Teng Wang

List of Publications by Citations

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	Directly converting Fe-doped metal–organic frameworks into highly active and stable Fe-N-C catalysts for oxygen reduction in acid. *Nano Energy*, **2016**, 25, 110-119	17.1	348
34	A highly efficient and stable biphasic nanocrystalline Ni–Mo–N catalyst for hydrogen evolution in both acidic and alkaline electrolytes. *Nano Energy*, **2016**, 22, 111-119	17.1	131
33	MOF-derived surface modified Ni nanoparticles as an efficient catalyst for the hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2015**, 3, 16435-16439	13	120
32	MOF-Derived Noble Metal Free Catalysts for Electrochemical Water Splitting. *ACS Applied Materials & Interfaces*, **2016**, 8, 35390-35397	9.5	110
31	Air Plasma Activation of Catalytic Sites in a Metal-Cyanide Framework for Efficient Oxygen Evolution Reaction. *Advanced Energy Materials*, **2018**, 8, 1800085	21.8	106
30	Ni-Mo Nanocatalysts on N-Doped Graphite Nanotubes for Highly Efficient Electrochemical Hydrogen Evolution in Acid. *ACS Nano*, **2016**, 10, 10397-10403	16.7	98
29	An Efficient Direct Ammonia Fuel Cell for Affordable Carbon-Neutral Transportation. *Joule*, **2019**, 3, 2472-2484	27.8	90
28	Ultrafine Sn nanocrystals in a hierarchically porous N-doped carbon for lithium ion batteries. *Nano Research*, **2017**, 10, 1950-1958	10	64
27	Silica-Derived Hydrophobic Colloidal Nano-Si for Lithium-Ion Batteries. *ACS Nano*, **2017**, 11, 6065-6073	16.7	57
26	An efficient Co–N–C oxygen reduction catalyst with highly dispersed Co sites derived from a Zn–Co bimetallic zeolitic imidazolate framework. *RSC Advances*, **2016**, 6, 37965-37973	3.7	55
25	A highly efficient Ni–Mo bimetallic hydrogen evolution catalyst derived from a molybdate incorporated Ni-MOF. *Journal of Materials Chemistry A*, **2018**, 6, 9228-9235	13	53
24	Enhancing the reactivity of nickel(ii) in hydrogen evolution reactions (HERs) by hydrogenation of porphyrinoid ligands. *Chemical Science*, **2017**, 8, 5953-5961	9.4	37
23	One step preparation of a high performance Ge-C nanocomposite anode for lithium ion batteries by tandem plasma reactions. *Chemical Communications*, **2014**, 50, 2052-4	5.8	36
22	Enhancing the thermal conductivity of n-eicosane/silica phase change materials by reduced graphene oxide. *Materials Chemistry and Physics*, **2014**, 147, 701-706	4.4	34
21	Intercalated Si/C films as the anode for Li-ion batteries with near theoretical stable capacity prepared by dual plasma deposition. *Journal of Power Sources*, **2013**, 221, 242-246	8.9	34
20	High-performance ammonia oxidation catalysts for anion-exchange membrane direct ammonia fuel cells. *Energy and Environmental Science*, **2021**, 14, 1449-1460	35.4	28
19	Water-Fed Hydroxide Exchange Membrane Electrolyzer Enabled by a Fluoride-Incorporated Nickel–Iron Oxyhydroxide Oxygen Evolution Electrode. *ACS Catalysis*, **2021**, 11, 264-270	13.1	27

18	A miniature room temperature formaldehyde sensor with high sensitivity and selectivity using CdSO4 modified ZnO nanoparticles. *RSC Advances*, **2015**, 5, 75098-75104	3.7	23
17	Plasma modification of a Ni based metal□organic framework for efficient hydrogen evolution. *Journal of Materials Chemistry A*, **2019**, 7, 8129-8135	13	21
16	Low-temperature direct ammonia fuel cells: Recent developments and remaining challenges. *Current Opinion in Electrochemistry*, **2020**, 21, 335-344	7.2	21
15	Chemical induced fragmentation of MOFs for highly efficient Ni-based hydrogen evolution catalysts. *Nanoscale Horizons*, **2018**, 3, 218-225	10.8	21
14	Significantly improved hydrogen desorption property of La2Mg17 alloy modified with Ni□Al nanocrystalline. *Intermetallics*, **2016**, 70, 29-32	3.5	18
13	Synergism of Rare Earth Trihydrides and Graphite in Lithium Storage: Evidence of Hydrogen-Enhanced Lithiation. *Advanced Materials*, **2018**, 30, 1704353	24	18
12	Molybdenum nano-film induced discharged for La2MgNi9 hydrogen storage alloy. *Materials and Design*, **2017**, 114, 599-602	8.1	13
11	Opposite particle size effects on the adsorption kinetics of ZIF-8 for gaseous and solution adsorbates. *RSC Advances*, **2015**, 5, 58595-58599	3.7	13
10	Mimicking of Tunichlorin: Deciphering the Importance of a □Hydroxyl Substituent on Boosting the Hydrogen Evolution Reaction. *ACS Catalysis*, **2020**, 10, 2177-2188	13.1	13
9	Plasma enabled non-thermal phosphorization for nickel phosphide hydrogen evolution catalysts. *Chemical Communications*, **2019**, 55, 4202-4205	5.8	11
8	Hydrolysis Batteries: Generating Electrical Energy during Hydrogen Absorption. *Angewandte Chemie - International Edition*, **2018**, 57, 2219-2223	16.4	9
7	A Direct Ammonia Fuel Cell with a KOH-Free Anode Feed Generating 180 mW cm□ at 120 □C. *Journal of the Electrochemical Society*, **2020**, 167, 134518	3.9	7
6	Improving Performance and Durability of Low Temperature Direct Ammonia Fuel Cells: Effect of Backpressure and Oxygen Reduction Catalysts. *Journal of the Electrochemical Society*, **2021**, 168, 014507	3.9	4
5	A High-Performance Gas-Fed Direct Ammonia Hydroxide Exchange Membrane Fuel Cell. *ACS Energy Letters*, **2021**, 6, 1996-2002	20.1	3
4	Hydrolysis Batteries: Generating Electrical Energy during Hydrogen Absorption. *Angewandte Chemie*, **2018**, 130, 2241-2245	3.6	2
3	A high-performance 75□W direct ammonia fuel cell stack. *Cell Reports Physical Science*, **2022**, 100829	6.1	2
2	R□cktitelbild: Hydrolysis Batteries: Generating Electrical Energy during Hydrogen Absorption (Angew. Chem. 8/2018). *Angewandte Chemie*, **2018**, 130, 2282-2282	3.6	
1	(Invited) Direct Ammonia Polymer Electrolyte Fuel Cell. *ECS Meeting Abstracts*, **2020**, MA2020-01, 1817-1817		0