

# Xiqing Wang

## List of Publications by Year in descending order

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44  
papers

5,586  
citations

117453

34  
h-index

233125

45  
g-index

49  
all docs

49  
docs citations

49  
times ranked

8217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile Ionothermal Synthesis of Microporous and Mesoporous Carbons from Task Specific Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2009, 131, 4596-4597.	6.6	404
2	Soft-templated Mesoporous Carbon-Carbon Nanotube Composites for High Performance Lithium-Ion Batteries. <i>Advanced Materials</i> , 2011, 23, 4661-4666.	11.1	352
3	Ammonia-Treated Ordered Mesoporous Carbons as Catalytic Materials for Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2010, 22, 2178-2180.	3.2	344
4	Fluidic Carbon Precursors for Formation of Functional Carbon under Ambient Pressure Based on Ionic Liquids. <i>Advanced Materials</i> , 2010, 22, 1004-1007.	11.1	316
5	Nitrogen-doped mesoporous carbon for energy storage in vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2010, 195, 4375-4379.	4.0	306
6	Direct exfoliation of natural graphite into micrometre size few layers graphene sheets using ionic liquids. <i>Chemical Communications</i> , 2010, 46, 4487.	2.2	295
7	Highly Active, Nonprecious Metal Perovskite Electrocatalysts for Bifunctional Metal-Air Battery Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1254-1259.	2.1	294
8	Facile Synthesis of Ordered Mesoporous Carbons with High Thermal Stability by Self-Assembly of Resorcinol-Formaldehyde and Block Copolymers under Highly Acidic Conditions. <i>Langmuir</i> , 2008, 24, 7500-7505.	1.6	291
9	Reviving rechargeable lithium metal batteries: enabling next-generation high-energy and high-power cells. <i>Energy and Environmental Science</i> , 2012, 5, 5701-5707.	15.6	273
10	Sulfonated Ordered Mesoporous Carbon as a Stable and Highly Active Protonic Acid Catalyst. <i>Chemistry of Materials</i> , 2007, 19, 2395-2397.	3.2	249
11	Tuning the Electrocatalytic Activity of Perovskites through Active Site Variation and Support Interactions. <i>Chemistry of Materials</i> , 2014, 26, 3368-3376.	3.2	229
12	Sulfonated ordered mesoporous carbon for catalytic preparation of biodiesel. <i>Carbon</i> , 2008, 46, 1664-1669.	5.4	213
13	Lithium-Sulfur Batteries Based on Nitrogen-Doped Carbon and an Ionic-Liquid Electrolyte. <i>ChemSusChem</i> , 2012, 5, 2079-2085.	3.6	187
14	Ionic Liquids as Versatile Precursors for Functionalized Porous Carbon and Carbon-Oxide Composite Materials by Confined Carbonization. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6664-6668.	7.2	150
15	Preparation of activated mesoporous carbons for electrosorption of ions from aqueous solutions. <i>Journal of Materials Chemistry</i> , 2010, 20, 4602.	6.7	121
16	Nitrogen-enriched ordered mesoporous carbons through direct pyrolysis in ammonia with enhanced capacitive performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7920.	5.2	120
17	Highly Stable and Active Pt-Cu Oxygen Reduction Electrocatalysts Based on Mesoporous Graphitic Carbon Supports. <i>Chemistry of Materials</i> , 2009, 21, 4515-4526.	3.2	109
18	Boron and nitrogen-rich carbons from ionic liquid precursors with tailorable surface properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13486.	1.3	98

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19	“Brick-and-Mortar” Self-Assembly Approach to Graphitic Mesoporous Carbon Nanocomposites. <i>Advanced Functional Materials</i> , 2011, 21, 2208-2215.	7.8	98
20	High pseudocapacitance of MnO <sub>2</sub> nanoparticles in graphitic disordered mesoporous carbon at high scan rates. <i>Journal of Materials Chemistry</i> , 2012, 22, 3160.	6.7	85
21	Noncovalently functionalized graphitic mesoporous carbon as a stable support of Pt nanoparticles for oxygen reduction. <i>Journal of Power Sources</i> , 2010, 195, 1805-1811.	4.0	78
22	Hybrid MnO <sub>2</sub> “disordered mesoporous carbon nanocomposites: synthesis and characterization as electrochemical pseudocapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2010, 20, 390-398.	6.7	78
23	Fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. <i>Europhysics Letters</i> , 2012, 97, 66004.	0.7	75
24	Facile Preparation of Hierarchically Porous Carbon Monoliths with Well-Ordered Mesostructures. <i>Chemistry of Materials</i> , 2006, 18, 6373-6381.	3.2	68
25	Synthetic Control of Selenide Supertetrahedral Clusters and Three-Dimensional Co-assembly by Charge-Complementary Metal Cations. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7204-7207.	7.2	68
26	Three-Dimensional Frameworks of Gallium Selenide Supertetrahedral Clusters. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1502-1505.	7.2	65
27	Ammonia-activated mesoporous carbon membranes for gas separations. <i>Journal of Membrane Science</i> , 2011, 368, 41-47.	4.1	63
28	Protein Refolding Assisted by Periodic Mesoporous Organosilicas. <i>Langmuir</i> , 2007, 23, 5735-5739.	1.6	55
29	Controlled synthesis of mesoporous carbon modified by tungsten carbides as an improved electrocatalyst support for the oxygen reduction reaction. <i>Journal of Power Sources</i> , 2009, 193, 495-500.	4.0	54
30	A simple method to ordered mesoporous carbons containing nickel nanoparticles. <i>Adsorption</i> , 2009, 15, 138-144.	1.4	48
31	Preparation of free-standing high quality mesoporous carbon membranes. <i>Carbon</i> , 2010, 48, 557-560.	5.4	46
32	An unusual slowdown of fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. <i>Europhysics Letters</i> , 2013, 102, 16004.	0.7	40
33	Distribution of 1-Butyl-3-methylimidazolium Bistrifluoromethylsulfonimide in Mesoporous Silica As a Function of Pore Filling. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15754-15762.	1.5	37
34	Graphitic mesoporous carbon as a support of promoted Rh catalysts for hydrogenation of carbon monoxide to ethanol. <i>Carbon</i> , 2012, 50, 1574-1582.	5.4	36
35	Surface Modification of Ordered Mesoporous Carbons via 1,3-Dipolar Cycloaddition of Azomethine Ylides. <i>Chemistry of Materials</i> , 2008, 20, 4800-4802.	3.2	32
36	Molecular-Sieving Capabilities of Mesoporous Carbon Membranes. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8563-8570.	1.2	28

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37	Graphitic mesoporous carbon-supported molybdenum carbides for catalytic hydrogenation of carbon monoxide to mixed alcohols. <i>Microporous and Mesoporous Materials</i> , 2013, 170, 141-149.	2.2	24
38	Characterizing Stability Properties of Supported Bilayer Membranes on Nanoglassified Substrates Using Surface Plasmon Resonance. <i>Langmuir</i> , 2008, 24, 8127-8133.	1.6	23
39	Fluorination of "brick and mortar"-soft-templated graphitic ordered mesoporous carbons for high power lithium-ion battery. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9414.	5.2	23
40	"One-pot" synthesis of phosphorylated mesoporous carbon heterogeneous catalysts with tailored surface acidity. <i>Catalysis Today</i> , 2012, 186, 12-19.	2.2	22
41	Electrochemical Control of Ion Transport through a Mesoporous Carbon Membrane. <i>Langmuir</i> , 2014, 30, 3606-3611.	1.6	21
42	Fractional Characteristics of Coal Fly Ash for Beneficial Use. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 63-69.	1.3	12
43	Three-Dimensional Frameworks of Gallium Selenide Supertetrahedral Clusters.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
44	Rhodium Nanoparticles Confined in Ordered Mesoporous Carbon: Microscopic Characterization and Catalytic Application for Synthesis Gas Conversion to Ethanol. <i>ACS Symposium Series</i> , 2013, , 231-243.	0.5	0