

# Jun Wang

## List of Publications by Citations

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112  
papers

4,173  
citations

32  
h-index

63  
g-index

122  
ext. papers

5,710  
ext. citations

9.4  
avg, IF

6.09  
L-index

#	Paper	IF	Citations
112	Ambient ammonia synthesis via palladium-catalyzed electrohydrogenation of dinitrogen at low overpotential. <i>Nature Communications</i> , <b>2018</b> , 9, 1795	17.4	456
111	Hierarchical FeCo <sub>2</sub> O <sub>4</sub> @NiCo layered double hydroxide core/shell nanowires for high performance flexible all-solid-state asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 1573-1583	14.7	265
110	Strategies in catalysts and electrolyzer design for electrochemical CO reduction toward C products. <i>Science Advances</i> , <b>2020</b> , 6, eaay3111	14.3	229
109	Solvothermal one-step synthesis of Ni-Al layered double hydroxide/carbon nanotube/reduced graphene oxide sheet ternary nanocomposite with ultrahigh capacitance for supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5443-54	9.5	212
108	Enhanced adsorption of uranium (VI) using a three-dimensional layered double hydroxide/graphene hybrid material. <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 752-760	14.7	189
107	A flexible all-solid-state asymmetric supercapacitors based on hierarchical carbon cloth@CoMoO <sub>4</sub> @NiCo layered double hydroxide core-shell heterostructures. <i>Chemical Engineering Journal</i> , <b>2018</b> , 352, 29-38	14.7	187
106	Microwave synthesis and characterization of MOF-74 (M=Ni, Mg) for gas separation. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 180, 114-122	5.3	164
105	Hierarchical NiCo <sub>2</sub> S <sub>4</sub> @CoMoO <sub>4</sub> core-shell heterostructures nanowire arrays as advanced electrodes for flexible all-solid-state asymmetric supercapacitors. <i>Applied Surface Science</i> , <b>2018</b> , 453, 73-82	6.7	161
104	Simultaneous and efficient removal of Cr(VI) and methyl orange on LDHs decorated porous carbons. <i>Chemical Engineering Journal</i> , <b>2018</b> , 352, 306-315	14.7	116
103	Ultra-high surface area and nitrogen-rich porous carbons prepared by a low-temperature activation method with superior gas selective adsorption and outstanding supercapacitance performance. <i>Chemical Engineering Journal</i> , <b>2019</b> , 355, 309-319	14.7	104
102	Controllable synthesis of bifunctional porous carbon for efficient gas-mixture separation and high-performance supercapacitor. <i>Chemical Engineering Journal</i> , <b>2018</b> , 348, 57-66	14.7	98
101	Nickel-Cobalt Layered Double Hydroxide Nanowires on Three Dimensional Graphene Nickel Foam for High Performance Asymmetric Supercapacitors. <i>Electrochimica Acta</i> , <b>2016</b> , 215, 492-499	6.7	93
100	A new choice of polymer precursor for solvent-free method: Preparation of N-enriched porous carbons for highly selective CO <sub>2</sub> capture. <i>Chemical Engineering Journal</i> , <b>2019</b> , 355, 963-973	14.7	89
99	Multifunctional LDH/Co <sub>9</sub> S <sub>8</sub> heterostructure nanocages as high-performance lithium-sulfur battery cathodes with ultralong lifespan. <i>Energy Storage Materials</i> , <b>2020</b> , 30, 187-195	19.4	85
98	Fabrication of urchin-like NiCo <sub>2</sub> (CO <sub>3</sub> ) <sub>1.5</sub> (OH) <sub>3</sub> @NiCo <sub>2</sub> S <sub>4</sub> on Ni foam by an ion-exchange route and application to asymmetrical supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13308-13316	13	77
97	Optimizing Pore Space for Flexible-Robust Metal-Organic Framework to Boost Trace Acetylene Removal. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 9744-9751	16.4	66
96	Enhanced Cr(VI) removal by polyethylenimine- and phosphorus-codoped hierarchical porous carbons. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 523, 110-120	9.3	62

95	Unprecedented performance of N-doped activated hydrothermal carbon towards C <sub>2</sub> H <sub>6</sub> /CH <sub>4</sub> , CO <sub>2</sub> /CH <sub>4</sub> , and CO <sub>2</sub> /H <sub>2</sub> separation. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2263-2276	13	50
94	Fabrication of asymmetric poly (m-phenylene isophthalamide) nanofiltration membrane for chromium (VI) removal. <i>Journal of Environmental Sciences</i> , <b>2010</b> , 22, 1335-41	6.4	49
93	Exploiting equilibrium-kinetic synergetic effect for separation of ethylene and ethane in a microporous metal-organic framework. <i>Science Advances</i> , <b>2020</b> , 6, eaaz4322	14.3	47
92	A hierarchical glucose-intercalated NiMn-G-LDH@NiCoS core-shell structure as a binder-free electrode for flexible all-solid-state asymmetric supercapacitors. <i>Nanoscale</i> , <b>2020</b> , 12, 1852-1863	7.7	45
91	High and selective CO <sub>2</sub> adsorption by a phthalocyanine nanoporous polymer. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 10284-10288	13	44
90	Nitrogen-rich microporous carbons for highly selective separation of light hydrocarbons. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13957-13966	13	43
89	Synthesis of Porous Carbons with High N-Content from Shrimp Shells for Efficient CO <sub>2</sub> -Capture and Gas Separation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 15550-15559	8.3	43
88	A Co-N/C hollow-sphere electrocatalyst derived from a metanilic CoAl layered double hydroxide for the oxygen reduction reaction, and its active sites in various pH media. <i>Nano Research</i> , <b>2017</b> , 10, 2508-2518	10	41
87	3D Cu(OH) <sub>2</sub> nanowires/carbon cloth for flexible supercapacitors with outstanding cycle stability. <i>Chemical Engineering Journal</i> , <b>2019</b> , 371, 348-355	14.7	41
86	Hydrogenative Ring-Rearrangement of Biobased Furanic Aldehydes to Cyclopentanone Compounds over Pd/Pyrochlore by Introducing Oxygen Vacancies. <i>ACS Catalysis</i> , <b>2020</b> , 10, 7355-7366	13.1	40
85	Hydroquinone and Quinone-Grafted Porous Carbons for Highly Selective CO <sub>2</sub> Capture from Flue Gases and Natural Gas Upgrading. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 9364-73	10.3	39
84	A versatile synthesis of metal-organic framework-derived porous carbons for CO <sub>2</sub> capture and gas separation. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 19095-19106	13	38
83	Ordered Porous Poly(ionic liquid) Crystallines: Spacing Confined Ionic Surface Enhancing Selective CO Capture and Fixation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 6031-6041	9.5	38
82	Implanting nickel and cobalt phosphide into well-defined carbon nanocages: A synergistic adsorption-electrocatalysis separator mediator for durable high-power Li-S batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 38, 381-388	19.4	37
81	Highly Selective and Reversible Sulfur Dioxide Adsorption on a Microporous Metal-Organic Framework via Polar Sites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 10680-10688	9.5	36
80	Benzenesulfonic acid functionalized hydrophobic mesoporous biochar as an efficient catalyst for the production of biofuel. <i>Applied Catalysis A: General</i> , <b>2019</b> , 580, 178-185	5.1	32
79	Ultramicroporous carbons with extremely narrow pore size distribution via in-situ ionic activation for efficient gas-mixture separation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121931	14.7	31
78	Functional molecules regulated and intercalated nickel-cobalt LDH nano-sheets on carbon fiber cloths as an advanced free-standing electrode for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , <b>2019</b> , 321, 134708	6.7	31

77	Sulfonic acid functionalized hydrophobic mesoporous biochar: Design, preparation and acid-catalytic properties. <i>Fuel</i> , <b>2019</b> , 240, 270-277	7.1	30
76	Double-metal cyanide-supported Pd catalysts for highly efficient hydrogenative ring-rearrangement of biomass-derived furanic aldehydes to cyclopentanone compounds. <i>Journal of Catalysis</i> , <b>2019</b> , 378, 201-208	7.3	29
75	Highly efficient hydrogenative ring-rearrangement of furanic aldehydes to cyclopentanone compounds catalyzed by noble metals/MIL-MOFs. <i>Applied Catalysis A: General</i> , <b>2019</b> , 575, 152-158	5.1	29
74	Nitrogen-doped porous carbons for highly selective CO <sub>2</sub> capture from flue gases and natural gas upgrading. <i>Materials Today Communications</i> , <b>2015</b> , 4, 156-165	2.5	28
73	Algae-derived N-doped porous carbons with ultrahigh specific surface area for highly selective separation of light hydrocarbons. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122731	14.7	28
72	Polyfuran-Derived Microporous Carbons for Enhanced Adsorption of CO <sub>2</sub> and CH <sub>4</sub> . <i>Langmuir</i> , <b>2015</b> , 31, 9845-52	4	27
71	Efficient SO <sub>2</sub> Removal Using a Microporous Metal-Organic Framework with Molecular Sieving Effect. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 874-882	3.9	27
70	Scalable strategy to fabricate single Cu atoms coordinated carbons for efficient electroreduction of CO <sub>2</sub> to CO. <i>Carbon</i> , <b>2020</b> , 168, 528-535	10.4	25
69	Deep Desulfurization with Record SO <sub>2</sub> Adsorption on the Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 9040-9047	16.4	24
68	Constructing layered double hydroxide fences onto porous carbons as high-performance cathodes for lithium-sulfur batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 312, 109-118	6.7	23
67	Selective CO <sub>2</sub> adsorption in a porphyrin polymer with benzimidazole linkages. <i>RSC Advances</i> , <b>2015</b> , 5, 10960-10963	3.7	23
66	Experimental and simulation study on efficient CH <sub>4</sub> /N <sub>2</sub> separation by pressure swing adsorption on silicalite-1 pellets. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124222	14.7	23
65	Effect of nitrogen group on selective separation of CO <sub>2</sub> /N <sub>2</sub> in porous polystyrene. <i>Chemical Engineering Journal</i> , <b>2014</b> , 256, 390-397	14.7	22
64	Facile preparation of N and O-rich porous carbon from palm sheath for highly selective separation of CO <sub>2</sub> /CH <sub>4</sub> /N <sub>2</sub> gas-mixture. <i>Chemical Engineering Journal</i> , <b>2020</b> , 399, 125812	14.7	21
63	Fine pore engineering in a series of isoreticular metal-organic frameworks for efficient CH <sub>4</sub> /CO separation.. <i>Nature Communications</i> , <b>2022</b> , 13, 200	17.4	20
62	Facile and low-temperature strategy to prepare hollow ZIF-8/CNT polyhedrons as high-performance lithium-sulfur cathodes. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126579	14.7	20
61	Boosting CO <sub>2</sub> -to-CO conversion on a robust single-atom copper decorated carbon catalyst by enhancing intermediate binding strength. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 1705-1712	13	20
60	Highly Efficient Alkylation Using Hydrophobic Sulfonic Acid-Functionalized Biochar as a Catalyst for Synthesis of High-Density Biofuels. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14973-14981	8.3	19

59	Efficient Separation of Propene and Propane Using Anion-Pillared Metal-Organic Frameworks. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 3531-3537	3.9	18
58	Solid-state synthesis of Cu nanoparticles embedded in carbon substrate for efficient electrochemical reduction of carbon dioxide to formic acid. <i>Chemical Engineering Journal</i> , <b>2020</b> , 400, 125879	14.7	17
57	In situ transformation of LDH into hollow cobalt-embedded and N-doped carbonaceous microflowers as polysulfide mediator for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123457	14.7	17
56	Synthesis of self-templated urchin-like Ni <sub>2</sub> Co(CO <sub>3</sub> ) <sub>2</sub> (OH) <sub>2</sub> hollow microspheres for high-performance hybrid supercapacitor electrodes. <i>Electrochimica Acta</i> , <b>2019</b> , 327, 134970	6.7	16
55	Functionalized metal-organic frameworks with strong acidity and hydrophobicity as an efficient catalyst for the production of 5-hydroxymethylfurfural. <i>Chinese Journal of Chemical Engineering</i> , <b>2021</b> , 33, 167-174	3.2	15
54	Facile and Controllable Preparation of Ultramicroporous Biomass-Derived Carbons and Application on Selective Adsorption of Gas-mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 14191-14207	3.9	15
53	Enhanced performance and electrocatalytic kinetics on porous carbon-coated SnS microflowers as efficient LiB battery cathodes. <i>Electrochimica Acta</i> , <b>2020</b> , 343, 136148	6.7	14
52	Down-sizing the crystal size of ZK-5 zeolite for its enhanced CH <sub>4</sub> adsorption and CH <sub>4</sub> /N <sub>2</sub> separation performances. <i>Chemical Engineering Journal</i> , <b>2021</b> , 406, 126599	14.7	14
51	Construction of phosphatized cobalt nickel-LDH nanosheet arrays as binder-free electrode for high-performance battery-like supercapacitor device. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 858, 157652	5.7	14
50	Double-metal cyanide as an acid and hydrogenation catalyst for the highly selective ring-rearrangement of biomass-derived furfuryl alcohol to cyclopentenone compounds. <i>Green Chemistry</i> , <b>2020</b> , 22, 2549-2557	10	13
49	Improved synthesis of trigone trimer cluster metal organic framework MIL-100Al by a later entry of methyl groups. <i>Chemical Communications</i> , <b>2016</b> , 52, 725-8	5.8	12
48	Adsorption Configuration-Determined Selective Hydrogenative Ring Opening and Ring Rearrangement of Furfural over Metal Phosphate. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6406-6415	13.1	12
47	Enhanced electrocatalytic nitrogen reduction activity by incorporation of a carbon layer on SnS microflowers. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 20677-20686	13	11
46	Functionalized Biochar with Superacidity and Hydrophobicity as a Highly Efficient Catalyst in the Synthesis of Renewable High-Density Fuels. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 7785-7794	8.4	11
45	Pyrochlore/Al <sub>2</sub> O <sub>3</sub> composites supported Pd for the selective synthesis of cyclopentanones from biobased furfurals. <i>Applied Catalysis A: General</i> , <b>2021</b> , 612, 117985	5.1	11
44	Agglomerated nickel-cobalt layered double hydroxide nanosheets on reduced graphene oxide clusters as efficient asymmetric supercapacitor electrodes. <i>Journal of Materials Research</i> , <b>2020</b> , 35, 1205-1213	2.5	10
43	Facilely prepared, N, O-codoped nanosheet derived from pre-functionalized polymer as supercapacitor electrodes. <i>Chemical Physics</i> , <b>2018</b> , 506, 17-25	2.3	9
42	Fabrication of dual-hollow heterostructure of NiCoS sphere and nanotubes as advanced electrode for high-performance flexible all-solid-state supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 564, 313-321	9.3	9

41	Separation of propylene and propane with a microporous metal-organic framework via equilibrium-kinetic synergetic effect. <i>AIChE Journal</i> , <b>2021</b> , 67,	3.6	9
40	Novel zeolite/carbon monolith adsorbents for efficient CH <sub>4</sub> /N <sub>2</sub> separation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 130163	14.7	8
39	Efficient Xe/Kr separation on two Metal-Organic frameworks with distinct pore shapes. <i>Separation and Purification Technology</i> , <b>2021</b> , 274, 119132	8.3	7
38	Synthesis of renewable C <sub>4</sub> cyclic compounds and high-density biofuels using 5-hydromethylfurfural as a reactant. <i>Green Chemistry</i> , <b>2020</b> , 22, 2468-2473	10	6
37	Synthesis of a Polyimide Porous Porphyrin Polymer for Selective CO <sub>2</sub> Capture. <i>Journal of Chemistry</i> , <b>2015</b> , 2015, 1-7	2.3	6
36	Facile Preparation of Biomass-Derived Mesoporous Carbons for Highly Efficient and Selective SO <sub>2</sub> Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 14929-14937	3.9	5
35	Graphene oxide-chitosan composite aerogel for adsorption of methyl orange and methylene blue: Effect of pH in single and binary systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 641, 128595	5.1	5
34	Hydrogen-Catalyzed Acid Transformation for the Hydration of Alkenes and Epoxy Alkanes over Co-N Frustrated Lewis Pair Surfaces. <i>Journal of the American Chemical Society</i> , <b>2021</b> ,	16.4	5
33	Novel p- and n-type S-scheme Heterojunction Photocatalyst for Boosted CO <sub>2</sub> Photoreduction Activity. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 121587	21.8	5
32	Modulation of Surface Properties on Cobalt Phosphide for High-performance Ambient Ammonia Electrosynthesis. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 120874	21.8	4
31	Robust Ultramicroporous Metal-Organic Framework with Rich Hydroxyl-Decorated Channel Walls for Highly Selective Noble Gas Separation. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 4018-4023	2.8	4
30	Ultramicroporous carbon granules with narrow pore size distribution for efficient CH <sub>4</sub> separation from coal-bed gases. <i>AIChE Journal</i> , <b>2021</b> , 67, e17281	3.6	4
29	Highly Controllable Hydrogenative Ring Rearrangement and Complete Hydrogenation Of Biobased Furfurals over Pd/La <sub>2</sub> B <sub>2</sub> O <sub>7</sub> (B=Ti, Zr, Ce). <i>ChemCatChem</i> ,	5.2	4
28	Construction of porous NiCo <sub>2</sub> S <sub>4</sub> hierarchical nanoflakes based on zeolitic imidazolate frameworks as battery-type electrodes for high performance supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 47, 103583	7.8	3
27	A Stable Zn-Based Metal-Organic Framework as an Efficient Catalyst for Carbon Dioxide Cycloaddition and Alcoholysis at Mild Conditions. <i>Catalysis Letters</i> , <b>2020</b> , 150, 1408-1417	2.8	3
26	Lauric Triglyceride Ameliorates High-Fat-Diet-Induced Obesity in Rats by Reducing Lipogenesis and Increasing Lipolysis and $\beta$ Oxidation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 9157-9166	5.7	3
25	Boosting electrochemical CO <sub>2</sub> reduction on ternary heteroatoms-doped porous carbon. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 131661	14.7	3
24	Water-mediated hydrogen spillover accelerates hydrogenative ring-rearrangement of furfurals to cyclic compounds. <i>Journal of Catalysis</i> , <b>2022</b> , 405, 363-372	7.3	2

23	Structure modulation and properties of NiCo <sub>2</sub> O <sub>4</sub> nanothorn electrode materials prepared by a self-sacrificial template method. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 895, 162596	5.7	2
22	Preparation of Hydrophobic Acidic Metal-Organic Frameworks and Their Application for 5-Hydroxymethylfurfural Synthesis. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 22068-22078	3.9	2
21	High Dietary Intervention of Lauric Triglyceride Might be Harmful to Its Improvement of Cholesterol Metabolism in Obese Rats. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 4453-4463	5.7	2
20	Selective Synthesis of Bioderived Dibenzofurans and Bicycloalkanes from a Cellulose-Based Route. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 6748-6755	8.3	2
19	Chemical immobilization of amino acids into robust metal-organic framework for efficient SO <sub>2</sub> removal. <i>AIChE Journal</i> , <b>2021</b> , 67, e17300	3.6	2
18	MOF-Encapsulating Metal-Acid Interfaces for Efficient Catalytic Hydrogenolysis of Biomass-Derived Aromatic Aldehydes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 11127-11136	8.3	2
17	Metal-Organic Framework and Hydrogel Based Strategy as a Universal First-Aid Treatment of Three Different Typical Snake Bites. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 6265-6273	5.5	1
16	Promoted hydrogenolysis of furan aldehydes to dimethylfuran by a defect engineering on Pd/NiCo <sub>2</sub> O <sub>4</sub> .. <i>ChemSusChem</i> , <b>2022</b> ,	8.3	1
15	Interface engineering of metal phosphide on hollow carbons by Dual-template method for High-performance Lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 433, 133549	14.7	1
14	Synergistic engineering of fluorine doping and oxygen vacancies towards high-energy and long-lifespan flexible solid-state asymmetric supercapacitor. <i>Ionics</i> , <b>2021</b> , 27, 2649-2658	2.7	1
13	Nickel Nanoparticles with Narrow Size Distribution Confined in Nitrogen-Doped Carbon for Efficient Reduction of CO <sub>2</sub> to CO. <i>Catalysis Letters</i> ,1	2.8	1
12	Kinetic Molecular Sieving of Cyclopentane/Neohexane Mixtures by the MFI Zeolite with Intersecting 10-Ring Channels. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 13293-13300	3.9	1
11	Synthesis of palm sheath derived-porous carbon for selective CO adsorption.. <i>RSC Advances</i> , <b>2022</b> , 12, 8592-8599	3.7	1
10	Control of intracrystalline diffusion in a bilayered metal-organic framework for efficient kinetic separation of propylene from propane. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134784	14.7	0
9	Synergistic effect of NiCo alloy and NiCoS integrated with N doped carbon for superior rate and ultralong-lifespan lithium sulfur batteries. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 905, 164175	5.7	0
8	Rational design and synthesis of multi-shelled NiCo <sub>2</sub> S <sub>4</sub> hollow microspheres for high performance supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 44, 103407	7.8	0
7	Two novel 4,6-connected anion-pillared metal-organic frameworks for simultaneous separation of C <sub>3</sub> and C <sub>4</sub> olefins. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2022</b> , 172, 108768	3.7	0
6	Low temperature synthesis of nitrogen-rich biomass for high-performance removal of phosphate. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107000	6.8	0

5	High-energy all-in-one micro-supercapacitors based on ZnO mesoporous nanosheet-decorated laser-induced porous graphene foams. <i>Journal of Materials Research</i> , <b>2021</b> , 36, 1927-1936	2.5	o
4	Delicate Tuning of the Ni/Co Ratio in Bimetal Layered Double Hydroxides for Efficient N Electroreduction.. <i>ChemSusChem</i> , <b>2022</b> , e202200127	8.3	o
3	Controlled Synthesis of Dibenzotriol and Diquinone from 1,2,4-Benzenetriol by Catalytic Aerobic Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 3255-3263	8.3	o
2	Pillared-layer ultramicroporous material for highly selective SO <sub>2</sub> capture from CO <sub>2</sub> mixtures. <i>Separation and Purification Technology</i> , <b>2022</b> , 295, 121337	8.3	o
1	Responsive Porous Material for Discrimination and Selective Capture of Low-Concentration SO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 5936-5941	3.9	