

Jiao-xing Xu

List of Publications by Year in descending order

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24
papers

1,270
citations

471509

17
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

2849
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfur and Nitrogen Co-doped, Few-layered Graphene Oxide as a Highly Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2013, 6, 493-499.	6.8	242
2	A visible and colorimetric aptasensor based on DNA-capped single-walled carbon nanotubes for detection of exosomes. <i>Biosensors and Bioelectronics</i> , 2017, 92, 8-15.	10.1	228
3	Nature of Catalytic Activities of CoO Nanocrystals in Thermal Decomposition of Ammonium Perchlorate. <i>Inorganic Chemistry</i> , 2008, 47, 8839-8846.	4.0	112
4	Synthesis and photoluminescence of well-dispersible anatase TiO ₂ nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 29-34.	9.4	102
5	Sulfur- and Nitrogen-Doped, Ferrocene-Derived Mesoporous Carbons with Efficient Electrochemical Reduction of Oxygen. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12594-12601.	8.0	81
6	MnO ₂ Nanofilms on Nitrogen-Doped Hollow Graphene Spheres as a High-Performance Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35264-35269.	8.0	76
7	CeO ₂ nanocrystals: Seed-mediated synthesis and size control. <i>Materials Research Bulletin</i> , 2008, 43, 990-995.	5.2	66
8	Synthesis and enhanced photocatalytic activity of tin oxide nanoparticles coated on multi-walled carbon nanotube. <i>Materials Research Bulletin</i> , 2011, 46, 1372-1376.	5.2	54
9	Highly dispersive Pt atoms on the surface of RuNi nanoparticles with remarkably enhanced catalytic performance for ethanol oxidation. <i>Energy and Environmental Science</i> , 2011, 4, 4513.	30.8	44
10	A layered porous ZrO ₂ /RGO composite as sulfur host for lithium-sulfur batteries. <i>RSC Advances</i> , 2015, 5, 5102-5106.	3.6	44
11	Insights into the roles of organic coating in tuning the defect chemistry of monodisperse TiO ₂ nanocrystals for tailored properties. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10857.	2.8	31
12	Porous cobalt-nitrogen-doped hollow graphene spheres as a superior electrocatalyst for enhanced oxygen reduction in both alkaline and acidic solutions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16419-16423.	10.3	29
13	Ammonia Defective Etching and Nitrogen-Doping of Porous Carbon toward High Exposure of Heme-Derived Fe-N Site for Efficient Oxygen Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 551-560.	6.7	29
14	Toward understanding the active site for oxygen reduction reaction on phosphorus-encapsulated single-walled carbon nanotubes. <i>RSC Advances</i> , 2013, 3, 5577.	3.6	23
15	Space-confinement-induced synthesis of hierarchically nanoporous carbon nanowires for the enhanced electrochemical reduction of oxygen. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7093-7099.	10.3	20
16	Strong-coupled Co-g-C ₃ N ₄ /SWCNTs composites as high-performance electrocatalysts for oxygen reduction reaction. <i>RSC Advances</i> , 2015, 5, 65303-65307.	3.6	18
17	Nest-like assembly of the doped single-walled carbon nanotubes with unique mesopores as ultrastable catalysts for high power density Zn-air battery. <i>Carbon</i> , 2018, 128, 46-53.	10.3	18
18	Oxygen reduction electrocatalysts based on spatially confined cobalt monoxide nanocrystals on holey N-doped carbon nanowires: the enlarged interfacial area for performance improvement. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21647-21654.	10.3	17

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19	Diameter-Selective Band Structure Modification of Single-Walled Carbon Nanotubes by Encapsulated Phosphorus Chains. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15099-15101.	3.1	9
20	A Facile Approach to Well-Dispersible CeO ₂ Nanoparticles. <i>Journal of Dispersion Science and Technology</i> , 2008, 29, 1072-1076.	2.4	7
21	The effect of the catalyst metals on the thermal-oxidative stability of single-walled carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1591-1595.	2.7	7
22	Surface-confinement assisted synthesis of nitrogen-rich single atom Fe ^N /C electrocatalyst with dual nitrogen sources for enhanced oxygen reduction reaction. <i>Nanotechnology</i> , 2021, 32, 305402.	2.6	7
23	O-MWCNT/PAN/PVDF ultrafiltration membranes with boosted properties for oil and water separation. <i>Journal of Membrane Science</i> , 2024, 484, 122-135.		4
24	Controlled Assembly of Ultrasmall Iron Oxide Nanoparticles on Carbon Nanotubes: Facile Preparation and Interfacially Induced Ferromagnetism. <i>Chemistry Letters</i> , 2012, 41, 227-228.	1.3	2