

# Jun Wang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/84303/jun-wang-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	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
111	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
110	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
109	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
108	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
107	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
106	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
105	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
104	Synthesis of palm sheath derived-porous carbon for selective CO adsorption.. <i>RSC Advances</i> , <b>2022</b> , 12, 8592-8599	3.7	1
103	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	0
102	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	0
101	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
100	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	
99	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
98	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	0
97	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
96	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

95	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
94	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
93	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
92	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
91	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
90	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
89	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
88	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
87	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	0
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	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

77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	Synthesis of renewable C <sub>5</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
64	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
63	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
62	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
61	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
60	Enhanced performance and electrocatalytic kinetics on porous carbon-coated SnS microflowers as efficient LiS battery cathodes. <i>Electrochimica Acta</i> , <b>2020</b> , 343, 136148	6.7	14

59	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
58	Multifunctional LDH/Co9S8 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
57	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	2.8	2
56	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
55	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
54	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
53	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
52	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
51	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
50	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
49	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
48	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
47	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	8.2	11
46	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
45	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
44	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
43	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
42	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

41	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
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	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
32	Sulfonic acid functionalized hydrophobic mesoporous biochar: Design, preparation and acid-catalytic properties. <i>Fuel</i> , <b>2019</b> , 240, 270-277	7.1	30
31	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
30	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
29	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
28	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
27	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
26	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
25	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
24	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

23	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
22	Ambient ammonia synthesis via palladium-catalyzed electrohydrogenation of dinitrogen at low overpotential. <i>Nature Communications</i> , <b>2018</b> , 9, 1795	17.4	456
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	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
6	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

5	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
4	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
3	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
2	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
1	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