

# Chaoran Jiang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6545752/publications.pdf>

Version: 2024-02-01

13  
papers

1,870  
citations

759233

12  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

3568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectrochemical devices for solar water splitting " materials and challenges. Chemical Society Reviews, 2017, 46, 4645-4660.	38.1	1,140
2	Unique hole-accepting carbon-dots promoting selective carbon dioxide reduction nearly 100% to methanol by pure water. Nature Communications, 2020, 11, 2531.	12.8	168
3	Highly crystallized $\gamma$ -FeOOH for a stable and efficient oxygen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 2021-2028.	10.3	140
4	Photochemical $\text{CO}_2$ reduction using structurally controlled $\text{g-C}_3\text{N}_4$ . Physical Chemistry Chemical Physics, 2016, 18, 24825-24829.	2.8	89
5	Highly Efficient Oxygen Reduction Catalysts by Rational Synthesis of Nanoconfined Maghemite in a Nitrogen-Doped Graphene Framework. ACS Catalysis, 2016, 6, 3558-3568.	11.2	74
6	Earth-Abundant Oxygen Evolution Catalysts Coupled onto ZnO Nanowire Arrays for Efficient Photoelectrochemical Water Cleavage. Chemistry - A European Journal, 2014, 20, 12954-12961.	3.3	57
7	Size-controlled $\text{TiO}_2$ nanoparticles on porous hosts for enhanced photocatalytic hydrogen production. Applied Catalysis A: General, 2016, 521, 133-139.	4.3	57
8	Rational Design of Atomic Layers of Pt Anchored on $\text{Mo}_2\text{C}$ Nanorods for Efficient Hydrogen Evolution over a Wide pH Range. Small, 2019, 15, e1900014.	10.0	52
9	$\text{Co}_3\text{-O-V}_4\text{+}$ cluster in $\text{CoVO}_x$ nanorods for efficient and stable electrochemical oxygen evolution. Applied Catalysis B: Environmental, 2021, 282, 119571.	20.2	39
10	Crystallinity-Modulated $\text{Co}_2\text{-V}_2\text{O}_4$ Nanoplates for Efficient Electrochemical Water Oxidation. ACS Catalysis, 2021, 11, 14884-14891.	11.2	23
11	Defect-Free Single-Layer Graphene by 10 s Microwave Solid Exfoliation and Its Application for Catalytic Water Splitting. ACS Applied Materials & Interfaces, 2021, 13, 28600-28609.	8.0	17
12	Stabilization of GaAs photoanodes by <i>in situ</i> deposition of nickel-borate surface catalysts as hole trapping sites. Sustainable Energy and Fuels, 2019, 3, 814-822.	4.9	14
13	2 Devices for Solar-Driven Water Splitting to Hydrogen Fuel and Their Technical and Economic Assessments. , 2016, , 9-46.		0