Yi Shi

List of Publications by Year in descending order

22 papers	2,678 citations	516561 16 h-index	677027 22 g-index
22 all docs	22 docs citations	22 times ranked	4131 citing authors

#	Article	IF	Citations
1	Atomicâ€Level Metal Electrodeposition: Synthetic Strategies, Applications, and Catalytic Mechanism in Electrochemical Energy Conversion. Small Structures, 2022, 3, 2100185.	6.9	29
2	Atomicâ€Level Metal Electrodeposition: Synthetic Strategies, Applications, and Catalytic Mechanism in Electrochemical Energy Conversion. Small Structures, 2022, 3, .	6.9	2
3	Efficient photocatalytic hydrogen peroxide generation coupled with selective benzylamine oxidation over defective ZrS3 nanobelts. Nature Communications, 2021, 12, 2039.	5.8	90
4	Electronic metalâ€“support interaction modulates single-atom platinum catalysis for hydrogen evolution reaction. Nature Communications, 2021, 12, 3021.	5.8	397
5	Selective Electrochemical Generation of Hydrogen Peroxide from Oxygen Reduction on Atomically Dispersed Platinum. ACS Applied Energy Materials, 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. Chemical Research in Chinese Universities, 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. Journal of Electroanalytical Chemistry, 2020, 872, 114348.	1.9	18
8	Site-specific electrodeposition enables self-terminating growth of atomically dispersed metal catalysts. Nature Communications, 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. Electrochemistry Communications, 2019, 107, 106540.	2.3	14
10	Electronic Metalâ€“Support Interaction To Modulate MoS₂-Supported Pd Nanoparticles for the Degradation of Organic Dyes. ACS Applied Nano Materials, 2019, 2, 3385-3393.	2.4	43
11	Plasmonic hot charge carriers activated Ni centres of metalâ€“organic frameworks for the oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 10601-10609.	5.2	51
12	Maleimideâ€“thiol adducts stabilized through stretching. Nature Chemistry, 2019, 11, 310-319.	6.6	154
13	Localized surface plasmon resonance enhanced label-free photoelectrochemical immunoassay by Au-MoS2 nanohybrid. Electrochimica Acta, 2018, 271, 361-369.	2.6	21
14	Bioinspired Engineering of Cobalt-Phosphonate Nanosheets for Robust Hydrogen Evolution Reaction. ACS Catalysis, 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. Journal of Electroanalytical Chemistry, 2018, 819, 442-446.	1.9	30
16	Combining plasmonics and electrochemistry at the nanoscale. Current Opinion in Electrochemistry, 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. Polymer, 2018, 153, 331-337.	1.8	9
18	Enhanced Peroxidaseâ€Like Performance of Gold Nanoparticles by Hot Electrons. Chemistry - A European Journal, 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 MoS₂ 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 MoS₂ 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