Junming Zhang

List of Publications by Citations

30 papers	1,368 citations	20 h-index	30 g-index
30 ext. papers	1,938 ext. citations	10.7 avg, IF	4.91 L-index

#	Paper	IF	Citations
30	NiFe Hydroxide Lattice Tensile Strain: Enhancement of Adsorption of Oxygenated Intermediates for Efficient Water Oxidation Catalysis. *Angewandte Chemie - International Edition*, **2019**, 58, 736-740	16.4	188
29	In Situ/Operando Techniques for Characterization of Single-Atom Catalysts. *ACS Catalysis*, **2019**, 9, 2521-2531	13	173
28	A General Method to Probe Oxygen Evolution Intermediates at Operating Conditions. *Joule*, **2019**, 3, 1498-1509	27.8	115
27	Revealing Energetics of Surface Oxygen Redox from Kinetic Fingerprint in Oxygen Electrocatalysis. *Journal of the American Chemical Society*, **2019**, 141, 13803-13811	16.4	87
26	Growth of NiMn LDH nanosheet arrays on KCu7S4 microwires for hybrid supercapacitors with enhanced electrochemical performance. *Journal of Materials Chemistry A*, **2017**, 5, 20579-20587	13	82
25	Amorphous/Crystalline Heterostructured Cobalt-Vanadium-Iron (Oxy)hydroxides for Highly Efficient Oxygen Evolution Reaction. *Advanced Energy Materials*, **2020**, 10, 2002215	21.8	73
24	Facile preparation and sulfidation analysis for activated multiporous carbon@NiCo2S4 nanostructure with enhanced supercapacitive properties. *Electrochimica Acta*, **2016**, 211, 627-635	6.7	62
23	Engineering Ultrathin Co(OH)2 Nanosheets on Dandelion‐like CuCo2O4 Microspheres for Binder-Free Supercapacitors. *ChemElectroChem*, **2017**, 4, 721-727	4.3	57
22	Orbital coupling of hetero-diatomic nickel-iron site for bifunctional electrocatalysis of CO reduction and oxygen evolution. *Nature Communications*, **2021**, 12, 4088	17.4	51
21	NiFe Hydroxide Lattice Tensile Strain: Enhancement of Adsorption of Oxygenated Intermediates for Efficient Water Oxidation Catalysis. *Angewandte Chemie*, **2019**, 131, 746-750	3.6	45
20	Breaking the symmetry: Gradient in NiFe layered double hydroxide nanoarrays for efficient oxygen evolution. *Nano Energy*, **2019**, 60, 661-666	17.1	40
19	Advances in Thermodynamic-Kinetic Model for Analyzing the Oxygen Evolution Reaction. *ACS Catalysis*, **2020**, 10, 8597-8610	13.1	40
18	Rational synthesis of hybrid NiCo2S4@MnO2 heterostructures for supercapacitor electrodes. *Ceramics International*, **2016**, 42, 8909-8914	5.1	38
17	High Intercalation Pseudocapacitance of Free-Standing T-Nb2O5Nanowires@carbon Cloth Hybrid Supercapacitor Electrodes. *Journal of the Electrochemical Society*, **2017**, 164, A820-A825	3.9	35
16	Carbon cloth@T-Nb2O5@MnO2: A rational exploration of manganese oxide for high performance supercapacitor. *Electrochimica Acta*, **2017**, 253, 311-318	6.7	32
15	Facile synthesis of carbon sphere@Ni(OH)2 and derivatives for high-performance supercapacitors. *Functional Materials Letters*, **2016**, 09, 1642002	1.2	27
14	One-pot synthesis of vanadium dioxide nanoflowers on graphene oxide. *Ceramics International*, **2016**, 42, 7883-7887	5.1	27

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13	Boosting oxygen reaction activity by coupling sulfides for high-performance rechargeable metal–air battery. *Journal of Materials Chemistry A*, **2018**, 6, 21162-21166	13	26
12	Amorphous Multimetal Alloy Oxygen Evolving Catalysts **2020**, 2, 624-632		25
11	Construction of hierarchical NiMoO4@MnO2 nanosheet arrays on titanium mesh for supercapacitor electrodes. *Ceramics International*, **2016**, 42, 18058-18063	5.1	25
10	Design of hierarchical, three-dimensional free-standing single-atom electrode for H2O2 production in acidic media **2020**, 2, 276-282		20
9	Self-assembly of three-dimensional CdS nanosphere/graphene networks for efficient photocatalytic hydrogen evolution. *Journal of Energy Chemistry*, **2019**, 31, 34-38	12	20
8	Tuning the Electronic Structures of Multimetal Oxide Nanoplates to Realize Favorable Adsorption Energies of Oxygenated Intermediates. *ACS Nano*, **2020**,	16.7	19
7	Random alloy and intermetallic nanocatalysts in fuel cell reactions. *Nanoscale*, **2020**, 12, 19557-19581	7.7	16
6	Engineering the Near-Surface of PtRu Nanoparticles to Improve Hydrogen Oxidation Activity in Alkaline Electrolyte. *Small*, **2021**, 17, e2006698	11	12
5	Fabricating 3D Macroscopic Graphene-Based Architectures with Outstanding Flexibility by the Novel Liquid Drop/Colloid Flocculation Approach for Energy Storage Applications. *ACS Applied Materials & Interfaces*, **2018**, 10, 21991-22001	9.5	11
4	Strong Metal-Support Interaction Boosts Activity, Selectivity, and Stability in Electrosynthesis of HO.. *Journal of the American Chemical Society*, **2022**,	16.4	10
3	Self-Template Synthesis of Atomically Dispersed Fe/N-Codoped Nanocarbon as Efficient Bifunctional Alkaline Oxygen Electrocatalyst. *ACS Applied Energy Materials*, **2020**, 3, 625-634	6.1	8
2	Precise Tuning of Bimetallic Electronic Effect for Boosting Oxygen Reduction Catalysis. *Nano Letters*, **2021**, 21, 7753-7760	11.5	4
1	Towards the Rational Design of Stable Electrocatalysts for Green Hydrogen Production. *Catalysts*, **2022**, 12, 204	4	0