

# Shuwen Niu

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

2,952  
citations

567281

15  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

3980  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring the d-Band Centers Enables Co <sub>4</sub> N Nanosheets To Be Highly Active for Hydrogen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5076-5080.	13.8	728
2	Progress in Developing Metal Oxide Nanomaterials for Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2017, 7, 1700555.	19.5	455
3	Deciphering the Modulation Essence of p Bands in Co-Based Compounds on Li-S Chemistry. <i>Joule</i> , 2018, 2, 2681-2693.	24.0	406
4	Electron density modulation of NiCo <sub>2</sub> S <sub>4</sub> nanowires by nitrogen incorporation for highly efficient hydrogen evolution catalysis. <i>Nature Communications</i> , 2018, 9, 1425.	12.8	356
5	N-induced lattice contraction generally boosts the hydrogen evolution catalysis of P-rich metal phosphides. <i>Science Advances</i> , 2020, 6, eaaw8113.	10.3	211
6	Boosting Water Dissociation Kinetics on Pt-Ni Nanowires by N-Induced Orbital Tuning. <i>Advanced Materials</i> , 2019, 31, e1807780.	21.0	167
7	Tailoring the d-Band Centers Enables Co <sub>4</sub> N Nanosheets To Be Highly Active for Hydrogen Evolution Catalysis. <i>Angewandte Chemie</i> , 2018, 130, 5170-5174.	2.0	160
8	Two-dimensional MOS <sub>2</sub> for hydrogen evolution reaction catalysis: The electronic structure regulation. <i>Nano Research</i> , 2021, 14, 1985-2002.	10.4	98
9	Regulating the Interfacial Electronic Coupling of Fe <sub>2</sub> N via Orbital Steering for Hydrogen Evolution Catalysis. <i>Advanced Materials</i> , 2020, 32, e1904346.	21.0	86
10	Manipulating the water dissociation kinetics of Ni <sub>3</sub> N nanosheets via in situ interfacial engineering. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10924-10929.	10.3	79
11	Interfacial synergies between single-atomic Pt and CoS for enhancing hydrogen evolution reaction catalysis. <i>Applied Catalysis B: Environmental</i> , 2022, 315, 121534.	20.2	63
12	Reversing the Nucleophilicity of Active Sites in CoP <sub>2</sub> Enables Exceptional Hydrogen Evolution Catalysis. <i>Small</i> , 2022, 18, e2106870.	10.0	27
13	Orbital-regulated interfacial electronic coupling endows Ni <sub>3</sub> N with superior catalytic surface for hydrogen evolution reaction. <i>Science China Chemistry</i> , 2020, 63, 1563-1569.	8.2	22
14	Phosphorus incorporation activates the basal plane of tungsten disulfide for efficient hydrogen evolution catalysis. <i>Nano Research</i> , 2022, 15, 2855-2861.	10.4	21
15	Hierarchical Ion/Electron Networks Enable Efficient Red Phosphorus Anode with High Mass Loading for Sodium Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	21
16	Regulating the adsorption behavior of intermediates on W@WO <sub>3</sub> x boosts acidic water oxidation electrocatalysis. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6092-6100.	5.9	17
17	Accelerating water dissociation kinetics of Ni <sub>3</sub> N by tuning interfacial orbital coupling. <i>Nano Research</i> , 2021, 14, 3458-3465.	10.4	16
18	Atomic Disorder Enables Superior Catalytic Surface of Pt-Based Catalysts for Alkaline Hydrogen Evolution. , 2021, 3, 1738-1745.		13

#	ARTICLE	IF	CITATIONS
19	Constructing Complementary Catalytic Components on Co <sub>4</sub> N Nanowires to Achieve Efficient Hydrogen Evolution Catalysis. <i>Advanced Energy and Sustainability Research</i> , 0, , 2100219.	5.8	5
20	Water Splitting: Boosting Water Dissociation Kinetics on Pt–Ni Nanowires by $\pi$ -Induced Orbital Tuning ( <i>Adv. Mater.</i> 16/2019). <i>Advanced Materials</i> , 2019, 31, 1970116.	21.0	1