

# Yi Shi

## List of Publications by Year in descending order

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22  
papers

2,678  
citations

516710

16  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

4131  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Level Engineering of MoS <sub>2</sub> by Transition-Metal Doping for Accelerating Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2017, 139, 15479-15485.	13.7	713
2	Hot Electron of Au Nanorods Activates the Electrocatalysis of Hydrogen Evolution on MoS <sub>2</sub> Nanosheets. <i>Journal of the American Chemical Society</i> , 2015, 137, 7365-7370.	13.7	556
3	Electronic metal-support interaction modulates single-atom platinum catalysis for hydrogen evolution reaction. <i>Nature Communications</i> , 2021, 12, 3021.	12.8	397
4	Direct Plasmon-Accelerated Electrochemical Reaction on Gold Nanoparticles. <i>ACS Nano</i> , 2017, 11, 5897-5905.	14.6	208
5	Maleimide-thiol adducts stabilized through stretching. <i>Nature Chemistry</i> , 2019, 11, 310-319.	13.6	154
6	Site-specific electrodeposition enables self-terminating growth of atomically dispersed metal catalysts. <i>Nature Communications</i> , 2020, 11, 4558.	12.8	131
7	Efficient photocatalytic hydrogen peroxide generation coupled with selective benzylamine oxidation over defective ZrS <sub>3</sub> nanobelts. <i>Nature Communications</i> , 2021, 12, 2039.	12.8	90
8	Bioinspired Engineering of Cobalt-Phosphonate Nanosheets for Robust Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2018, 8, 3895-3902.	11.2	69
9	Enhanced Peroxidase-Like Performance of Gold Nanoparticles by Hot Electrons. <i>Chemistry - A European Journal</i> , 2017, 23, 6717-6723.	3.3	67
10	Plasmonic hot charge carriers activated Ni centres of metal-organic frameworks for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10601-10609.	10.3	51
11	Electronic Metal-Support Interaction To Modulate MoS <sub>2</sub> -Supported Pd Nanoparticles for the Degradation of Organic Dyes. <i>ACS Applied Nano Materials</i> , 2019, 2, 3385-3393.	5.0	43
12	Combining plasmonics and electrochemistry at the nanoscale. <i>Current Opinion in Electrochemistry</i> , 2018, 7, 95-102.	4.8	34
13	Atomic level tailoring of the electrocatalytic activity of Au-Pt core-shell nanoparticles with controllable Pt layers toward hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 442-446.	3.8	30
14	Atomic-Level Metal Electrodeposition: Synthetic Strategies, Applications, and Catalytic Mechanism in Electrochemical Energy Conversion. <i>Small Structures</i> , 2022, 3, 2100185.	12.0	29
15	Oleylamine-functionalized palladium nanoparticles with enhanced electrocatalytic activity for the oxygen reduction reaction. <i>Journal of Power Sources</i> , 2014, 246, 356-360.	7.8	22
16	Localized surface plasmon resonance enhanced label-free photoelectrochemical immunoassay by Au-MoS <sub>2</sub> nanohybrid. <i>Electrochimica Acta</i> , 2018, 271, 361-369.	5.2	21
17	Bifunctional mechanism of hydrogen oxidation reaction on atomic level tailored-Ru@Pt core-shell nanoparticles with tunable Pt layers. <i>Journal of Electroanalytical Chemistry</i> , 2020, 872, 114348.	3.8	18
18	Selective Electrochemical Generation of Hydrogen Peroxide from Oxygen Reduction on Atomically Dispersed Platinum. <i>ACS Applied Energy Materials</i> , 2021, 4, 10843-10848.	5.1	16

#	ARTICLE	IF	CITATIONS
19	Tailoring the electron density of Pd nanoparticles through electronic metal-support interaction for accelerating electrocatalysis of formic acid. <i>Electrochemistry Communications</i> , 2019, 107, 106540.	4.7	14
20	Template synthesis of gold nanoparticles from hyperstar polymers and exploration of their catalytic function for hydrogen evolution reaction. <i>Polymer</i> , 2018, 153, 331-337.	3.8	9
21	Bioinspired Construction of Ruthenium-decorated Nitrogen-doped Graphene Aerogel as an Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 709-714.	2.6	4
22	Atomic-Level Metal Electrodeposition: Synthetic Strategies, Applications, and Catalytic Mechanism in Electrochemical Energy Conversion. <i>Small Structures</i> , 2022, 3, .	12.0	2