

# Xiaomei Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

535  
citations

623188

14  
h-index

676716

22  
g-index

31  
all docs

31  
docs citations

31  
times ranked

598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bamboo-like SiO <sub>2</sub> /C nanotubes with carbon coating as a durable and high-performance anode for lithium-ion battery. <i>Chemical Engineering Journal</i> , 2022, 428, 131060.	6.6	20
2	A novel flexible and fluoride-free superhydrophobic thermal energy storage coating for photothermal energy conversion. <i>Composites Part B: Engineering</i> , 2022, 232, 109588.	5.9	17
3	Bi-Functional Paraffin@Polyaniline/TiO <sub>2</sub> /PCN-222(Fe) Microcapsules for Solar Thermal Energy Storage and CO <sub>2</sub> Photoreduction. <i>Nanomaterials</i> , 2022, 12, 2.	1.9	8
4	Hierarchically Ordered Porous Solid Acid: Preparation and Application as a Biodiesel Catalyst. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
5	A hierarchically ordered porous nitrogen-doped carbon catalyst with densely accessible Co-N active sites for efficient oxygen reduction reaction. <i>Microporous and Mesoporous Materials</i> , 2021, 317, 111002.	2.2	12
6	In Situ Growth of ZIF-8 Nanocrystals on the Pore Walls of 3D Ordered Macroporous TiO <sub>2</sub> for a One-Pot Cascade Reaction. <i>Catalysts</i> , 2021, 11, 533.	1.6	6
7	Large-Scale Fabrication of Form-Stable Phase Change Nanotube Composite for Photothermal/Electrothermal Energy Conversion and Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 29965-29974.	4.0	40
8	Double-shell microcapsules with spatially arranged Au nanoparticles and single Zn atoms for tandem synthesis of cyclic carbonates. <i>Nanoscale</i> , 2021, 13, 18695-18701.	2.8	12
9	Double-walled hierarchical porous silica nanotubes loaded Au nanoparticles in the interlayer as a high-performance catalyst. <i>Nanotechnology</i> , 2020, 31, 015701.	1.3	10
10	An integrated and robust yolk-shell nanoreactor based on wrinkly silica microspheres loaded with Au nanoparticles and nested in a silica inverse opal. <i>Journal of Materials Science</i> , 2020, 55, 2006-2017.	1.7	4
11	Design and Synthesis of Microencapsulated Phase-Change Materials with a Poly(divinylbenzene)/Dioxide Titanium Hybrid Shell for Energy Storage and Formaldehyde Photodegradation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20806-20815.	1.5	12
12	Core-shell structured SiO <sub>2</sub> @C with controllable mesopores as anode materials for lithium-ion batteries. <i>Microporous and Mesoporous Materials</i> , 2020, 307, 110480.	2.2	27
13	Large-Scale Fabrication of a Robust Superhydrophobic Thermal Energy Storage Sprayable Coating Based on Polymer Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 49694-49704.	4.0	45
14	Polystyrene-Based Hierarchically Macro-mesoporous Solid Acid: A Robust and Highly Efficient Catalyst for Indirect Hydration of Cyclohexene to Cyclohexanol by a One-Pot Method under Mild Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 6435-6444.	1.8	10
15	Controllable Preparation of Monodisperse Mesoporous Silica from Microspheres to Microcapsules and Catalytic Loading of Au Nanoparticles. <i>Langmuir</i> , 2020, 36, 5271-5279.	1.6	14
16	Synthesis of 3D-Ordered Macro/Microporous Yolk-Shell Nanoreactor with Spatially Separated Functionalities for Cascade Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 33978-33986.	4.0	33
17	Preparation of inverse opal adsorbent by water-soluble colloidal crystal template to obtain ultrahigh adsorption capacity for salicylic acid removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2019, 371, 362-369.	6.5	14
18	Integration of yolk-shell units into a robust and highly reactive nanoreactor: a platform for cascade reactions. <i>Chemical Communications</i> , 2019, 55, 3093-3096.	2.2	13

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19	Preparation of Superhydrophilic Adsorbents with 3DOM Structure by Water-Soluble Colloidal Crystal Templates for Boron Removal from Natural Seawater. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 36918-36925.	4.0	16
20	Amino-modified hierarchically macro-mesoporous cross-linked polystyrene: A novel adsorbent for removal of salicylic acid from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 88, 186-192.	2.7	7
21	Silica-based hierarchical porous Janus microcapsules: construction and support of Au nano-particle catalyst inside. <i>Chemical Communications</i> , 2017, 53, 8054-8057.	2.2	37
22	Hierarchical Porous Interlocked Polymeric Microcapsules: Sulfonic Acid Functionalization as Acid Catalysts. <i>Scientific Reports</i> , 2017, 7, 44178.	1.6	8
23	Enzyme-containing silica inverse opals prepared by using water-soluble colloidal crystal templates: Characterization and application. <i>Biochemical Engineering Journal</i> , 2016, 112, 123-129.	1.8	12
24	A novel polar-modified post-cross-linked resin and its enhanced adsorption to salicylic acid: Equilibrium, kinetics and breakthrough studies. <i>Journal of Colloid and Interface Science</i> , 2016, 470, 1-9.	5.0	29
25	Construction of Grape-like Silica-Based Hierarchical Porous Interlocked Microcapsules by Colloidal Crystals Templates. <i>Langmuir</i> , 2015, 31, 12530-12536.	1.6	15
26	Cationic polymer chain tethered on the pore-wall of 3-D ordered macroporous resin for the removal of hexavalent chromium from aqueous solution. <i>Reactive and Functional Polymers</i> , 2015, 95, 55-61.	2.0	8
27	Quaternized Three-Dimensionally Ordered Macroporous Cross-Linked Polystyrene and its Adsorption Character toward Salicylic Acid in Aqueous Solution. <i>Separation Science and Technology</i> , 2014, 49, 2586-2594.	1.3	6
28	Synthesis, characterization and adsorption properties of an amide-modified hyper-cross-linked resin. <i>RSC Advances</i> , 2014, 4, 41172-41178.	1.7	13
29	Robust hybrid raspberry-like hollow particles with complex structures: a facile method of swelling polymerization towards composite spheres. <i>Soft Matter</i> , 2014, 10, 873-881.	1.2	17
30	A novel post-cross-linked polystyrene/polyacryldiethylenetriamine (PST_pc/PADETA) interpenetrating polymer networks (IPNs) and its adsorption towards salicylic acid from aqueous solutions. <i>Chemical Engineering Journal</i> , 2014, 248, 216-222.	6.6	34
31	Enhanced adsorption capacity and selectivity towards salicylic acid in water by a cationic polymer functionalized 3-D ordered macroporous adsorbent. <i>Soft Matter</i> , 2013, 9, 6159.	1.2	34