

Kevin C-W Wu

List of Publications by Year in Descending Order

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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	Metal Complexes of the Porphyrin-Functionalized Polybenzoxazine.. <i>Polymers</i> , 2022 , 14,	4.5	2
242	Interfacial nanoarchitectonics for ZIF-8 membranes with enhanced gas separation.. <i>Beilstein Journal of Nanotechnology</i> , 2022 , 13, 313-324	3	1
241	Ultrastable Conjugated Microporous Polymers Containing Benzobisthiadiazole and Pyrene Building Blocks for Energy Storage Applications.. <i>Molecules</i> , 2022 , 27,	4.8	5
240	Thermochemical conversion of plastic waste into fuels, chemicals, and value-added materials: A critical review and outlooks.. <i>ChemSusChem</i> , 2022 ,	8.3	4
239	Microreactor equipped with naturally acid-resistant histidine ammonia lyase from an extremophile. <i>Materials Advances</i> , 2022 , 3, 3649-3662	3.3	0
238	The Role of N and S Doping on Photoluminescent Characteristics of Carbon Dots from Palm Bunches for Fluorimetric Sensing of Fe Ion.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	3
237	Agricultural waste-derived biochar for environmental management 2022 , 3-13		
236	Recycling Polymeric Solid Wastes for Energy-Efficient Water Purification, Organic Distillation, and Oil Spill Cleanup (Small 46/2021). <i>Small</i> , 2021 , 17, 2170244	11	2
235	Morphology control of ionic-liquid-templated ZSM-22 and ZSM-5 zeolites using a two-step process and its effect on toluene methylation. <i>Microporous and Mesoporous Materials</i> , 2021 , 328, 111475	5.3	3
234	Innentitelbild: Diels-Alder Conversion of Acrylic Acid and 2,5-Dimethylfuran to para-Xylene Over Heterogeneous Bi-BTC Metal-Organic Framework Catalysts Under Mild Conditions (Angew. Chem. 2/2021). <i>Angewandte Chemie</i> , 2021 , 133, 522-522	3.6	
233	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
232	A high ZIF-8 loading PVA mixed matrix membrane on alumina hollow fiber with enhanced ethanol dehydration. <i>Journal of Membrane Science</i> , 2021 , 621, 118935	9.6	5
231	Quantum Mechanical Calculations for Biomass Valorization over Metal-Organic Frameworks (MOFs). <i>Chemistry - an Asian Journal</i> , 2021 , 16, 1049-1056	4.5	3
230	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	8.2	27
229	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
228	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
227	Diels-Alder Conversion of Acrylic Acid and 2,5-Dimethylfuran to para-Xylene Over Heterogeneous Bi-BTC Metal-Organic Framework Catalysts Under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 624-629	16.4	7

226	Water-Based Synthesis of Gold Single Atoms-Embedded, Metal-Organic Frameworks-Derived Nanoporous Carbon Nanoparticles with Enhanced Reduction Ability. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001638	4.6	1
225	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
224	Diels-Alder Conversion of Acrylic Acid and 2,5-Dimethylfuran to para-Xylene Over Heterogeneous Bi-BTC Metal-Organic Framework Catalysts Under Mild Conditions. <i>Angewandte Chemie</i> , 2021 , 133, 634-639	2.6	3
223	One-step hydrogenolysis of 5-hydroxymethylfurfural to 1,2,6-hexanetriol using a Pt@MIL-53-derived Pt@Al ₂ O ₃ catalyst and NaBH ₄ in aqueous media. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 4087-4094	5.8	0
222	Fabrication of an Extremely Cheap Poly(3,4-ethylenedioxythiophene) Modified Pencil Lead Electrode for Effective Hydroquinone Sensing. <i>Polymers</i> , 2021 , 13,	4.5	1
221	In Search of Excellence: Convex versus Concave Noble Metal Nanostructures for Electrocatalytic Applications. <i>Advanced Materials</i> , 2021 , 33, e2004554	24	12
220	MCP-1-Functionalized, Core-Shell Gold Nanorod@Iron-Based Metal-Organic Framework (MCP-1/GNR@MIL-100(Fe)) for Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
219	Recycling Polymeric Solid Wastes for Energy-Efficient Water Purification, Organic Distillation, and Oil Spill Cleanup. <i>Small</i> , 2021 , 17, e2102459	11	2
218	Syngas production with low tar content from cellulose pyrolysis in molten salt combined with Ni/Al ₂ O ₃ catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 158, 105243	6	5
217	Decoration of silver nanoparticles on nitrogen-doped nanoporous carbon derived from zeolitic imidazole framework-8 (ZIF-8) auto-reduction.. <i>RSC Advances</i> , 2021 , 11, 6614-6619	3.7	2
216	Lignin-Derived Syringol and Acetosyringone from Palm Bunch Using Heterogeneous Oxidative Depolymerization over Mixed Metal Oxide Catalysts under Microwave Heating.. <i>Molecules</i> , 2021 , 26,	4.8	3
215	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
214	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
213	Unraveling the highly selective nature of silver-based metal-organic complexes for the detection of metal ions: the synergistic effect of dicarboxylic acid linkers. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5051-5057	7.1	7
212	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
211	Oxidation of biomass-derived furans to maleic acid over nitrogen-doped carbon catalysts under acid-free conditions. <i>Catalysis Science and Technology</i> , 2020 , 10, 1498-1506	5.5	17
210	De Novo synthesis of platinum-nanoparticle-encapsulated UiO-66-NH for photocatalytic thin film fabrication with enhanced performance of phenol degradation. <i>Journal of Hazardous Materials</i> , 2020 , 397, 122431	12.8	19
209	Highly-efficient Ru/Al-BBA-15 catalysts with strong Lewis acid sites for the water-assisted hydrogenation of p-phthalic acid. <i>Catalysis Science and Technology</i> , 2020 , 10, 2443-2451	5.5	3

208	Dielectric Spectroscopy of Water Dynamics in Functionalized UiO-66 Metal-Organic Frameworks. <i>Molecules</i> , 2020 , 25,	4.8	6
207	Effect of microwave-assisted wet torrefaction on liquefaction of biomass from palm oil and sugarcane wastes to bio-oil and carbon nanodots/nanoflakes by hydrothermolysis and solvothermolysis. <i>Renewable Energy</i> , 2020 , 154, 1204-1217	8.1	16
206	Flexible nitrogen-doped carbon heteroarchitecture derived from ZIF-8/ZIF-67 hybrid coating on cotton biomass waste with high supercapacitive properties. <i>Microporous and Mesoporous Materials</i> , 2020 , 303, 110257	5.3	19
205	Ball-milled, solvent-free Sn-functionalisation of wood waste biochar for sugar conversion in food waste valorisation. <i>Journal of Cleaner Production</i> , 2020 , 268, 122300	10.3	11
204	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
203	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
202	Development of glycyrrhizin-conjugated, chitosan-coated, lysine-embedded mesoporous silica nanoparticles for hepatocyte-targeted liver tissue regeneration. <i>Materialia</i> , 2020 , 9, 100568	3.2	7
201	Metal-organic frameworks: preparation and applications in highly efficient heterogeneous photocatalysis. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 504-521	5.8	41
200	A metabolite binding protein moonlights as a bile-responsive chaperone. <i>EMBO Journal</i> , 2020 , 39, e104231	3.1	2
199	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
198	Effect of N flow rate on kinetic investigation of lignin pyrolysis. <i>Environmental Research</i> , 2020 , 190, 109976	7.6	10
197	Synergistic effects of Pt-embedded, MIL-53-derived catalysts (Pt@Al ₂ O ₃) and NaBH ₄ for water-mediated hydrogenolysis of biomass-derived furfural to 1,5-pentanediol at near-ambient temperature. <i>Journal of Catalysis</i> , 2020 , 390, 46-56	7.3	18
196	Synthesis of MOF525/PEDOT Composites as Microelectrodes for Electrochemical Sensing of Dopamine. <i>Polymers</i> , 2020 , 12,	4.5	4
195	Assessment of agricultural waste-derived activated carbon in multiple applications. <i>Environmental Research</i> , 2020 , 191, 110176	7.9	13
194	A universal approach for the synthesis of mesoporous gold, palladium and platinum films for applications in electrocatalysis. <i>Nature Protocols</i> , 2020 , 15, 2980-3008	18.8	19
193	Enhancement of biodiesel production via sequential esterification/transesterification over solid superacidic and superbasic catalysts. <i>Catalysis Today</i> , 2020 , 348, 257-269	5.3	5
192	Functional nanostructured materials: Aerosol, aerogel, and de novo synthesis to emerging energy and environmental applications. <i>Advanced Powder Technology</i> , 2020 , 31, 104-120	4.6	12
191	DNA-Templated Copper Nanoprobes: Overview, Feature, Application, and Current Development in Detection Technologies. <i>Chemical Record</i> , 2020 , 20, 174-186	6.6	5

190	Nanoarchitected Structure and Surface Biofunctionality of Mesoporous Silica Nanoparticles. <i>Advanced Materials</i> , 2020 , 32, e1907035	24	153
189	Metal-organic framework (MOF)-derived catalysts for fine chemical production. <i>Coordination Chemistry Reviews</i> , 2020 , 416, 213319	23.2	242
188	An efficient method for the synthesis of 2,4,5-trisubstituted imidazoles using lactic acid as promoter. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	8
187	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
186	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
185	Metal organic framework derived nickel phosphide/graphitic carbon hybrid for electrochemical hydrogen generation reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 96, 634-638	5.3	19
184	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
183	Efficient oxygen evolution on mesoporous IrO _x nanosheets. <i>Catalysis Science and Technology</i> , 2019 , 9, 3697-3702	5.5	22
182	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
181	Water- and Thermal-Stable Silver-Based Photoluminescent Metal-Organic Coordination Polymer for Highly Selective Lead Ion Sensing. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 1430-1435	5.1	15
180	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
179	Harnessing MOF materials in photovoltaic devices: recent advances, challenges, and perspectives. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 17079-17095	13	182
178	Perovskite Solar Cells: Enhancing Efficiency and Stability of Photovoltaic Cells by Using Perovskite/Zr-MOF Heterojunction Including Bilayer and Hybrid Structures (Adv. Sci. 5/2019). <i>Advanced Science</i> , 2019 , 6, 1970030	13.6	6
177	Extrastriate connectivity of the mouse dorsal lateral geniculate thalamic nucleus. <i>Journal of Comparative Neurology</i> , 2019 , 527, 1419-1442	3.4	6
176	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
175	De novo synthesis of Cr-embedded MOF-199 and derived porous CuO/CuCr ₂ O ₄ composites for enhanced phenol hydroxylation. <i>Green Chemistry</i> , 2019 , 21, 1889-1894	10	14
174	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
173	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

172	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
171	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
170	Acute oral toxicity and repeated dose 28-day oral toxicity studies of MIL-101 nanoparticles. <i>Regulatory Toxicology and Pharmacology</i> , 2019 , 107, 104426	3.4	12
169	Nanoarchitectonics of Biofunctionalized Metal-Organic Frameworks with Biological Macromolecules and Living Cells. <i>Small Methods</i> , 2019 , 3, 1900213	12.8	39
168	Advances in lignin valorization towards bio-based chemicals and fuels: Lignin biorefinery. <i>Bioresource Technology</i> , 2019 , 291, 121878	11	113
167	MIL-53-NH ₂ -derived carbon-Al ₂ O ₃ composites supported Ru catalyst for effective hydrogenation of levulinic acid to γ-valerolactone under ambient conditions. <i>Molecular Catalysis</i> , 2019 , 475, 110478	3.3	17
166	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
165	Electronically conductive metal-organic framework-based materials. <i>APL Materials</i> , 2019 , 7, 110902	5.7	43
164	Low-Frequency Dipolar Dynamics and Atmospheric Effects in ZIF-90 Metal-Organic Framework. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 631-636	3.8	12
163	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
162	Development of Sulfonic-Acid-Functionalized Mesoporous Materials: Synthesis and Catalytic Applications. <i>Chemistry - A European Journal</i> , 2019 , 25, 1614-1635	4.8	117
161	Nanostructured Cementite/Ferrous Sulfide Encapsulated Carbon with Heteroatoms for Oxygen Reduction in Alkaline Environment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3185-3194	8.3	9
160	Titelbild: Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework (Angew. Chem. 11/2018). <i>Angewandte Chemie</i> , 2018 , 130, 2777-2777	3.6	1
159	Three-Dimensional Macroporous Graphitic Carbon for Supercapacitor Application. <i>ChemistrySelect</i> , 2018 , 3, 4522-4526	1.8	13
158	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
157	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</i> , 2018 , 130, 2944-2948	3.6	15
156	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
155	Hydrogen Peroxide Assisted Selective Oxidation of 5-Hydroxymethylfurfural in Water under Mild Conditions. <i>ChemCatChem</i> , 2018 , 10, 337-337	5.2	1

154	Hydrogen Peroxide Assisted Selective Oxidation of 5-Hydroxymethylfurfural in Water under Mild Conditions. <i>ChemCatChem</i> , 2018 , 10, 361-365	5.2	44
153	Graphene-Wrapped Nanoporous Nickel-Cobalt Oxide Flakes for Electrochemical Supercapacitors. <i>ChemistrySelect</i> , 2018 , 3, 8505-8510	1.8	9
152	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
151	Highly Zeolite-Loaded Polyvinyl Alcohol Composite Membranes for Alkaline Fuel-Cell Electrolytes. <i>Polymers</i> , 2018 , 10,	4.5	18
150	A Novel Method for the Pentosan Analysis Present in Jute Biomass and Its Conversion into Sugar Monomers Using Acidic Ionic Liquid. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	4
149	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
148	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
147	Analytical Understanding of the Materials Design with Well-Described Shrinkages on Multiscale. <i>Chemistry - A European Journal</i> , 2018 , 24, 6886-6904	4.8	10
146	Nanoarchitectonics. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 1-2	1.3	15
145	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
144	Sequential Fractionation of Palm Empty Fruit Bunch and Microwave-Assisted Depolymerization of Lignin for Producing Monophenolic Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16896-16906	8.3	20
143	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
142	Synthesis of Modular Building Blocks using Glycosyl Phosphate Donors for the Construction of Asymmetric N-Glycans. <i>Tetrahedron</i> , 2018 , 74, 6003-6011	2.4	7
141	Curved Fragmented Graphenic Hierarchical Architectures for Extraordinary Charging Capacities. <i>Small</i> , 2018 , 14, e1702054	11	8
140	High surface area nanoporous carbon derived from high quality jute from Bangladesh. <i>Materials Chemistry and Physics</i> , 2018 , 216, 491-495	4.4	18
139	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
138	3D network of cellulose-based energy storage devices and related emerging applications. <i>Materials Horizons</i> , 2017 , 4, 522-545	14.4	208
137	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

136	Synthesis and Cytotoxicity of Dendritic Platinum Nanoparticles with HEK-293 Cells. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 21-26	4.5	17
135	Nanoarchitected Design of Porous Materials and Nanocomposites from Metal-Organic Frameworks. <i>Advanced Materials</i> , 2017 , 29, 1604898	24	597
134	Boron-Functionalized Graphene Oxide-Organic Frameworks for Highly Efficient CO Capture. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 283-288	4.5	31
133	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
132	Enhanced Charge Collection in MOF-525-PEDOT Nanotube Composites Enable Highly Sensitive Biosensing. <i>Advanced Science</i> , 2017 , 4, 1700261	13.6	52
131	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
130	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
129	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
128	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, 13263-13263	4.8	
127	Strategies for Improving the Functionality of Zeolitic Imidazolate Frameworks: Tailoring Nanoarchitectures for Functional Applications. <i>Advanced Materials</i> , 2017 , 29, 1700213	24	270
126	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
125	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
124	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
123	Advances in bioconversion of microalgae with high biomass and lipid productivity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 79, 37-42	5.3	8
122	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
121	ZnO-loaded mesoporous silica (KIT-6) as an efficient solid catalyst for production of various substituted quinoxalines. <i>Catalysis Communications</i> , 2017 , 90, 111-115	3.2	13
120	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
119	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

118	Au Nanoparticles Prepared Using a Coated Electrode in Plasma-in-Liquid Process: Effect of the Solution pH. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9257-9262	1.3	16
117	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
116	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
115	Correction: 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, 19174-19175	7.7	4
114	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
113	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
112	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
111	Hard-templating synthesis of macroporous platinum microballs (MPtM). <i>Materials Letters</i> , 2016 , 164, 488-492	3.3	6
110	Annulated Mesoporous Silica as Potent Lanthanide Ion Adsorbents and Magnetic Resonance Contrast Enhancing Agents. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016 , 26, 165-171	3.2	
109	Nanoarchitectures for Mesoporous Metals. <i>Advanced Materials</i> , 2016 , 28, 993-1010	24	297
108	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
107	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
106	Towards Acid-Tolerated Ethanol Dehydration: Chitosan-Based Mixed Matrix Membranes Containing Cyano-Bridged Coordination Polymer Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 4141-6	1.3	15
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104	Combined treatments for producing 5-hydroxymethylfurfural (HMF) from lignocellulosic biomass. <i>Catalysis Today</i> , 2016 , 278, 344-349	5.3	68
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