

# Renjie Wei

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,676  
citations

304743

22  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3119  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Nanostructures: Design for Sustainable Water Splitting. <i>Advanced Energy Materials</i> , 2017, 7, 1700559.	19.5	247
2	High-Index Faceted Porous Co <sub>3</sub> O <sub>4</sub> Nanosheets with Oxygen Vacancies for Highly Efficient Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7079-7086.	8.0	179
3	Two-dimensional perovskite materials: From synthesis to energy-related applications. <i>Materials Today Energy</i> , 2019, 11, 61-82.	4.7	133
4	Simple and cost effective fabrication of 3D porous core-shell Ni nanochains@NiFe layered double hydroxide nanosheet bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21722-21729.	10.3	129
5	Ultrathin SnS <sub>2</sub> nanosheets with exposed {001} facets and enhanced photocatalytic properties. <i>Acta Materialia</i> , 2014, 66, 163-171.	7.9	104
6	Direct Vapor-Liquid-Solid Synthesis of All-Inorganic Perovskite Nanowires for High-Performance Electronics and Optoelectronics. <i>ACS Nano</i> , 2019, 13, 6060-6070.	14.6	93
7	In situ formation of highly active Ni-Fe based oxygen-evolving electrocatalysts via simple reactive dip-coating. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11009-11015.	10.3	85
8	Engineering Surface Structure of Spinel Oxides via High-Valent Vanadium Doping for Remarkably Enhanced Electrocatalytic Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 33012-33021.	8.0	70
9	A unique sandwich structure of a CoMnP/Ni <sub>2</sub> P/NiFe electrocatalyst for highly efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12325-12332.	10.3	62
10	Is platinum a suitable counter electrode material for electrochemical hydrogen evolution reaction?. <i>Science Bulletin</i> , 2017, 62, 971-973.	9.0	59
11	Controllable synthesis of highly active BiOCl hierarchical microsphere self-assembled by nanosheets with tunable thickness. <i>Applied Catalysis B: Environmental</i> , 2015, 172-173, 91-99.	20.2	57
12	Transparent metal-oxide nanowires and their applications in harsh electronics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 202-217.	5.5	53
13	Artificial visual systems enabled by quasi-two-dimensional electron gases in oxide superlattice nanowires. <i>Science Advances</i> , 2020, 6, .	10.3	51
14	Novel Bi <sub>2</sub> O <sub>3</sub> /NaBi(MoO <sub>4</sub> ) <sub>2</sub> heterojunction with enhanced photocatalytic activity under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2013, 580, 475-480.	5.5	40
15	Cerium Phosphate as a Novel Cocatalyst Promoting NiCo <sub>2</sub> O <sub>4</sub> Nanowire Arrays for Efficient and Robust Electrocatalytic Oxygen Evolution. <i>ACS Applied Energy Materials</i> , 2019, 2, 5769-5776.	5.1	39
16	Enhanced performance of perovskite solar cells based on vertical TiO <sub>2</sub> nanotube arrays with full filling of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>Applied Surface Science</i> , 2018, 451, 250-257.	6.1	32
17	Two-Dimensional Cobalt Phosphate Hydroxide Nanosheets: A New Type of High-Performance Electrocatalysts with Intrinsic CoO <sub>6</sub> Lattice Distortion for Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 38633-38640.	8.0	31
18	Co <sub>3</sub> O <sub>4</sub> Nanosheets with In-Plane Pores and Highly Active {112} Exposed Facets for High Performance Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19002-19009.	3.1	30

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19	More than physical support: The effect of nickel foam corrosion on electrocatalytic performance. <i>Applied Surface Science</i> , 2021, 538, 147977.	6.1	27
20	Direct Visualization of Grain Boundaries in 2D Monolayer WS <sub>2</sub> via Induced Growth of CdS Nanoparticle Chains. <i>Small Methods</i> , 2019, 3, 1800245.	8.6	26
21	Coupling of Nickel Boride and Ni(OH) <sub>2</sub> Nanosheets with Hierarchical Interconnected Conductive Porous Structure Synergizes the Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2018, 10, 4555-4561.	3.7	23
22	Glutathione modified ultrathin SnS <sub>2</sub> nanosheets with highly photocatalytic activity for wastewater treatment. <i>Materials Research Express</i> , 2014, 1, 025018.	1.6	22
23	Towards high-mobility In <sub>2</sub> Ga <sub>2</sub> O <sub>3</sub> nanowire field-effect transistors. <i>Nano Research</i> , 2018, 11, 5935-5945.	10.4	22
24	The origin of gate bias stress instability and hysteresis in monolayer WS <sub>2</sub> transistors. <i>Nano Research</i> , 2020, 13, 3278-3285.	10.4	20
25	Utilizing a NaOH Promoter to Achieve Large Single-Domain Monolayer WS <sub>2</sub> Films via Modified Chemical Vapor Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35238-35246.	8.0	19
26	Hierarchical Nanostructures: Hierarchical Nanostructures: Design for Sustainable Water Splitting ( <i>Adv. Energy Mater.</i> 23/2017). <i>Advanced Energy Materials</i> , 2017, 7, 1770135.	19.5	12
27	In situ electrochemical conversion of cobalt oxide@MOF-74 core-shell structure as an efficient and robust electrocatalyst for water oxidation. <i>Applied Materials Today</i> , 2020, 21, 100820.	4.3	11