

Yi Shi

List of Publications by Year in descending order

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22
papers

2,678
citations

586496

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759306

22
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docs citations

22
times ranked

4739
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic-Level Metal Electrodeposition: Synthetic Strategies, Applications, and Catalytic Mechanism in Electrochemical Energy Conversion. <i>Small Structures</i> , 2022, 3, 2100185.	6.9	29
2	Atomic-Level Metal Electrodeposition: Synthetic Strategies, Applications, and Catalytic Mechanism in Electrochemical Energy Conversion. <i>Small Structures</i> , 2022, 3, .	6.9	2
3	Efficient photocatalytic hydrogen peroxide generation coupled with selective benzylamine oxidation over defective ZrS ₃ nanobelts. <i>Nature Communications</i> , 2021, 12, 2039.	5.8	90
4	Electronic metal-support interaction modulates single-atom platinum catalysis for hydrogen evolution reaction. <i>Nature Communications</i> , 2021, 12, 3021.	5.8	397
5	Selective Electrochemical Generation of Hydrogen Peroxide from Oxygen Reduction on Atomically Dispersed Platinum. <i>ACS Applied Energy Materials</i> , 2021, 4, 10843-10848.	2.5	16
6	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.	1.3	4
7	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.	1.9	18
8	Site-specific electrodeposition enables self-terminating growth of atomically dispersed metal catalysts. <i>Nature Communications</i> , 2020, 11, 4558.	5.8	131
9	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.	2.3	14
10	Electronic Metal-Support Interaction To Modulate MoS ₂ -Supported Pd Nanoparticles for the Degradation of Organic Dyes. <i>ACS Applied Nano Materials</i> , 2019, 2, 3385-3393.	2.4	43
11	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.	5.2	51
12	Maleimide-thiol adducts stabilized through stretching. <i>Nature Chemistry</i> , 2019, 11, 310-319.	6.6	154
13	Localized surface plasmon resonance enhanced label-free photoelectrochemical immunoassay by Au-MoS ₂ nanohybrid. <i>Electrochimica Acta</i> , 2018, 271, 361-369.	2.6	21
14	Bioinspired Engineering of Cobalt-Phosphonate Nanosheets for Robust Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2018, 8, 3895-3902.	5.5	69
15	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.	1.9	30
16	Combining plasmonics and electrochemistry at the nanoscale. <i>Current Opinion in Electrochemistry</i> , 2018, 7, 95-102.	2.5	34
17	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.	1.8	9
18	Enhanced Peroxidase-Like Performance of Gold Nanoparticles by Hot Electrons. <i>Chemistry - A European Journal</i> , 2017, 23, 6717-6723.	1.7	67

#	ARTICLE	IF	CITATIONS
19	Direct Plasmon-Accelerated Electrochemical Reaction on Gold Nanoparticles. ACS Nano, 2017, 11, 5897-5905.	7.3	208
20	Energy Level Engineering of MoS ₂ by Transition-Metal Doping for Accelerating Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2017, 139, 15479-15485.	6.6	713
21	Hot Electron of Au Nanorods Activates the Electrocatalysis of Hydrogen Evolution on MoS ₂ Nanosheets. Journal of the American Chemical Society, 2015, 137, 7365-7370.	6.6	556
22	Oleylamine-functionalized palladium nanoparticles with enhanced electrocatalytic activity for the oxygen reduction reaction. Journal of Power Sources, 2014, 246, 356-360.	4.0	22