Hao Wan

List of Publications by Citations

33 papers	804 citations	17 h-index	28 g-index
40 ext. papers	1,154 ext. citations	8.8 avg, IF	4.54 L-index

#	Paper	IF	Citations
33	Interface Modulation of Two-Dimensional Superlattices for Efficient Overall Water Splitting. *Nano Letters*, **2019**, 19, 4518-4526	11.5	121
32	Metal-Organic Framework Hexagonal Nanoplates: Bottom-up Synthesis, Topotactic Transformation, and Efficient Oxygen Evolution Reaction. *Journal of the American Chemical Society*, **2020**, 142, 7317-7321	16.4	75
31	2D Free-Standing Nitrogen-Doped Ni-Ni S @Carbon Nanoplates Derived from Metal-Organic Frameworks for Enhanced Oxygen Evolution Reaction. *Small*, **2019**, 15, e1900348	11	62
30	Layered Metal Hydroxides and Their Derivatives: Controllable Synthesis, Chemical Exfoliation, and Electrocatalytic Applications. *Advanced Energy Materials*, **2020**, 10, 1902535	21.8	48
29	Recent progress in functionalized layered double hydroxides and their application in efficient electrocatalytic water oxidation. *Journal of Energy Chemistry*, **2019**, 32, 93-104	12	47
28	Rare Cobalt-Based Phosphate Nanoribbons with Unique 5-Coordination for Electrocatalytic Water Oxidation. *ACS Energy Letters*, **2018**, 3, 1254-1260	20.1	46
27	Recent advances in developing high-performance nanostructured electrocatalysts based on 3d transition metal elements. *Nanoscale Horizons*, **2019**, 4, 789-808	10.8	37
26	Post-synthesis isomorphous substitution of layered Co-Mn hydroxide nanocones with graphene oxide as high-performance supercapacitor electrodes. *Nanoscale*, **2019**, 11, 6165-6173	7.7	31
25	Controllable atomic defect engineering in layered NixFe1□(OH)2 nanosheets for electrochemical overall water splitting. *Journal of Materials Chemistry A*, **2021**, 9, 14432-14443	13	30
24	Advanced Electrocatalytic Performance of Ni-Based Materials for Oxygen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 341-349	8.3	27
23	Morphological Evolution and Magnetic Property of Rare-Earth-Doped Hematite Nanoparticles: Promising Contrast Agents for T1-Weighted Magnetic Resonance Imaging. *Advanced Functional Materials*, **2017**, 27, 1606821	15.6	24
22	Liquid Phase Exfoliation of MoS2 Assisted by Formamide Solvothermal Treatment and Enhanced Electrocatalytic Activity Based on (H3Mo12O40P/MoS2)n Multilayer Structure. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5227-5237	8.3	24
21	Hybrid Nanostructures of Bimetallic NiCo Nitride/N-Doped Reduced Graphene Oxide as Efficient Bifunctional Electrocatalysts for Rechargeable Zn□Air Batteries. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 19612-19620	8.3	24
20	In situ growth of metallic Ag intercalated CoAl layered double hydroxides as efficient electrocatalysts for the oxygen reduction reaction in alkaline solutions. *Dalton Transactions*, **2019**, 48, 1084-1094	4.3	23
19	Three-dimensionally interconnected Si frameworks derived from natural halloysite clay: a high-capacity anode material for lithium-ion batteries. *Dalton Transactions*, **2018**, 47, 7522-7527	4.3	21
18	Activating Hematite Nanoplates via Partial Reduction for Electrocatalytic Oxygen Reduction Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 11841-11849	8.3	18
17	Facile synthesis and lithium storage performance of (NH4)2V3O8 nanoflakes. *Journal of Applied Electrochemistry*, **2016**, 46, 879-885	2.6	18

16	Advanced electrocatalysts based on two-dimensional transition metal hydroxides and their composites for alkaline oxygen reduction reaction. *Nanoscale*, **2020**, 12, 21479-21496	7.7	17
15	Facile synthesis and characterization of core-shell structured Ag3PO4@Hal nanocomposites for enhanced photocatalytic properties. *Applied Clay Science*, **2017**, 141, 132-137	5.2	13
14	Large-Scale Preparation, Chemical Exfoliation, and Structural Modification of Layered Zinc Hydroxide Nanocones: Transformation into Zinc Oxide Nanocones for Enhanced Photocatalytic Properties. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5869-5879	8.3	13
13	Montmorillonite: A structural evolution from bulk through unilaminar nanolayers to nanotubes. *Applied Clay Science*, **2020**, 194, 105695	5.2	13
12	Single-atom catalysts for electrochemical energy storage and conversion. *Journal of Energy Chemistry*, **2021**,	12	12
11	Acetate-induced controlled-synthesis of hematite polyhedra enclosed by high-activity facets for enhanced photocatalytic performance. *RSC Advances*, **2016**, 6, 66879-66883	3.7	11
10	In Situ Anchoring Massive Isolated Pt Atoms at Cationic Vacancies of □Ni x Fe 1-x (OH) 2 to Regulate the Electronic Structure for Overall Water Splitting. *Advanced Functional Materials*,2203342	15.6	10
9	Activity enhancement of layered cobalt hydroxide nanocones by tuning interlayer spacing and phosphidation for electrocatalytic water oxidation in neutral solutions. *Inorganic Chemistry Frontiers*, **2019**, 6, 1744-1752	6.8	6
8	Multi-shelled cobalt-nickel oxide/phosphide hollow spheres for an efficient oxygen evolution reaction. *Dalton Transactions*, **2020**, 49, 10918-10927	4.3	6
7	Heterostructured NiFe oxide/phosphide nanoflakes for efficient water oxidation. *Dalton Transactions*, **2019**, 48, 8442-8448	4.3	5
6	Alternate Restacking of 2 D CoNi Hydroxide and Graphene Oxide Nanosheets for Energetic Oxygen Evolution. *ChemSusChem*, **2019**, 12, 5274	8.3	5
5	Ultrathin Nanosheet-Assembled Co-Fe Hydroxide Nanotubes: Sacrificial Template Synthesis, Topotactic Transformation, and Their Application as Electrocatalysts for Efficient Oxygen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2020**, 12, 46578-46587	9.5	5
4	Composition Tuning of Ultrafine Cobalt-Based Spinel Nanoparticles for Efficient Oxygen Evolution. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5534-5543	8.3	4
3	N-doped bimetallic sulfides hollow spheres derived from metal-organic frameworks toward cost-efficient and high performance oxygen evolution reaction. *Applied Surface Science*, **2022**, 591, 153173	6.7	2
2	Advanced silicon nanostructures derived from natural silicate minerals for energy storage and conversion. *Green Energy and Environment*, **2021**, 7, 205-205	5.7	1
1	Anchoring Active Sites by Pt2FeNi Alloy Nanoparticles on NiFe Layered Double Hydroxides for Efficient Electrocatalytic Oxygen Evolution Reaction. *Energy and Environmental Materials*,	13	1