Bao-Hang Han

List of Publications by Citations

200 papers	11,847 citations	54 h-index	103 g-index
211 ext. papers	13,268 ext. citations	7.8 avg, IF	6.87 L-index

#	Paper	IF	Citations
200	Hierarchical nanocomposites of polyaniline nanowire arrays on graphene oxide sheets with synergistic effect for energy storage. *ACS Nano*, **2010**, 4, 5019-26	16.7	1190
199	Cyclodextrin rotaxanes and polyrotaxanes. *Chemical Reviews*, **2006**, 106, 782-817	68.1	1146
198	Microporous polycarbazole with high specific surface area for gas storage and separation. *Journal of the American Chemical Society*, **2012**, 134, 6084-7	16.4	580
197	Aqueous Dispersion of Graphene Sheets Stabilized by Pluronic Copolymers: Formation of Supramolecular Hydrogel. *Journal of Physical Chemistry C*, **2009**, 113, 13651-13657	3.8	378
196	Preparation of three-dimensional graphene oxide-polyethylenimine porous materials as dye and gas adsorbents. *ACS Applied Materials & Interfaces*, **2013**, 5, 9172-9	9.5	334
195	Simple synthesis route to monodispersed SBA-15 silica rods. *Journal of the American Chemical Society*, **2004**, 126, 14348-9	16.4	316
194	Nitrogen-doped graphene aerogels as efficient supercapacitor electrodes and gas adsorbents. *ACS Applied Materials & Interfaces*, **2015**, 7, 1431-8	9.5	312
193	The effect of interlayer adhesion on the mechanical behaviors of macroscopic graphene oxide papers. *ACS Nano*, **2011**, 5, 2134-41	16.7	287
192	Metallophthalocyanine-based conjugated microporous polymers as highly efficient photosensitizers for singlet oxygen generation. *Angewandte Chemie - International Edition*, **2015**, 54, 6536-9	16.4	174
191	Graphene-Based Nanoporous Materials Assembled by Mediation of Polyoxometalate Nanoparticles. *Advanced Functional Materials*, **2010**, 20, 2717-2722	15.6	169
190	A general and scalable synthesis approach to porous graphene. *Nature Communications*, **2014**, 5, 4716	17.4	158
189	A hierarchically structured graphene foam and its potential as a large-scale strain-gauge sensor. *Nanoscale*, **2013**, 5, 12171-7	7.7	158
188	Glucosamine hydrochloride functionalized tetraphenylethylene: a novel fluorescent probe for alkaline phosphatase based on the aggregation-induced emission. *Chemical Communications*, **2010**, 46, 4067-9	5.8	148
187	Tetraphenylethylene-based fluorescent porous organic polymers: preparation, gas sorption properties and photoluminescence properties. *Journal of Materials Chemistry*, **2011**, 21, 13554		144
186	Molecular Recognition and Complexation Thermodynamics of Dye Guest Molecules by Modified Cyclodextrins and Calixarenesulfonates. *Journal of Physical Chemistry B*, **2002**, 106, 4678-4687	3.4	142
185	High surface area porous carbons produced by steam activation of graphene aerogels. *Journal of Materials Chemistry A*, **2014**, 2, 9891	13	134
184	Direct preparation of nanoporous carbon by nanocasting. *Journal of the American Chemical Society*, **2003**, 125, 3444-5	16.4	131

183	Nitrogen-containing microporous conjugated polymers via carbazole-based oxidative coupling polymerization: preparation, porosity, and gas uptake. *Small*, **2014**, 10, 308-15	11	129
182	Inorganic□rganic hybrid porous materials based on graphite oxide sheets. *Carbon*, **2009**, 47, 2993-3000	10.4	123
181	Solvothermal synthesis of homogeneous graphene dispersion with high concentration. *Carbon*, **2011**, 49, 3920-3927	10.4	109
180	High mechanical performance of layered graphene oxide/poly(vinyl alcohol) nanocomposite films. *Small*, **2013**, 9, 2466-72	11	107
179	Preparation and adsorption performance of cross-linked porous polycarbazoles. *Journal of Materials Chemistry A*, **2014**, 2, 16181-16189	13	104
178	Porous Organic Polymers Based on Propeller-Like Hexaphenylbenzene Building Units. *Macromolecules*, **2011**, 44, 5573-5577	5.5	104
177	Porous Azo-Bridged Porphyrin-Phthalocyanine Network with High Iodine Capture Capability. *Chemistry - A European Journal*, **2016**, 22, 11863-8	4.8	100
176	Mesoporous Conjugated Polycarbazole with High Porosity via Structure Tuning. *Macromolecules*, **2014**, 47, 5926-5931	5.5	98
175	Oxygen Sensors Based on Mesoporous Silica Particles on Layer-by-Layer Self-assembled Films. *Chemistry of Materials*, **2005**, 17, 3160-3171	9.6	96
174	Molecular Recognition Study on Supramolecular Systems. 20. Molecular Recognition and Enantioselectivity of Aliphatic Alcohols by L-Tryptophan-Modified beta-Cyclodextrin. *Journal of Organic Chemistry*, **1999**, 64, 1487-1493	4.2	95
173	Emerging applications of porous organic polymers in visible-light photocatalysis. *Journal of Materials Chemistry A*, **2020**, 8, 7003-7034	13	94
172	Manganese dioxide-anchored three-dimensional nitrogen-doped graphene hybrid aerogels as excellent anode materials for lithium ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 10403-10412	13	84
171	Biomass-derived flexible porous carbon materials and their applications in supercapacitor and gas adsorption. *Materials and Design*, **2017**, 129, 164-172	8.1	83
170	Electric current induced reduction of graphene oxide and its application as gap electrodes in organic photoswitching devices. *Advanced Materials*, **2010**, 22, 5008-12	24	81
169	Supramolecular self-assembly induced graphene oxide based hydrogels and organogels. *Langmuir*, **2012**, 28, 3005-10	4	80
168	A highly nitrogen-doped porous graphene □n anode material for lithium ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 18229-18237	13	79
167	Sodium Storage and Electrode Dynamics of Tin□Carbon Composite Electrodes from Bulk Precursors for Sodium-Ion Batteries. *Advanced Functional Materials*, **2019**, 29, 1900790	15.6	76
166	Rhenium-Metalated Polypyridine-Based Porous Polycarbazoles for Visible-Light CO2 Photoreduction. *ACS Catalysis*, **2019**, 9, 3959-3968	13.1	76

165	Fluorinated Porous Organic Polymers via Direct C-H Arylation Polycondensation.. *ACS Macro Letters* , **2013**, 2, 522-526	6.6	75
164	Hypercrosslinked porous polycarbazoles via one-step oxidative coupling reaction and Friedel□rafts alkylation. *Polymer Chemistry*, **2015**, 6, 2478-2487	4.9	74
163	Preparation and characterization of triptycene-based microporous poly(benzimidazole) networks. *Journal of Materials Chemistry*, **2012**, 22, 11509		73
162	Molecular Recognition Study on Supramolecular System. 14.1 Synthesis of Modified Cyclodextrins and Their Inclusion Complexation Thermodynamics with l-Tryptophan and Some Naphthalene Derivatives. *Journal of Organic Chemistry*, **1998**, 63, 1444-1454	4.2	73
161	Spiro(fluorene-9,9?-xanthene)-Based Porous Organic Polymers: Preparation, Porosity, and Exceptional Hydrogen Uptake at Low Pressure. *Macromolecules*, **2011**, 44, 7987-7993	5.5	72
160	Sugar-bearing tetraphenylethylene: novel fluorescent probe for studies of carbohydrate-protein interaction based on aggregation-induced emission. *Organic and Biomolecular Chemistry*, **2011**, 9, 2219-26	3.9	71
159	Cationic Polycarbazole Networks as Visible-Light Heterogeneous Photocatalysts for Oxidative Organic Transformations. *ACS Catalysis*, **2018**, 8, 5313-5322	13.1	70
158	Inclusion complexation of acridine red dye by calixarenesulfonates and cyclodextrins: opposite fluorescent behavior. *Journal of Organic Chemistry*, **2000**, 65, 6227-30	4.2	70
157	Adsorption performance and catalytic activity of porous conjugated polyporphyrins via carbazole-based oxidative coupling polymerization. *Polymer Chemistry*, **2014**, 5, 3081-3088	4.9	68
156	Spectroscopic Studies on Molecular Recognition of Modified Cyclodextrins. *Current Organic Chemistry*, **2004**, 8, 35-46	1.7	68
155	Zwitterionic Covalent Organic Frameworks as Catalysts for Hierarchical Reduction of CO with Amine and Hydrosilane. *ACS Applied Materials & Interfaces*, **2018**, 10, 41350-41358	9.5	66
154	Effect of surface chemistry and textural properties on carbon dioxide uptake in hydrothermally reduced graphene oxide. *Carbon*, **2015**, 82, 590-598	10.4	62
153	One-step preparation of fluorescent inorganic□organic hybrid material used for explosive sensing. *Polymer Chemistry*, **2011**, 2, 1124-1128	4.9	62
152	Graphene oxide□ripolyphosphate hybrid used as a potent sorbent for cationic dyes. *Carbon*, **2014**, 79, 174-182	10.4	60
151	Conjugated Microporous Polymers with Extended □Structures for Organic Vapor Adsorption. *Macromolecules*, **2018**, 51, 947-953	5.5	58
150	Defective 2D Covalent Organic Frameworks for Postfunctionalization. *Advanced Functional Materials*, **2020**, 30, 1909267	15.6	56
149	Metal complex hybrid composites based on fullerene-bearing porous polycarbazole for H2, CO2 and CH4 uptake and heterogeneous hydrogenation catalysis. *Polymer*, **2019**, 169, 255-262	3.9	55
148	Tetraphenylethylene-based glycoconjugate as a fluorescence "turn-on" sensor for cholera toxin. *Chemistry - an Asian Journal*, **2011**, 6, 2376-81	4.5	55

147	Conjugated microporous polycarbazole containing tris(2-phenylpyridine)iridium(III) complexes: phosphorescence, porosity, and heterogeneous organic photocatalysis. *Polymer Chemistry*, **2016**, 7, 2299-2307	4.9	54
146	Application of polyoxometalate derivatives in rechargeable batteries. *Journal of Materials Chemistry A*, **2020**, 8, 4593-4628	13	52
145	Metal-Organic Framework-Derived Metal Oxide Embedded in Nitrogen-Doped Graphene Network for High-Performance Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 43171-43178	9.5	50
144	Nitrogen-doped and nanostructured carbons with high surface area for enhanced oxygen reduction reaction. *Carbon*, **2018**, 126, 111-118	10.4	48
143	Straightforward synthesis of a triazine-based porous carbon with high gas-uptake capacities. *Journal of Materials Chemistry A*, **2014**, 2, 14201	13	48
142	Cyclodextrin-Based Pseudopolyrotaxanes as Templates for the Generation of Porous Silica Materials. *Chemistry of Materials*, **2002**, 14, 3477-3485	9.6	47
141	Human hair-derived nitrogen and sulfur co-doped porous carbon materials for gas adsorption. *RSC Advances*, **2015**, 5, 73980-73988	3.7	46
140	Microporous Polycarbazole Materials: From Preparation and Properties to Applications. *Macromolecular Rapid Communications*, **2018**, 39, e1800040	4.8	45
139	Graphene-based hybrid materials and their applications in energy storage and conversion. *Science Bulletin*, **2012**, 57, 2983-2994		45
138	Thionyl Chloride-Catalyzed Preparation of Microporous Organic Polymers through Aldol Condensation. *Macromolecules*, **2011**, 44, 6382-6388	5.5	45
137	Facile approach to preparing microporous organic polymers through benzoin condensation. *ACS Applied Materials & Interfaces*, **2012**, 4, 6975-81	9.5	44
136	Cyclodextrin-based Porous Silica Materials as in Situ Chemical Nanoreactors for the Preparation of Variable Metal Silica Hybrids. *Chemistry of Materials*, **2001**, 13, 3915-3919	9.6	44
135	Cationic covalent organic framework based all-solid-state electrolytes. *Materials Chemistry Frontiers*, **2020**, 4, 1164-1173	7.8	42
134	Graphene-manganese oxide hybrid porous material and its application in carbon dioxide adsorption. *Science Bulletin*, **2012**, 57, 3059-3064		42
133	Graphene oxide-based benzimidazole-crosslinked networks for high-performance supercapacitors. *Nanoscale*, **2013**, 5, 8367-74	7.7	41
132	Polyaniline-derived hierarchically porous nitrogen-doped carbons as gas adsorbents for carbon dioxide uptake. *Microporous and Mesoporous Materials*, **2018**, 257, 85-91	5.3	41
131	Graphene terpyridine complex hybrid porous material for carbon dioxide adsorption. *Carbon*, **2014**, 66, 592-598	10.4	40
130	Investigating the Electrocatalysis of a TiC/Carbon Hybrid in Polysulfide Conversion of Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 13904-13913	9.5	37

129	All-thiophene-based conjugated porous organic polymers. *Polymer Chemistry*, **2016**, 7, 5031-5038	4.9	37
128	Fluorescent conjugated polyfluorene with pendant lactopyranosyl ligands for studies of Ca(2+)-mediated carbohydrate-carbohydrate interaction. *Biomacromolecules*, **2010**, 11, 13-9	6.9	37
127	Soft templating synthesis of nitrogen-doped porous hydrothermal carbons and their applications in carbon dioxide and hydrogen adsorption. *Microporous and Mesoporous Materials*, **2016**, 220, 129-135	5.3	36
126	Nitrogen-Doped Porous Carbons Derived from Polypyrrole-Based Aerogels for Gas Uptake and Supercapacitors. *ACS Applied Nano Materials*, **2018**, 1, 609-616	5.6	36
125	Structural and Dimensional Transformations between Covalent Organic Frameworks via Linker Exchange. *Macromolecules*, **2019**, 52, 1257-1265	5.5	35
124	Base-assisted one-pot synthesis of N,N',N"-triaryltriazatriangulenium dyes: enhanced fluorescence efficiency by steric constraints. *Journal of Organic Chemistry*, **2012**, 77, 5606-12	4.2	34
123	Solvent effects and driving forces in pillararene inclusion complexes. *Journal of Physical Chemistry B* , **2015**, 119, 6711-20	3.4	33
122	Evaluation of an Imidazolium-Based Porous Organic Polymer as Radioactive Waste Scavenger. *Environmental Science & Technology*, **2020**, 54, 216-224	10.3	33
121	Porphyrin- and phthalocyanine-based porous organic polymers: From synthesis to application. *Coordination Chemistry Reviews*, **2021**, 439, 213875	23.2	33
120	Nickel embedded in N-doped porous carbon for the hydrogenation of nitrobenzene to p-aminophenol in sulphuric acid. *Chemical Communications*, **2015**, 51, 17712-5	5.8	31
119	Advanced porous graphene materials: from in-plane pore generation to energy storage applications. *Journal of Materials Chemistry A*, **2020**, 8, 6125-6143	13	31
118	Metallophthalocyanine-Based Conjugated Microporous Polymers as Highly Efficient Photosensitizers for Singlet Oxygen Generation. *Angewandte Chemie*, **2015**, 127, 6636-6639	3.6	31
117	Mannitol-based acetal-linked porous organic polymers for selective capture of carbon dioxide over methane. *Polymer Chemistry*, **2015**, 6, 5305-5312	4.9	31
116	One-step solvothermal synthesis of an iron oxide–graphene magnetic hybrid material with high porosity. *Microporous and Mesoporous Materials*, **2013**, 165, 234-239	5.3	31
115	Imidazole-bearing tetraphenylethylene: fluorescent probe for metal ions based on AIE feature. *New Journal of Chemistry*, **2011**, 35, 1667	3.6	31
114	Triazatriangulenium-based porous organic polymers for carbon dioxide capture. *RSC Advances*, **2015**, 5, 90135-90143	3.7	30
113	A Hierarchically Porous Hypercrosslinked and Novel Quinone based Stable Organic Polymer Electrode for Lithium-Ion Batteries. *Electrochimica Acta*, **2017**, 255, 145-152	6.7	30
112	Water-soluble conjugated polyelectrolyte with pendant glycocluster: Synthesis and its interaction with heparin. *Polymer*, **2011**, 52, 383-390	3.9	30

111	A cationic porous organic polymer for high-capacity, fast, and selective capture of anionic pollutants. *Journal of Hazardous Materials*, **2019**, 367, 348-355	12.8	30
110	Towards porous silica materials via nanocasting of stable pseudopolyrotaxanes from cyclodextrin and polyamines. *Microporous and Mesoporous Materials*, **2003**, 66, 127-132	5.3	29
109	The complexation thermodynamics of light lanthanides by crown ethers. *Coordination Chemistry Reviews*, **2000**, 200-202, 53-73	23.2	29
108	Copper phthalocyanine-based CMPs with various internal structures and functionalities. *Chemical Communications*, **2015**, 51, 12783-6	5.8	28
107	Sonochemical Synthesis of Graphene Oxide-Wrapped Gold Nanoparticles Hybrid Materials: Visible Light Photocatalytic Activity. *Chinese Journal of Chemistry*, **2015**, 33, 119-124	4.9	28
106	Microporous organic polymers with acetal linkages: synthesis, characterization, and gas sorption properties. *Polymer Chemistry*, **2014**, 5, 614-621	4.9	28
105	Porous Polybenzimidazoles via Template-Free Suzuki Coupling Polymerization: Preparation, Porosity, and Heterogeneous Catalytic Activity in Knoevenagel Condensation Reactions. *Macromolecular Chemistry and Physics*, **2012**, 213, 1575-1581	2.6	28
104	Templated patterning of graphene oxide using self-assembled monolayers. *Carbon*, **2012**, 50, 1083-1089	10.4	28
103	Triphenylamine-based fluorescent conjugated copolymers with pendant terpyridyl ligands as chemosensors for metal ions. *Journal of Polymer Science Part A*, **2010**, 48, 1310-1316	2.5	28
102	Graphene-molybdenum oxynitride porous material with improved cyclic stability and rate capability for rechargeable lithium ion batteries. *Physical Chemistry Chemical Physics*, **2013**, 15, 16898-906	3.6	27
101	Ultrafine SnO nanoparticles anchored on N, P-doped porous carbon as anodes for high performance lithium-ion and sodium-ion batteries. *Journal of Colloid and Interface Science*, **2020**, 572, 122-132	9.3	26
100	Conjugated Microporous Polymers with Dense Sulfonic Acid Groups as Efficient Proton Conductors. *Langmuir*, **2018**, 34, 7640-7646	4	26
99	Poly(acrylic acid) brushes pattern as a 3D functional biosensor surface for microchips. *Applied Surface Science*, **2013**, 266, 313-318	6.7	26
98	Effect of Porosity Parameters and Surface Chemistry on Carbon Dioxide Adsorption in Sulfur-Doped Porous Carbons. *Langmuir*, **2018**, 34, 6358-6366	4	25
97	Sugar-functionalized water-soluble cyclotriveratrylene derivatives: preparation and interaction with fullerene. *Journal of Organic Chemistry*, **2012**, 77, 971-6	4.2	25
96	Prepolymerization and postpolymerization functionalization approaches to fluorescent conjugated carbazole-based glycopolymers via click chemistry. *Journal of Polymer Science Part A*, **2009**, 47, 2948-2957	2.5	25
95	Spatially controllable DNA condensation by a water-soluble supramolecular hybrid of single-walled carbon nanotubes and beta-cyclodextrin-tethered ruthenium complexes. *Chemistry - A European Journal*, **2010**, 16, 1168-74	4.8	25
94	Enantioselective recognition of amino acids by cyclodextrin6-O-monophosphates1. *Journal of the Chemical Society Perkin Transactions II*, **1997**, 1275-1278		25

93	Nitrogen-doped carbon aerogels with high surface area for supercapacitors and gas adsorption. *Materials Today Communications*, **2018**, 16, 1-7	2.5	24
92	One-step solvothermal carbonization to microporous carbon materials derived from cyclodextrins. *Journal of Materials Chemistry A*, **2013**, 1, 9456	13	24
91	Glucosamine hydrochloride functionalized water-soluble conjugated polyfluorene: synthesis, characterization, and interactions with DNA. *Macromolecular Rapid Communications*, **2009**, 30, 1651-5	4.8	24
90	Luminescence Quenching of Dyes by Oxygen in Core□Shell Soft-Sphere Ionic Liquids. *Chemistry of Materials*, **2005**, 17, 4001-4009	9.6	24
89	Hollow N-doped Carbon Polyhedrons with Hierarchically Porous Shell for Confinement of Polysulfides in Lithium-Sulfur Batteries. *IScience*, **2019**, 13, 243-253	6.1	23
88	Microporous spiro-centered poly(benzimidazole) networks: preparation, characterization, and gas sorption properties. *Polymer Chemistry*, **2015**, 6, 748-753	4.9	23
87	Molecular Recognition Study of a Supramolecular System. *Bioorganic Chemistry*, **1997**, 25, 155-162	5.1	23
86	Ionic porous organic polymers for CO2 capture and conversion. *Current Opinion in Green and Sustainable Chemistry*, **2019**, 16, 20-25	7.9	23
85	N-doped graphitic carbon shell-encapsulated FeCo alloy derived from metal-polyphenol network and melamine sponge for oxygen reduction, oxygen evolution, and hydrogen evolution reactions in alkaline media. *Journal of Colloid and Interface Science*, **2021**, 581, 362-373	9.3	23
84	Porous Nitrogen-Doped Carbon Nanoribbons for High-Performance Gas Adsorbents and Lithium Ion Batteries. *Industrial & Engineering Chemistry Research*, **2016**, 55, 6384-6390	3.9	22
83	Nanostructured porous carbons derived from nitrogen-doped graphene nanoribbon aerogels for lithium-sulfur batteries. *Journal of Colloid and Interface Science*, **2019**, 541, 204-212	9.3	22
82	Fluorinated Porous Conjugated Polyporphyrins through Direct C-H Arylation Polycondensation: Preparation, Porosity, and Use as Heterogeneous Catalysts for Baeyer-Villiger Oxidation. *Chemistry - A European Journal*, **2017**, 23, 9831-9837	4.8	21
81	A N, P Dual-Doped Carbon with High Porosity as an Advanced Metal-Free Oxygen Reduction Catalyst. *Advanced Materials Interfaces*, **2019**, 6, 1900592	4.6	21
80	Iminodiacetic acid-functionalized porous polymer for removal of toxic metal ions from water. *Journal of Hazardous Materials*, **2020**, 400, 123188	12.8	21
79	Direct synthesis of ordered mesoporous hydrothermal carbon materials via a modified soft-templating method. *Microporous and Mesoporous Materials*, **2017**, 253, 215-222	5.3	21
78	Preparation of mannitol-based ketal-linked porous organic polymers and their application for selective capture of carbon dioxide. *Polymer*, **2016**, 89, 112-118	3.9	20
77	Synergetic contribution of nitrogen and fluorine species in porous carbons as metal-free and bifunctional oxygen electrocatalysts for zinc□air batteries. *Applied Catalysis B: Environmental*, **2021**, 297, 120448	21.8	20
76	Nitrogen-doped graphene aerogel as both a sulfur host and an effective interlayer for high-performance lithium-sulfur batteries. *Nanotechnology*, **2017**, 28, 495701	3.4	19

75	Synthesis of Conjugated Microporous Polymers through Cationic Cyclization Polymerization. *Macromolecules*, **2019**, 52, 3935-3941	5.5	19
74	Microporous organic polymers with ketal linkages: synthesis, characterization, and gas sorption properties. *ACS Applied Materials & Interfaces*, **2013**, 5, 4166-72	9.5	19
73	Triphenylamine-based fluorescent conjugated glycopolymers: Synthesis, characterization and interactions with lectins. *Polymer*, **2009**, 50, 2830-2835	3.9	19
72	Complexation Thermodynamics of Crown Ethers. 6.1,2 Calorimetric Titration of Cation Complexation with Some Azacrown Ethers. *Journal of Organic Chemistry*, **1998**, 63, 2144-2147	4.2	19
71	Porous organic polymers for electrocatalysis.. *Chemical Society Reviews*, **2022**,	58.5	19
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69	Thiophene-based conjugated microporous polymers: synthesis, characterization and efficient gas storage. *Science China Chemistry*, **2017**, 60, 1067-1074	7.9	18
68	Supramolecular surface modification and solubilization of single-walled carbon nanotubes with cyclodextrin complexation. *Chemistry - an Asian Journal*, **2009**, 4, 1562-72	4.5	17
67	Phosphorescence quenching of dyes adsorbed to silica thin-layer chromatography plates. *Analytical Chemistry*, **2005**, 77, 8075-85	7.8	17
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65	Molecular Design of Crown Ethers. 13. Complexation Thermodynamics of Light Lanthanoid Nitrates with Aza-16-Crown-5 Lariat in Acetonitrile:□Enhanced Selectivity for Nd3+□ *The Journal of Physical Chemistry*, **1996**, 100, 17361-17364		17
64	Guiding Uniformly Distributed Li-Ion Flux by Lithiophilic Covalent Organic Framework Interlayers for High-Performance Lithium Metal Anodes. *ACS Applied Materials & Interfaces*, **2021**, 13, 22586-22596	9.5	17
63	Preparation and characterization of a composite hydrogel with graphene oxide as an acid catalyst. *Soft Matter*, **2015**, 11, 3215-21	3.6	16
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61	Microporous polymeric microsphere via surfactant-free Suzuki coupling polymerization in a single-phase: Porosity and gas uptake. *Polymer*, **2012**, 53, 2032-2037	3.9	16
60	Synthesis of porous polymer/tissue paper hybrid membranes for switchable oil/water separation. *Scientific Reports*, **2017**, 7, 3101	4.9	16
59	Molecular recognition study on supramolecular systems. Part 19.□Circular dichroism studies of inclusion complexation of aliphatic alcohols by organoselenium modified □cyclodextrins. *Journal of the Chemical Society Perkin Transactions II*, **1999**, 563-568		16
58	Gold nanoparticles encapsulated in hierarchical porous polycarbazole: preparation and application in catalytic reduction. *RSC Advances*, **2016**, 6, 48543-48549	3.7	16

57	SPRi determination of inter-peptide interaction by using 3D supramolecular co-assembly polyrotaxane film. *Biosensors and Bioelectronics*, **2015**, 66, 338-44	11.8	15
56	Recent Advance in Organic Porous Polycarbazoles: Preparation and Properties. *Acta Chimica Sinica*, **2015**, 73, 541	3.3	15
55	Exfoliated covalent organic framework nanosheets. *Journal of Materials Chemistry A*, **2021**, 9, 7336-7365	13	15
54	Benzimidazole-Linked Porous Polymers: Synthesis and Gas Sorption Properties. *Chinese Journal of Chemistry*, **2015**, 33, 131-136	4.9	14
53	Preparation and gas uptake of microporous organic polymers based on binaphthalene-containing spirocyclic tetraether. *Polymer*, **2013**, 54, 2952-2957	3.9	14
52	Supramolecular organic network assembled from quadruple hydrogen-bonding motifs. *Chemical Communications*, **2016**, 52, 6597-600	5.8	14
51	Preparation of hierarchically porous sulfur- and oxygen-co-doped carbon for gas uptake and lithium-ion battery. *Microporous and Mesoporous Materials*, **2018**, 264, 118-124	5.3	13
50	Facile synthesis of hierarchical triazine-based porous carbons for hydrogen storage. *Microporous and Mesoporous Materials*, **2016**, 224, 129-134	5.3	13
49	In situ cyclodextrin-based homogeneous incorporation of metal (M = Pd, Pt, Ru) nanoparticles into silica with bimodal pore structure. *Chemical Communications*, **2003**, 262-3	5.8	13
48	Sugar-functionalized water-soluble pillar[5]arene and its host–guest interaction with fullerene. *RSC Advances*, **2015**, 5, 19041-19047	3.7	12
47	Porous Organic Polymers for Photocatalytic Carbon Dioxide Reduction. *ChemPhotoChem*, **2021**, 5, 406-417	3.3	12
46	Tin-Containing Graphite for Sodium-Ion Batteries and Hybrid Capacitors. *Batteries and Supercaps*, **2021**, 4, 173-182	5.6	12
45	Hydrophobic Fluorous Metal–Organic Framework Nanoadsorbent for Removal of Hazardous Wastes from Water. *ACS Applied Nano Materials*, **2021**, 4, 1576-1585	5.6	12
44	Synthesis of Core-Shell Structured Porous Nitrogen-Doped Carbon@Silica Material via a Sol-Gel Method. *Langmuir*, **2017**, 33, 6038-6045	4	11
43	Three-dimensional Covalent Organic Frameworks as Host Materials for Lithium-Sulfur Batteries. *Chinese Journal of Polymer Science (English Edition)*, **2020**, 38, 550-557	3.5	11
42	Supramolecular modification of single-walled carbon nanotubes with a water-soluble triptycene derivative. *Carbon*, **2011**, 49, 5339-5347	10.4	11
41	Characterizing the Quenching Process for Phosphorescent Dyes in Poly[((n-butylamino)thionyl)phosphazene] Films. *Journal of Physical Chemistry B*, **2003**, 107, 13349-13356	3.4	11
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38	Crumpled nitrogen-doped aerogels derived from MXene and pyrrole-formaldehyde as modified separators for stable lithium-sulfur batteries. *Applied Surface Science*, **2021**, 555, 149717	6.7	11
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