Haifeng Lv

List of Publications by Year
in descending order

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27 papers	4,586 citations	279701 23 h-index	501076 28 g-index
28 all docs	28 docs citations	28 times ranked	7419 citing authors

#	Article	IF	Citations
1	Monodisperse Au Nanoparticles for Selective Electrocatalytic Reduction of CO₂ to CO. Journal of the American Chemical Society, 2013, 135, 16833-16836.	6.6	1,192
2	Active and Selective Conversion of CO₂ to CO on Ultrathin Au Nanowires. Journal of the American Chemical Society, 2014, 136, 16132-16135.	6.6	784
3	New Approach to Fully Ordered fct-FePt Nanoparticles for Much Enhanced Electrocatalysis in Acid. Nano Letters, 2015, 15, 2468-2473.	4.5	385
4	High-Performance Rh₂P Electrocatalyst for Efficient Water Splitting. Journal of the American Chemical Society, 2017, 139, 5494-5502.	6.6	343
5	A New Core/Shell NiAu/Au Nanoparticle Catalyst with Pt-like Activity for Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2015, 137, 5859-5862.	6.6	274
6	Nitrogen-doped reduced graphene oxide supports for noble metal catalysts with greatly enhanced activity and stability. Applied Catalysis B: Environmental, 2013, 132-133, 379-388.	10.8	231
7	Metalâ€“Organic Frameworkâ€Derived Bambooâ€like Nitrogenâ€Doped Graphene Tubes as an Active Matrix for Hybrid Oxygenâ€Reduction Electrocatalysts. Small, 2015, 11, 1443-1452.	5.2	209
8	Recent advances in the design of tailored nanomaterials for efficient oxygen reduction reaction. Nano Energy, 2016, 29, 149-165.	8.2	177
9	Eliminating dissolution of platinum-based electrocatalysts at the atomic scale. Nature Materials, 2020, 19, 1207-1214.	13.3	127
10	Impact of Catalyst Ink Dispersing Methodology on Fuel Cell Performance Using in-Situ X-ray Scattering. ACS Applied Energy Materials, 2019, 2, 6417-6427.	2.5	104
11	Nano-ceramic support materials for low temperature fuel cell catalysts. Nanoscale, 2014, 6, 5063-5074.	2.8	93
12	A highly stable catalyst for PEM fuel cell based on durable titanium diboride support and polymer stabilization. Applied Catalysis B: Environmental, 2010, 93, 233-240.	10.8	86
13	Nano-silicon carbide supported catalysts for PEM fuel cells with high electrochemical stability and improved performance by addition of carbon. Applied Catalysis B: Environmental, 2010, 100, 190-196.	10.8	86
14	An ambient aqueous synthesis for highly dispersed and active Pd/C catalyst for formic acid electro-oxidation. Journal of Power Sources, 2010, 195, 7246-7249.	4.0	80
15	Nano-boron carbide supported platinum catalysts with much enhanced methanol oxidation activity and CO tolerance. Journal of Materials Chemistry, 2012, 22, 9155.	6.7	66
16	Porous graphene supported Pt catalysts for proton exchange membrane fuel cells. Electrochimica Acta, 2014, 132, 356-363.	2.6	61
17	Progress in the Development of Oxygen Reduction Reaction Catalysts for Low-Temperature Fuel Cells. Annual Review of Chemical and Biomolecular Engineering, 2016, 7, 509-532.	3.3	46
18	High stability platinum electrocatalysts with zirconiaâ€“carbon hybrid supports. Journal of Materials Chemistry, 2012, 22, 1135-1141.	6.7	39

#	Article	IF	Citations
19	Nano Conductive Ceramic Wedged Graphene Composites as Highly Efficient Metal Supports for Oxygen Reduction. Scientific Reports, 2014, 4, 3968.	1.6	37
20	Direct Transformation of Amorphous Silicon Carbide into Graphene under Low Temperature and Ambient Pressure. Scientific Reports, 2013, 3, 1148.	1.6	34
21	Heat-treated multi-walled carbon nanotubes as durable supports for PEM fuel cell catalysts. Electrochimica Acta, 2011, 58, 736-742.	2.6	27
22	Atomic scale deposition of Pt around Au nanoparticles to achieve much enhanced electrocatalysis of Pt. Nanoscale, 2017, 9, 7745-7749.	2.8	24
23	Highly active Pt@Au nanoparticles encapsulated in perfluorosulfonic acid for the reduction of oxygen. Chemical Communications, 2011, 47, 12792.	2.2	23
24	Oxidation Stability of Nanographite Materials. Advanced Energy Materials, 2013, 3, 1176-1179.	10.2	22
25	Enhanced life of proton exchange membrane fuel cell catalysts using perfluorosulfonic acid stabilized carbon support. Electrochimica Acta, 2011, 56, 2154-2159.	2.6	21
26	Electrochemical Durability of Heat-Treated Carbon Nanospheres as Catalyst Supports for Proton Exchange Membrane Fuel Cells. Journal of Nanoscience and Nanotechnology, 2014, 14, 7027-7031.	0.9	6
27	Pt₃Sn nanoparticles enriched with SnO₂/Pt₃Sn interfaces for highly efficient alcohol electrooxidation. Nanoscale Advances, 2021, 3, 5062-5067.	2.2	5