Jiao-xing Xu

List of Publications by Year
in descending order

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24	1,270	471509 17	642732 23
papers	citations	h-index	g-index

24	24	24	2849
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface-confinement assisted synthesis of nitrogen-rich single atom Feâ^'N/C electrocatalyst with dual nitrogen sources for enhanced oxygen reduction reaction. Nanotechnology, 2021, 32, 305402.	2.6	7
2	Ammonia Defective Etching and Nitrogen-Doping of Porous Carbon toward High Exposure of Heme-Derived Feâ€"N_x Site for Efficient Oxygen Reduction. ACS Sustainable Chemistry and Engineering, 2018, 6, 551-560.	6.7	29
3	Nest-like assembly of the doped single-walled carbon nanotubes with unique mesopores as ultrastable catalysts for high power density Zn-air battery. Carbon, 2018, 128, 46-53.	10.3	18
4	A visible and colorimetric aptasensor based on DNA-capped single-walled carbon nanotubes for detection of exosomes. Biosensors and Bioelectronics, 2017, 92, 8-15.	10.1	228
5	MnO₂ Nanofilms on Nitrogen-Doped Hollow Graphene Spheres as a High-Performance Electrocatalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2016, 8, 35264-35269.	8.0	76
6	Space-confinement-induced synthesis of hierarchically nanoporous carbon nanowires for the enhanced electrochemical reduction of oxygen. Journal of Materials Chemistry A, 2015, 3, 7093-7099.	10.3	20
7	Porous cobaltâ€"nitrogen-doped hollow graphene spheres as a superior electrocatalyst for enhanced oxygen reduction in both alkaline and acidic solutions. Journal of Materials Chemistry A, 2015, 3, 16419-16423.	10.3	29
8	Oxygen reduction electrocatalysts based on spatially confined cobalt monoxide nanocrystals on holey N-doped carbon nanowires: the enlarged interfacial area for performance improvement. Journal of Materials Chemistry A, 2015, 3, 21647-21654.	10.3	17
9	Strong-coupled Co-g-C₃N₄/SWCNTs composites as high-performance electrocatalysts for oxygen reduction reaction. RSC Advances, 2015, 5, 65303-65307.	3.6	18
10	A layered porous ZrO₂/RGO composite as sulfur host for lithiumâ€"sulfur batteries. RSC Advances, 2015, 5, 5102-5106.	3.6	44
11	Toward understanding the active site for oxygen reduction reaction on phosphorus-encapsulated single-walled carbon nanotubes. RSC Advances, 2013, 3, 5577.	3.6	23
12	Sulfur and Nitrogen Coâ€Doped, Fewâ€Layered Graphene Oxide as a Highly Efficient Electrocatalyst for the Oxygenâ€Reduction Reaction. ChemSusChem, 2013, 6, 493-499.	6.8	242
13	Sulfur- and Nitrogen-Doped, Ferrocene-Derived Mesoporous Carbons with Efficient Electrochemical Reduction of Oxygen. ACS Applied Materials & Interfaces, 2013, 5, 12594-12601.	8.0	81
14	Controlled Assembly of Ultrasmall Iron Oxide Nanoparticles on Carbon Nanotubes: Facile Preparation and Interfacially Induced Ferromagnetism. Chemistry Letters, 2012, 41, 227-228.	1.3	2
15	Highly dispersive Pt atoms on the surface of RuNi nanoparticles with remarkably enhanced catalytic performance for ethanol oxidation. Energy and Environmental Science, 2011, 4, 4513.	30.8	44
16	Synthesis and enhanced photocatalytic activity of tin oxide nanoparticles coated on multi-walled carbon nanotube. Materials Research Bulletin, 2011, 46, 1372-1376.	5.2	54
17	Insights into the roles of organic coating in tuning the defect chemistry of monodisperse TiO2 nanocrystals for tailored properties. Physical Chemistry Chemical Physics, 2010, 12, 10857.	2.8	31
18	The effect of the catalyst metals on the thermal-oxidative stability of single-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1591-1595.	2.7	7

#	Article	IF	Citations
19	Diameter-Selective Band Structure Modification of Single-Walled Carbon Nanotubes by Encapsulated Phosphorus Chains. Journal of Physical Chemistry C, 2009, 113, 15099-15101.	3.1	9
20	Synthesis and photoluminescence of well-dispersible anatase TiO2 nanoparticles. Journal of Colloid and Interface Science, 2008, 318, 29-34.	9.4	102
21	CeO2 nanocrystals: Seed-mediated synthesis and size control. Materials Research Bulletin, 2008, 43, 990-995.	5.2	66
22	Nature of Catalytic Activities of CoO Nanocrystals in Thermal Decomposition of Ammonium Perchlorate. Inorganic Chemistry, 2008, 47, 8839-8846.	4.0	112
23	A Facile Approach to Well-Dispersible CeO₂Nanoparticles. Journal of Dispersion Science and Technology, 2008, 29, 1072-1076.	2.4	7
24	O-MWCNT/PAN/PVDF ultrafiltration membranes with boosted properties for oil and water separation. , 0, 224, 122-135.		4