Guoyu Shi

List of Publications by Year
in descending order

19 papers	486 citations	840776 11 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	742 citing authors

#	Article	IF	Citations
1	Particle-Size Effect of Pt Anode Catalysts on H₂O₂ Production Rate and H₂ Oxidation Activity at 20 to 80 Â°C. Journal of the Electrochemical Society, 2022, 169, 014516.	2.9	4
2	Pt nanorods oriented on Gd-doped ceria polyhedra enable superior oxygen reduction catalysis for fuel cells. Journal of Catalysis, 2022, 407, 300-311.	6.2	17
3	Temperature Dependence of Oxygen Reduction Activity at Pt/Nb-Doped SnO₂ Catalysts with Varied Pt Loading. ACS Catalysis, 2021, 11, 5222-5230.	11.2	28
4	Unparalleled mitigation of membrane degradation in fuel cells <i>via</i> a counter-intuitive approach: suppression of H₂O₂ production at the hydrogen anode using a Pt_{skin}â€“PtCo catalyst. Journal of Materials Chemistry A, 2020, 8, 1091-1094.	10.3	19
5	Effect of core-alloy composition and particle size of stabilized Pt Skin/PtCo alloy nanocatalysts on the CO-Tolerant hydrogen oxidation electrocatalysis. Electrochimica Acta, 2019, 328, 135056.	5.2	12
6	High hydrogen evolution activity and suppressed H₂O₂ production on Pt-skin/PtFe alloy nanocatalysts for proton exchange membrane water electrolysis. Physical Chemistry Chemical Physics, 2019, 21, 2861-2865.	2.8	11
7	Suppression of H2O2 Formation at Pt-Skin/Pt Alloy Hydrogen Anode Catalysts for Mitigation of Membrane Degradation. ECS Meeting Abstracts, 2019, , .	0.0	0
8	(Invited)<i />Recent Progress in the Understanding of the Electrocatalysis of the CO-Tolerant Hydrogen Oxidation Reaction in Polymer Electrolyte Fuel Cells. ECS Transactions, 2018, 85, 41-46.	0.5	7
9	Highly Active, CO-Tolerant, and Robust Hydrogen Anode Catalysts: Ptâ€“M (M = Fe, Co, Ni) Alloys with Stabilized Pt-Skin Layers. ACS Catalysis, 2017, 7, 267-274.	11.2	67
10	Weakened CO adsorption and enhanced structural integrity of a stabilized Pt skin/PtCo hydrogen oxidation catalyst analysed by <i>in situ</i> X-ray absorption spectroscopy. Catalysis Science and Technology, 2017, 7, 6124-6131.	4.1	16
11	Amphoteric surfactant promoted three-dimensional assembly of graphene micro/nanoclusters to accomodate Pt nanoparticles for methanol oxidation. Electrochimica Acta, 2015, 160, 288-295.	5.2	37
12	A label-free immunosensor for detecting common acute lymphoblastic leukemia antigen (CD10) based on gold nanoparticles by quartz crystal microbalance. Sensors and Actuators B: Chemical, 2015, 210, 248-253.	7.8	31
13	Facile preparation of a Pt/Prussian blue/graphene composite and its application as an enhanced catalyst for methanol oxidation. Electrochimica Acta, 2014, 121, 245-252.	5.2	37
14	Mixed ionic liquids/graphene-supported platinum nanoparticles as an electrocatalyst for methanol oxidation. Electrochimica Acta, 2014, 142, 167-172.	5.2	33
15	An ionic liquid-modified graphene based molecular imprinting electrochemical sensor for sensitive detection of bovine hemoglobin. Biosensors and Bioelectronics, 2014, 61, 391-396.	10.1	115
16	A novel phosphomolybdic acidâ€“polypyrrole/graphene composite modified electrode for sensitive determination of folic acid. Journal of Electroanalytical Chemistry, 2014, 726, 107-111.	3.8	29
17	Fabrication and characterization of a zirconia/multi-walled carbon nanotube mesoporous composite. Materials Science and Engineering C, 2013, 33, 3931-3934.	7.3	10
18	Electrochemical Deposition of Graphene Supported PtCo Composite Catalysts for Electrocatalytic Methanol Oxidation. Acta Chimica Sinica, 2013, 71, 227.	1.4	4

#	Article	IF	Citations
19	Research Progress on Pt-Based Anode Catalysts in the Direct Methanol Fuel Cell. Acta Chimica Sinica, 2013, 71, 20130902.	1.4	9