

# Yi Zhou

## List of Publications by Year in descending order

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16  
papers

903  
citations

759233

12  
h-index

940533

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16  
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times ranked

1601  
citing authors

#	ARTICLE	IF	CITATIONS
1	Signal-Enhanced Electrochemiluminescence Biosensors Based on CdS-Carbon Nanotube Nanocomposite for the Sensitive Detection of Choline and Acetylcholine. <i>Advanced Functional Materials</i> , 2009, 19, 1444-1450.	14.9	177
2	An efficient reduction route for the production of Pd-Pt nanoparticles anchored on graphene nanosheets for use as durable oxygen reduction electrocatalysts. <i>Carbon</i> , 2012, 50, 265-274.	10.3	169
3	Conversion of PtNi alloy from disordered to ordered for enhanced activity and durability in methanol-tolerant oxygen reduction reactions. <i>Nano Research</i> , 2015, 8, 2777-2788.	10.4	124
4	Direct electrochemistry and reagentless biosensing of glucose oxidase immobilized on chitosan wrapped single-walled carbon nanotubes. <i>Talanta</i> , 2008, 76, 419-423.	5.5	88
5	Controllable Modification of the Electronic Structure of Carbon-Supported Core-Shell Cu@Pd Catalysts for Formic Acid Oxidation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12669-12675.	3.1	57
6	Structural transformation of carbon-supported Pt <sub>3</sub> Cr nanoparticles from a disordered to an ordered phase as a durable oxygen reduction electrocatalyst. <i>Nanoscale</i> , 2014, 6, 10686-10692.	5.6	56
7	Direct Electrochemistry and Bioelectrocatalysis of Microperoxidase-11 Immobilized on Chitosan-Graphene Nanocomposite. <i>Electroanalysis</i> , 2010, 22, 1323-1328.	2.9	52
8	A green, cheap, high-performance carbonaceous catalyst derived from <i>Chlorella pyrenoidosa</i> for oxygen reduction reaction in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 27657-27665.	7.1	45
9	Synthesis of hollow ellipsoidal silica nanostructures using a wet-chemical etching approach. <i>Journal of Colloid and Interface Science</i> , 2012, 375, 106-111.	9.4	36
10	An ordered structured cathode based on vertically aligned Pt nanotubes for ultra-low Pt loading passive direct methanol fuel cells. <i>Electrochimica Acta</i> , 2017, 252, 541-548.	5.2	24
11	Shape-controlled porous heterogeneous PtRu/C/Nafion microspheres enabling high performance direct methanol fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15177-15183.	10.3	19
12	Fabrication of nano-network structure anode by zinc oxide nanorods template for passive direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6647-6654.	7.1	16
13	High performance MWCNT-Pt nanocomposite-based cathode for passive direct methanol fuel cells. <i>RSC Advances</i> , 2017, 7, 12329-12335.	3.6	12
14	Controllable fabrication of ordered Pt nanorod array as catalytic electrode for passive direct methanol fuel cells. <i>Chinese Journal of Catalysis</i> , 2016, 37, 1089-1095.	14.0	11
15	Rapid, simple and low cost fabrication of a microfluidic direct methanol fuel cell based on polydimethylsiloxane. <i>Microsystem Technologies</i> , 2014, 20, 493-498.	2.0	9
16	Interconnected nanoparticle-stacked platinum-based nanosheets as active cathode electrocatalysts for passive direct methanol fuel cells. <i>Journal of Electroanalytical Chemistry</i> , 2018, 828, 50-58.	3.8	8