenges. <i>Current Opinion in Electrochemistry</i> , 2020 , 21, 335-344	7.2	21
28	A Direct Ammonia Fuel Cell with a KOH-Free Anode Feed Generating 180 mW cm ² at 120 °C. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 134518	3.9	7
27	(Invited) Direct Ammonia Polymer Electrolyte Fuel Cell. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-01, 1817-1817	18.1	1
26	Plasma modification of a Ni based metal-organic framework for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8129-8135	13	21
25	Plasma enabled non-thermal phosphorization for nickel phosphide hydrogen evolution catalysts. <i>Chemical Communications</i> , 2019 , 55, 4202-4205	5.8	11
24	An Efficient Direct Ammonia Fuel Cell for Affordable Carbon-Neutral Transportation. <i>Joule</i> , 2019 , 3, 2472-2484	24.9	90
23	Air Plasma Activation of Catalytic Sites in a Metal-Cyanide Framework for Efficient Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2018 , 8, 1800085	21.8	106
22	A highly efficient Ni/Mo bimetallic hydrogen evolution catalyst derived from a molybdate incorporated Ni-MOF. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9228-9235	13	53
21	Rücktitelbild: Hydrolysis Batteries: Generating Electrical Energy during Hydrogen Absorption (Angew. Chem. 8/2018). <i>Angewandte Chemie</i> , 2018 , 130, 2282-2282	3.6	0
20	Hydrolysis Batteries: Generating Electrical Energy during Hydrogen Absorption. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2219-2223	16.4	9
19	Hydrolysis Batteries: Generating Electrical Energy during Hydrogen Absorption. <i>Angewandte Chemie</i> , 2018 , 130, 2241-2245	3.6	2

18	Chemical induced fragmentation of MOFs for highly efficient Ni-based hydrogen evolution catalysts. <i>Nanoscale Horizons</i> , 2018 , 3, 218-225	10.8	21
17	Synergism of Rare Earth Trihydrides and Graphite in Lithium Storage: Evidence of Hydrogen-Enhanced Lithiation. <i>Advanced Materials</i> , 2018 , 30, 1704353	24	18
16	Ultrafine Sn nanocrystals in a hierarchically porous N-doped carbon for lithium ion batteries. <i>Nano Research</i> , 2017 , 10, 1950-1958	10	64
15	Enhancing the reactivity of nickel(ii) in hydrogen evolution reactions (HERs) by hydrogenation of porphyrinoid ligands. <i>Chemical Science</i> , 2017 , 8, 5953-5961	9.4	37
14	Silica-Derived Hydrophobic Colloidal Nano-Si for Lithium-Ion Batteries. <i>ACS Nano</i> , 2017 , 11, 6065-6073	16.7	57
13	Molybdenum nano-film induced discharged for La ₂ MgNi ₉ hydrogen storage alloy. <i>Materials and Design</i> , 2017 , 114, 599-602	8.1	13
12	Ni-Mo Nanocatalysts on N-Doped Graphite Nanotubes for Highly Efficient Electrochemical Hydrogen Evolution in Acid. <i>ACS Nano</i> , 2016 , 10, 10397-10403	16.7	98
11	Significantly improved hydrogen desorption property of La ₂ Mg ₁₇ alloy modified with NiAl nanocrystalline. <i>Intermetallics</i> , 2016 , 70, 29-32	3.5	18
10	A highly efficient and stable biphasic nanocrystalline NiMo catalyst for hydrogen evolution in both acidic and alkaline electrolytes. <i>Nano Energy</i> , 2016 , 22, 111-119	17.1	131
9	MOF-Derived Noble Metal Free Catalysts for Electrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35390-35397	9.5	110
8	An efficient CoNi oxygen reduction catalyst with highly dispersed Co sites derived from a ZnCo bimetallic zeolitic imidazolate framework. <i>RSC Advances</i> , 2016 , 6, 37965-37973	3.7	55
7	Directly converting Fe-doped metal-organic frameworks into highly active and stable Fe-N-C catalysts for oxygen reduction in acid. <i>Nano Energy</i> , 2016 , 25, 110-119	17.1	348
6	Opposite particle size effects on the adsorption kinetics of ZIF-8 for gaseous and solution adsorbates. <i>RSC Advances</i> , 2015 , 5, 58595-58599	3.7	13
5	MOF-derived surface modified Ni nanoparticles as an efficient catalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16435-16439	13	120
4	A miniature room temperature formaldehyde sensor with high sensitivity and selectivity using CdSO ₄ modified ZnO nanoparticles. <i>RSC Advances</i> , 2015 , 5, 75098-75104	3.7	23
3	One step preparation of a high performance Ge-C nanocomposite anode for lithium ion batteries by tandem plasma reactions. <i>Chemical Communications</i> , 2014 , 50, 2052-4	5.8	36
2	Enhancing the thermal conductivity of n-eicosane/silica phase change materials by reduced graphene oxide. <i>Materials Chemistry and Physics</i> , 2014 , 147, 701-706	4.4	34
1	Intercalated Si/C films as the anode for Li-ion batteries with near theoretical stable capacity prepared by dual plasma deposition. <i>Journal of Power Sources</i> , 2013 , 221, 242-246	8.9	34

