# 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 | Electrochemical Control of Ion Transport through a Mesoporous Carbon Membrane. Langmuir, 2014, 30, 3606-3611. | 1.6 | 21 |
| 2 | Tuning the Electrocatalytic Activity of Perovskites through Active Site Variation and Support Interactions. Chemistry of Materials, 2014, 26, 3368-3376. | 3.2 | 229 |
| 3 | Distribution of 1-Butyl-3-methylimidazolium Bistrifluoromethylsulfonimide in Mesoporous Silica As a Function of Pore Filling. Journal of Physical Chemistry C, 2013, 117, 15754-15762. | 1.5 | 37 |
| 4 | Fluorination of â€œbrick and mortarâ€•soft-templated graphitic ordered mesoporous carbons for high power lithium-ion battery. Journal of Materials Chemistry A, 2013, 1, 9414. | 5.2 | 23 |
| 5 | Graphitic mesoporous carbon-supported molybdenum carbides for catalytic hydrogenation of carbon monoxide to mixed alcohols. Microporous and Mesoporous Materials, 2013, 170, 141-149. | 2.2 | 24 |
| 6 | Nitrogen-enriched ordered mesoporous carbons through direct pyrolysis in ammonia with enhanced capacitive performance. Journal of Materials Chemistry A, 2013, 1, 7920. | 5.2 | 120 |
| 7 | Highly Active, Nonprecious Metal Perovskite Electrocatalysts for Bifunctional Metalâ€“Air Battery Electrodes. Journal of Physical Chemistry Letters, 2013, 4, 1254-1259. | 2.1 | 294 |
| 8 | Rhodium Nanoparticles Confined in Ordered Mesoporous Carbon: Microscopic Characterization and Catalytic Application for Synthesis Gas Conversion to Ethanol. ACS Symposium Series, 2013, , 231-243. | 0.5 | 0 |
| 9 | Fractional Characteristics of Coal Fly Ash for Beneficial Use. Journal of Materials in Civil Engineering, 2013, 25, 63-69. | 1.3 | 12 |
| 10 | An unusual slowdown of fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. Europhysics Letters, 2013, 102, 16004. | 0.7 | 40 |
| 11 | Reviving rechargeable lithium metal batteries: enabling next-generation high-energy and high-power cells. Energy and Environmental Science, 2012, 5, 5701-5707. | 15.6 | 273 |
| 12 | Lithiumâ€“Sulfur Batteries Based on Nitrogenâ€Doped Carbon and an Ionicâ€Liquid Electrolyte. ChemSusChem, 2012, 5, 2079-2085. | 3.6 | 187 |
| 13 | Fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. Europhysics Letters, 2012, 97, 66004. | 0.7 | 75 |
| 14 | High pseudocapacitance of MnO2 nanoparticles in graphitic disordered mesoporous carbon at high scan rates. Journal of Materials Chemistry, 2012, 22, 3160. | 6.7 | 85 |
| 15 | Graphitic mesoporous carbon as a support of promoted Rh catalysts for hydrogenation of carbon monoxide to ethanol. Carbon, 2012, 50, 1574-1582. | 5.4 | 36 |
| 16 | â€œOne-potâ€•synthesis of phosphorylated mesoporous carbon heterogeneous catalysts with tailored surface acidity. Catalysis Today, 2012, 186, 12-19. | 2.2 | 22 |
| 17 | Boron and nitrogen-rich carbons from ionic liquid precursors with tailorable surface properties. Physical Chemistry Chemical Physics, 2011, 13, 13486. | 1.3 | 98 |
| 18 | â€œBrickâ€andâ€Mortarâ€•Selfâ€Assembly Approach to Graphitic Mesoporous Carbon Nanocomposites. Advanced Functional Materials, 2011, 21, 2208-2215. | 7.8 | 98 |

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|---|---|---|---|
| 19 | Softâ€Templated Mesoporous Carbonâ€Carbon Nanotube Composites for High Performance Lithiumâ€Ion Batteries. Advanced Materials, 2011, 23, 4661-4666. | 11.1 | 352 |
| 20 | Ammonia-activated mesoporous carbon membranes for gas separations. Journal of Membrane Science, 2011, 368, 41-47. | 4.1 | 63 |
| 21 | Ammonia-Treated Ordered Mesoporous Carbons as Catalytic Materials for Oxygen Reduction Reaction. Chemistry of Materials, 2010, 22, 2178-2180. | 3.2 | 344 |
| 22 | Nitrogen-doped mesoporous carbon for energy storage in vanadium redox flow batteries. Journal of Power Sources, 2010, 195, 4375-4379. | 4.0 | 306 |
| 23 | Fluidic Carbon Precursors for Formation of Functional Carbon under Ambient Pressure Based on Ionic Liquids. Advanced Materials, 2010, 22, 1004-1007. | 11.1 | 316 |
| 24 | Ionic Liquids as Versatile Precursors for Functionalized Porous Carbon and Carbonâ€“Oxide Composite Materials by Confined Carbonization. Angewandte Chemie - International Edition, 2010, 49, 6664-6668. | 7.2 | 150 |
| 25 | Noncovalently functionalized graphitic mesoporous carbon as a stable support of Pt nanoparticles for oxygen reduction. Journal of Power Sources, 2010, 195, 1805-1811. | 4.0 | 78 |
| 26 | Preparation of free-standing high quality mesoporous carbon membranes. Carbon, 2010, 48, 557-560. | 5.4 | 46 |
| 27 | Direct exfoliation of natural graphite into micrometre size few layers graphene sheets using ionic liquids. Chemical Communications, 2010, 46, 4487. | 2.2 | 295 |
| 28 | Preparation of activated mesoporous carbons for electrosorption of ions from aqueous solutions. Journal of Materials Chemistry, 2010, 20, 4602. | 6.7 | 121 |
| 29 | Hybrid MnO<sub>2</sub>â€“disordered mesoporous carbon nanocomposites: synthesis and characterization as electrochemical pseudocapacitor electrodes. Journal of Materials Chemistry, 2010, 20, 390-398. | 6.7 | 78 |
| 30 | Synthetic Control of Selenide Supertetrahedral Clusters and Threeâ€Dimensional Coâ€assembly by Chargeâ€Complementary Metal Cations. Angewandte Chemie - International Edition, 2009, 48, 7204-7207. | 7.2 | 68 |
| 31 | A simple method to ordered mesoporous carbons containing nickel nanoparticles. Adsorption, 2009, 15, 138-144. | 1.4 | 48 |
| 32 | Controlled synthesis of mesoporous carbon modified by tungsten carbides as an improved electrocatalyst support for the oxygen reduction reaction. Journal of Power Sources, 2009, 193, 495-500. | 4.0 | 54 |
| 33 | Facile Ionothermal Synthesis of Microporous and Mesoporous Carbons from Task Specific Ionic Liquids. Journal of the American Chemical Society, 2009, 131, 4596-4597. | 6.6 | 404 |
| 34 | Highly Stable and Active Ptâ^'Cu Oxygen Reduction Electrocatalysts Based on Mesoporous Graphitic Carbon Supports. Chemistry of Materials, 2009, 21, 4515-4526. | 3.2 | 109 |
| 35 | Sulfonated ordered mesoporous carbon for catalytic preparation of biodiesel. Carbon, 2008, 46, 1664-1669. | 5.4 | 213 |
| 36 | Facile Synthesis of Ordered Mesoporous Carbons with High Thermal Stability by Self-Assembly of Resorcinolâ^'Formaldehyde and Block Copolymers under Highly Acidic Conditions. Langmuir, 2008, 24, 7500-7505. | 1.6 | 291 |

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|---|---|---|---|
| 37 | Molecular-Sieving Capabilities of Mesoporous Carbon Membranes. Journal of Physical Chemistry B, 2008, 112, 8563-8570. | 1.2 | 28 |
| 38 | Surface Modification of Ordered Mesoporous Carbons via 1,3-Dipolar Cycloaddition of Azomethine Ylides. Chemistry of Materials, 2008, 20, 4800-4802. | 3.2 | 32 |
| 39 | Characterizing Stability Properties of Supported Bilayer Membranes on Nanoglassified Substrates Using Surface Plasmon Resonance. Langmuir, 2008, 24, 8127-8133. | 1.6 | 23 |
| 40 | Protein Refolding Assisted by Periodic Mesoporous Organosilicas. Langmuir, 2007, 23, 5735-5739. | 1.6 | 55 |
| 41 | Sulfonated Ordered Mesoporous Carbon as a Stable and Highly Active Protonic Acid Catalyst. Chemistry of Materials, 2007, 19, 2395-2397. | 3.2 | 249 |
| 42 | Facile Preparation of Hierarchically Porous Carbon Monoliths with Well-Ordered Mesostructures. Chemistry of Materials, 2006, 18, 6373-6381. | 3.2 | 68 |
| 43 | Three-Dimensional Frameworks of Gallium Selenide Supertetrahedral Clusters. Angewandte Chemie - International Edition, 2004, 43, 1502-1505. | 7.2 | 65 |
| 44 | Three-Dimensional Frameworks of Gallium Selenide Supertetrahedral Clusters.. ChemInform, 2004, 35, no. | 0.1 | 0 |