

Kevin C-W Wu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

243
papers

17,770
citations

68
h-index

129
g-index

268
ext. papers

20,133
ext. citations

7.1
avg, IF

7.25
L-index

#	Paper	IF	Citations
243	Mesoporous silica nanoparticles as controlled release drug delivery and gene transfection carriers. <i>Advanced Drug Delivery Reviews</i> , 2008 , 60, 1278-1288	18.5	2110
242	Hierarchically porous carbon derived from polymers and biomass: effect of interconnected pores on energy applications. <i>Energy and Environmental Science</i> , 2014 , 7, 3574-3592	35.4	1021
241	Layer-by-layer Nanoarchitectonics: Invention, Innovation, and Evolution. <i>Chemistry Letters</i> , 2014 , 43, 36-68	1.7	761
240	Nanoarchitected Design of Porous Materials and Nanocomposites from Metal-Organic Frameworks. <i>Advanced Materials</i> , 2017 , 29, 1604898	24	597
239	Nanoporous carbons through direct carbonization of a zeolitic imidazolate framework for supercapacitor electrodes. <i>Chemical Communications</i> , 2012 , 48, 7259-61	5.8	559
238	Imparting functionality to biocatalysts via embedding enzymes into nanoporous materials by a de novo approach: size-selective sheltering of catalase in metal-organic framework microcrystals. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4276-9	16.4	558
237	Templated Synthesis for Nanoarchitected Porous Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 1171-1200	5.1	479
236	Mesoporous silica nanoparticles for reducing hemolytic activity towards mammalian red blood cells. <i>Small</i> , 2009 , 5, 57-62	11	413
235	Nanoarchitectures for Mesoporous Metals. <i>Advanced Materials</i> , 2016 , 28, 993-1010	24	297
234	Strategies for Improving the Functionality of Zeolitic Imidazolate Frameworks: Tailoring Nanoarchitectures for Functional Applications. <i>Advanced Materials</i> , 2017 , 29, 1700213	24	270
233	Metal-organic framework (MOF)-derived catalysts for fine chemical production. <i>Coordination Chemistry Reviews</i> , 2020 , 416, 213319	23.2	242
232	Electrochemical Deposition: An Advanced Approach for Templated Synthesis of Nanoporous Metal Architectures. <i>Accounts of Chemical Research</i> , 2018 , 51, 1764-1773	24.3	218
231	Metal-Organic Framework (MOF)-Derived Effective Solid Catalysts for Valorization of Lignocellulosic Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13628-13643	8.3	216
230	3D network of cellulose-based energy storage devices and related emerging applications. <i>Materials Horizons</i> , 2017 , 4, 522-545	14.4	208
229	Shielding against Unfolding by Embedding Enzymes in Metal-Organic Frameworks via a de Novo Approach. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6530-6533	16.4	208
228	Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2894-2898	16.4	188
227	Harnessing MOF materials in photovoltaic devices: recent advances, challenges, and perspectives. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 17079-17095	13	182

226	Controlling physical features of mesoporous silica nanoparticles (MSNs) for emerging applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1251-1256		175
225	Recent progress in mesoporous titania materials: adjusting morphology for innovative applications. <i>Science and Technology of Advanced Materials</i> , 2012 , 13, 013003	7.1	166
224	Engineering a homogeneous alloy-oxide interface derived from metal-organic frameworks for selective oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid. <i>Applied Catalysis B: Environmental</i> , 2020 , 270, 118805	21.8	164
223	Large-scale synthesis of reduced graphene oxides with uniformly coated polyaniline for supercapacitor applications. <i>ChemSusChem</i> , 2014 , 7, 1551-6	8.3	156
222	Nanoarchitected Structure and Surface Biofunctionality of Mesoporous Silica Nanoparticles. <i>Advanced Materials</i> , 2020 , 32, e1907035	24	153
221	Platinum-free counter electrode comprised of metal-organic-framework (MOF)-derived cobalt sulfide nanoparticles for efficient dye-sensitized solar cells (DSSCs). <i>Scientific Reports</i> , 2014 , 4, 6983	4.9	151
220	From Pd(OAc) to Chiral Catalysts: The Discovery and Development of Bifunctional Mono-N-Protected Amino Acid Ligands for Diverse C-H Functionalization Reactions. <i>Accounts of Chemical Research</i> , 2020 , 53, 833-851	24.3	149
219	MOF-derived Nanoporous Carbon as Intracellular Drug Delivery Carriers. <i>Chemistry Letters</i> , 2014 , 43, 717-719	1.7	149
218	Mesoporous metallic cells: design of uniformly sized hollow mesoporous Pt-Ru particles with tunable shell thicknesses. <i>Small</i> , 2013 , 9, 1047-51	11	146
217	Highly biocompatible, hollow coordination polymer nanoparticles as cisplatin carriers for efficient intracellular drug delivery. <i>Chemical Communications</i> , 2012 , 48, 5151-3	5.8	140
216	Evaporation-induced coating of hydrous ruthenium oxide on mesoporous silica nanoparticles to develop high-performance supercapacitors. <i>Small</i> , 2013 , 9, 2520-6	11	138
215	Controlling Particle Size and Structural Properties of Mesoporous Silica Nanoparticles Using the Taguchi Method. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 13158-13165	3.8	134
214	Polymeric micelle assembly for preparation of large-sized mesoporous metal oxides with various compositions. <i>Langmuir</i> , 2014 , 30, 651-9	4	132
213	Hollow mesoporous hydroxyapatite nanoparticles (hmHANPs) with enhanced drug loading and pH-responsive release properties for intracellular drug delivery. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2447-2450	7.3	130
212	Formation of highly ordered mesoporous titania films consisting of crystalline nanopillars with inverse mesospace by structural transformation. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4544-5	16.4	129
211	Biocompatible, surface functionalized mesoporous titania nanoparticles for intracellular imaging and anticancer drug delivery. <i>Chemical Communications</i> , 2011 , 47, 5232-4	5.8	127
210	Cellulase immobilized mesoporous silica nanocatalysts for efficient cellulose-to-glucose conversion. <i>Green Chemistry</i> , 2011 , 13, 2844	10	123
209	Water-based synthesis of zeolitic imidazolate framework-90 (ZIF-90) with a controllable particle size. <i>Chemistry - A European Journal</i> , 2013 , 19, 11139-42	4.8	122

208	Block copolymer assisted synthesis of porous $\text{Ni}(\text{OH})_2$ microflowers with high surface areas as electrochemical pseudocapacitor materials. <i>Chemical Communications</i> , 2012 , 48, 9150-2	5.8	119
207	Development of Sulfonic-Acid-Functionalized Mesoporous Materials: Synthesis and Catalytic Applications. <i>Chemistry - A European Journal</i> , 2019 , 25, 1614-1635	4.8	117
206	Size- and shape-controlled synthesis of Prussian Blue nanoparticles by a polyvinylpyrrolidone-assisted crystallization process. <i>CrystEngComm</i> , 2012 , 14, 3387	3.3	115
205	Advances in lignin valorization towards bio-based chemicals and fuels: Lignin biorefinery. <i>Bioresource Technology</i> , 2019 , 291, 121878	11	113
204	Acid-Base bi-functionalized, large-pored mesoporous silica nanoparticles for cooperative catalysis of one-pot cellulose-to-HMF conversion. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23181		112
203	Cellulose-to-HMF conversion using crystalline mesoporous titania and zirconia nanocatalysts in ionic liquid systems. <i>RSC Advances</i> , 2013 , 3, 2028-2034	3.7	109
202	New trend on mesoporous films: precise controls of one-dimensional (1D) mesochannels toward innovative applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8934		108
201	Structural study of highly ordered mesoporous silica thin films and replicated Pt nanowires by high-resolution scanning electron microscopy (HRSEM). <i>Journal of Materials Chemistry</i> , 2006 , 16, 3091		106
200	Enhancing Efficiency and Stability of Photovoltaic Cells by Using Perovskite/Zr-MOF Heterojunction Including Bilayer and Hybrid Structures. <i>Advanced Science</i> , 2019 , 6, 1801715	13.6	104
199	Conversion and kinetics study of fructose-to-5-hydroxymethylfurfural (HMF) using sulfonic and ionic liquid groups bi-functionalized mesoporous silica nanoparticles as recyclable solid catalysts in DMSO systems. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 13914-7	3.6	103
198	A metal-free, high nitrogen-doped nanoporous graphitic carbon catalyst for an effective aerobic HMF-to-FDCA conversion. <i>Green Chemistry</i> , 2016 , 18, 5957-5961	10	101
197	A Drying-Free, Water-Based Process for Fabricating Mixed-Matrix Membranes with Outstanding Pervaporation Performance. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12793-6	16.4	99
196	Integrated, cascading enzyme-/chemocatalytic cellulose conversion using catalysts based on mesoporous silica nanoparticles. <i>ChemSusChem</i> , 2014 , 7, 3241-6	8.3	99
195	Construction Hierarchically Mesoporous/Microporous Materials Based on Block Copolymer and Covalent Organic Framework. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 112, 180-192	5.3	93
194	Reduced graphene oxide nanosheets decorated with Au-Pd bimetallic alloy nanoparticles towards efficient photocatalytic degradation of phenolic compounds in water. <i>Nanoscale</i> , 2016 , 8, 8276-87	7.7	91
193	Cosynthesis of cargo-loaded hydroxyapatite/alginate core-shell nanoparticles (HAP@Alg) as pH-responsive nanovehicles by a pre-gel method. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 6720-7	7.5	91
192	A block copolymer micelle template for synthesis of hollow calcium phosphate nanospheres with excellent biocompatibility. <i>Chemical Communications</i> , 2012 , 48, 6532-4	5.8	88
191	Enzymatic breakdown of biomass: enzyme active sites, immobilization, and biofuel production. <i>Green Chemistry</i> , 2014 , 16, 4615-4626	10	87

190	Emerging strategies for breaking the 3D amorphous network of lignin. <i>Catalysis Science and Technology</i> , 2014 , 4, 3785-3799	5.5	84
189	Cellulosic conversion in ionic liquids (ILs): Effects of H ₂ O/cellulose molar ratios, temperatures, times, and different ILs on the production of monosaccharides and 5-hydroxymethylfurfural (HMF). <i>Catalysis Today</i> , 2011 , 174, 65-69	5.3	84
188	Functionalized Fe ₃ O ₄ @silica core-shell nanoparticles as microalgae harvester and catalyst for biodiesel production. <i>ChemSusChem</i> , 2015 , 8, 789-94	8.3	83
187	Mesoporous Carbon Incorporated with In ₂ O ₃ Nanoparticles as High-Performance Supercapacitors. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1109-1112	2.3	83
186	Cellulose Framework Directed Construction of Hierarchically Porous Carbons Offering High-Performance Capacitive Deionization of Brackish Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1885-1893	8.3	80
185	A Glucose-Assisted Hydrothermal Reaction for Directly Transforming Metal-Organic Frameworks into Hollow Carbonaceous Materials. <i>Chemistry of Materials</i> , 2018 , 30, 4401-4408	9.6	77
184	Highly efficient plastic-based quasi-solid-state dye-sensitized solar cells with light-harvesting mesoporous silica nanoparticles gel-electrolyte. <i>Journal of Power Sources</i> , 2014 , 245, 411-417	8.9	76
183	High performance capacitive deionization using modified ZIF-8-derived, N-doped porous carbon with improved conductivity. <i>Nanoscale</i> , 2018 , 10, 14852-14859	7.7	76
182	The zerovalent iron nanoparticle causes higher developmental toxicity than its oxidation products in early life stages of medaka fish. <i>Water Research</i> , 2013 , 47, 3899-909	12.5	73
181	An Effective Cellulose-to-Glucose-to-Fructose Conversion Sequence by Using Enzyme Immobilized Fe ₃ O ₄ -Loaded Mesoporous Silica Nanoparticles as Recyclable Biocatalysts. <i>ChemCatChem</i> , 2013 , 5, 2153-2157	5.2	72
180	Direct Production of Furfural in One-pot Fashion from Raw Biomass Using Brønsted Acidic Ionic Liquids. <i>Scientific Reports</i> , 2017 , 7, 13508	4.9	70
179	Synthesis of hierarchical micro/mesoporous structures via solid-aqueous interface growth: zeolitic imidazolate framework-8 on siliceous mesocellular foams for enhanced pervaporation of water/ethanol mixtures. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5192-8	9.5	70
178	Recent progress in the development of biomass-derived nitrogen-doped porous carbon. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3703-3728	13	69
177	Lignocellulosic biomass-derived, graphene sheet-like porous activated carbon for electrochemical supercapacitor and catechin sensing. <i>RSC Advances</i> , 2017 , 7, 45668-45675	3.7	68
176	Combined treatments for producing 5-hydroxymethylfurfural (HMF) from lignocellulosic biomass. <i>Catalysis Today</i> , 2016 , 278, 344-349	5.3	68
175	Inorganic-organic hybrid nanoparticles with biocompatible calcium phosphate thin shells for fluorescence enhancement. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 1301-5	4.5	64
174	Multifunctional core-shell-corona-type polymeric micelles for anticancer drug-delivery and imaging. <i>Chemistry - A European Journal</i> , 2013 , 19, 4812-7	4.8	62
173	Multimodal Superparamagnetic Nanoparticles with Unusually Enhanced Specific Absorption Rate for Synergetic Cancer Therapeutics and Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14656-64	9.5	61

172	Size-adjustable annular ring-functionalized mesoporous silica as effective and selective adsorbents for heavy metal ions. <i>RSC Advances</i> , 2013 , 3, 25686	3.7	60
171	Synergistic effect of metal-organic framework-derived boron and nitrogen heteroatom-doped three-dimensional porous carbons for precious-metal-free catalytic reduction of nitroarenes. <i>Applied Catalysis B: Environmental</i> , 2019 , 257, 117888	21.8	59
170	A gold surface plasmon enhanced mesoporous titanium dioxide photoelectrode for the plastic-based flexible dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2015 , 288, 221-228	8.9	58
169	Hydrothermal Synthesis of Binary Ni ₁₀ Hydroxides and Carbonate Hydroxides as Pseudosupercapacitors. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 39-43	2.3	57
168	Electrophoretic deposition of mesoporous TiO ₂ nanoparticles consisting of primary anatase nanocrystallites on a plastic substrate for flexible dye-sensitized solar cells. <i>Chemical Communications</i> , 2011 , 47, 8346-8	5.8	54
167	Highly selective and high-performance osmotic power generators in subnanochannel membranes enabled by metal-organic frameworks. <i>Science Advances</i> , 2021 , 7,	14.3	54
166	Mesoporous TiO Embedded with a Uniform Distribution of CuO Exhibit Enhanced Charge Separation and Photocatalytic Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42425-42429	9.5	53
165	Functionalized magnetic iron oxide/alginate core-shell nanoparticles for targeting hyperthermia. <i>International Journal of Nanomedicine</i> , 2015 , 10, 3315-27	7.3	53
164	Enhanced Charge Collection in MOF-525-PEDOT Nanotube Composites Enable Highly Sensitive Biosensing. <i>Advanced Science</i> , 2017 , 4, 1700261	13.6	52
163	Prussian Blue Derived Nanoporous Iron Oxides as Anticancer Drug Carriers for Magnetic-Guided Chemotherapy. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1457-62	4.5	52
162	Significant Effect of Pore Sizes on Energy Storage in Nanoporous Carbon Supercapacitors. <i>Chemistry - A European Journal</i> , 2018 , 24, 6127-6132	4.8	51
161	Synthesis of mesoporous titania thin films (MTTFs) with two different structures as photocatalysts for generating hydrogen from water splitting. <i>Applied Energy</i> , 2012 , 100, 75-80	10.7	50
160	Rapid synthesis of biocompatible gold nanoflowers with tailored surface textures with the assistance of amino acid molecules. <i>RSC Advances</i> , 2012 , 2, 4608	3.7	50
159	Oriental control of hexagonally packed silica mesochannels in lithographically designed confined nanopores. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5364-8	16.4	50
158	ZIF-8 Derived, Nitrogen-Doped Porous Electrodes of Carbon Polyhedron Particles for High-Performance Electrosorption of Salt Ions. <i>Scientific Reports</i> , 2016 , 6, 28847	4.9	48
157	De Novo Synthesis of Gold-Nanoparticle-Embedded, Nitrogen-Doped Nanoporous Carbon Nanoparticles (Au@NC) with Enhanced Reduction Ability. <i>ChemCatChem</i> , 2016 , 8, 502-509	5.2	48
156	Synthesis, bifunctionalization, and remarkable adsorption performance of benzene-bridged periodic mesoporous organosilicas functionalized with high loadings of carboxylic acids. <i>Chemistry - A European Journal</i> , 2013 , 19, 6358-67	4.8	47
155	Fabrication and characterization of plastic-based flexible dye-sensitized solar cells consisting of crystalline mesoporous titania nanoparticles as photoanodes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17511		47

154	Three-Dimensional Nanoarchitecture of Carbon Nanotube-Interwoven Metal-Organic Frameworks for Capacitive Deionization of Saline Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13949-13954	8.3	46
153	A Hierarchical Study on Load/Release Kinetics of Guest Molecules into/from Mesoporous Silica Thin Films. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6581-6590	3.8	45
152	Hydrogen Peroxide Assisted Selective Oxidation of 5-Hydroxymethylfurfural in Water under Mild Conditions. <i>ChemCatChem</i> , 2018 , 10, 361-365	5.2	44
151	Thermally stable polymer composites with improved transparency by using colloidal mesoporous silica nanoparticles as inorganic fillers. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 7427-32	3.6	43
150	Electronically conductive metal-organic framework-based materials. <i>APL Materials</i> , 2019 , 7, 110902	5.7	43
149	Ligand conformation dictates membrane and endosomal trafficking of arginine-glycine-aspartate (RGD)-functionalized mesoporous silica nanoparticles. <i>Chemistry - A European Journal</i> , 2012 , 18, 7787-92	4.8	42
148	Green synthesis of metal oxide nanostructures using naturally occurring compounds for energy, environmental, and bio-related applications. <i>New Journal of Chemistry</i> , 2019 , 43, 15846-15856	3.6	41
147	Metal-organic frameworks: preparation and applications in highly efficient heterogeneous photocatalysis. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 504-521	5.8	41
146	Effects of structural crystallinity and defects in microporous Al-MOF filled chitosan mixed matrix membranes for pervaporation of water/ethanol mixtures. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 83, 143-151	5.3	41
145	Synthesis of [3 + 3] Eketoenamine-tethered covalent organic frameworks (COFs) for high-performance supercapacitance and CO ₂ storage. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 103, 199-208	5.3	40
144	Synthesis of continuous mesoporous alumina films with large-sized cage-type mesopores by using diblock copolymers. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1713-8	4.5	40
143	Synthesis of MOF-525 Derived Nanoporous Carbons with Different Particle Sizes for Supercapacitor Application. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2857-2862	4.5	39
142	Fabrication of Nanoporous Carbon Materials with Hard- and Soft-Templating Approaches: A Review. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3673-3685	1.3	39
141	Nanoarchitectonics of Biofunctionalized Metal-Organic Frameworks with Biological Macromolecules and Living Cells. <i>Small Methods</i> , 2019 , 3, 1900213	12.8	39
140	Jute-derived microporous/mesoporous carbon with ultra-high surface area using a chemical activation process. <i>Microporous and Mesoporous Materials</i> , 2019 , 274, 251-256	5.3	38
139	Gelatin-functionalized mesoporous silica nanoparticles with sustained release properties for intracameral pharmacotherapy of glaucoma. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 7008-7013	7.3	38
138	Facile Synthesis of Hollow Mesoporous Hydroxyapatite Nanoparticles for Intracellular Bio-imaging. <i>Current Nanoscience</i> , 2011 , 7, 926-931	1.4	38
137	Electron-beam lithography assisted patterning of surfactant-templated mesoporous thin films. <i>Nanotechnology</i> , 2004 , 15, 1886-1889	3.4	38

136	Characterization and molecular simulation of Pebax-1657-based mixed matrix membranes incorporating MoS ₂ nanosheets for carbon dioxide capture enhancement. <i>Journal of Membrane Science</i> , 2019 , 582, 358-366	9.6	37
135	Predictable Shrinkage during the Precise Design of Porous Materials and Nanomaterials. <i>Chemistry of Materials</i> , 2015 , 27, 6918-6928	9.6	36
134	Superparamagnetic Gadolinium Ferrite Nanoparticles with Controllable Curie Temperature □ Cancer Theranostics for MR-Imaging-Guided Magneto-Chemotherapy. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4586-4597	2.3	35
133	Synthesis of highly ordered mesoporous alumina thin films and their framework crystallization to Alumina phase. <i>Dalton Transactions</i> , 2011 , 40, 10851-6	4.3	35
132	High-Performance Supercapacitor Electrodes Prepared From Dispersions of Tetrabenzonaphthalene-Based Conjugated Microporous Polymers and Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	35
131	Liver cancer cells: targeting and prolonged-release drug carriers consisting of mesoporous silica nanoparticles and alginate microspheres. <i>International Journal of Nanomedicine</i> , 2014 , 9, 2767-78	7.3	33
130	Cytotoxicity of Postmodified Zeolitic Imidazolate Framework-90 (ZIF-90) Nanocrystals: Correlation between Functionality and Toxicity. <i>Chemistry - A European Journal</i> , 2016 , 22, 2925-9	4.8	33
129	Microwave-assisted depolymerization of various types of waste lignins over two-dimensional CuO/BCN catalysts. <i>Green Chemistry</i> , 2020 , 22, 725-736	10	32
128	Boron-Functionalized Graphene Oxide-Organic Frameworks for Highly Efficient CO Capture. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 283-288	4.5	31
127	Effective Dispersion of MgO Nanostructure on Biochar Support as a Basic Catalyst for Glucose Isomerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 6990-7001	8.3	31
126	Perpendicular mesoporous Pt thin films: electrodeposition from titania nanopillars and their electrochemical properties. <i>Chemical Communications</i> , 2008 , 2888-90	5.8	31
125	Synthesis of Mixed-Ligand Zeolitic Imidazolate Framework (ZIF-8-90) for CO ₂ Adsorption. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015 , 25, 251-258	3.2	30
124	Rational Design and Synthesis of Cyano-Bridged Coordination Polymers with Precise□Control of Particle Size from 20 to 500 nm. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3141-3145	2.3	30
123	Effect of Solvent, Role of Formic Acid and Rh/C Catalyst for the Efficient Liquefaction of Lignin. <i>ChemCatChem</i> , 2019 , 11, 4604-4616	5.2	27
122	Trifunctional FeO/CaP/Alginate Core-Shell-Corona Nanoparticles for Magnetically Guided, pH-Responsive, and Chemically Targeted Chemotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2366-2374	5.5	27
121	Heterogeneous Metal Azolate Framework-6 (MAF-6) Catalysts with High Zinc Density for Enhanced Polyethylene Terephthalate (PET) Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6541-6550	8.3	27
120	A stirring packed-bed reactor to enhance the esterification□transesterification in biodiesel production by lowering mass-transfer resistance. <i>Chemical Engineering Journal</i> , 2013 , 234, 9-15	14.7	26
119	Biodiesel production by pervaporation-assisted esterification and pre-esterification using graphene oxide/chitosan composite membranes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 79, 23-30	5.3	26

118	Novel block copolymer templates for tuning mesopore connectivity in cage-type mesoporous silica films. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20008		26
117	Thermal Conversion of Hollow Prussian Blue Nanoparticles into Nanoporous Iron Oxides with Crystallized Hematite Phase. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 1137-1141	2.3	25
116	Highly crystallized nanometer-sized zeolite a with large Cs adsorption capability for the decontamination of water. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 759-63	4.5	25
115	Selective hydrogenation of furfural to tetrahydrofurfuryl alcohol over a Rh-loaded carbon catalyst in aqueous solution under mild conditions. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 293-301	5.8	25
114	A nanofluidic osmotic power generator demonstrated in polymer gel electrolytes with substantially enhanced performance. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26791-26796	13	25
113	A critical review on biochar-based engineered hierarchical porous carbon for capacitive charge storage. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 145, 111029	16.2	24
112	Glucose isomerization catalyzed by bone char and the selective production of 5-hydroxymethylfurfural in aqueous media. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2148-2153	5.8	24
111	Biocompatible and multifunctional gold nanorods for effective photothermal therapy of oral squamous cell carcinoma. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4451-4460	7.3	23
110	Efficient liquid-phase hydrogenolysis of a lignin model compound (benzyl phenyl ether) using a Ni/carbon catalyst. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 618-626	4.9	22
109	Efficient oxygen evolution on mesoporous IrOx nanosheets. <i>Catalysis Science and Technology</i> , 2019 , 9, 3697-3702	5.5	22
108	Prussian Blue-Derived Synthesis of Hollow Porous Iron Pyrite Nanoparticles as Platinum-Free Counter Electrodes for Highly Efficient Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2017 , 23, 13284-13288	4.8	22
107	Synthesis of highly strained mesostructured SrTiO(3)/BaTiO(3) composite films with robust ferroelectricity. <i>Chemistry - A European Journal</i> , 2013 , 19, 4446-50	4.8	22
106	pH-responsive polymeric micelles with core-shell-corona architectures as intracellular anti-cancer drug carriers. <i>Science and Technology of Advanced Materials</i> , 2013 , 14, 044402	7.1	22
105	Fine-tuning mesochannel orientation of organically functionalized mesoporous silica nanoparticles. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 658-61	4.5	22
104	An unique approach of applying magnetic nanoparticles attached commercial lipase acrylic resin for biodiesel production. <i>Catalysis Today</i> , 2016 , 278, 330-334	5.3	21
103	Synthesis and characterization of highly ordered titania-alumina mixed oxide mesoporous films with high alumina content. <i>Microporous and Mesoporous Materials</i> , 2010 , 134, 150-156	5.3	21
102	Synthesis of mesoporous silica nanoparticle-encapsulated alginate microparticles for sustained release and targeting therapy. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 293-302	3.5	20
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