Bien Tan

List of Publications by Year
in descending order

181	14,192	18465 62	22147 113
papers	citations	h-index	g-index

187	187	187	11493
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hypercrosslinked porous polymer materials: design, synthesis, and applications. Chemical Society Reviews, 2017, 46, 3322-3356.	18.7	938
2	Hydrogen Storage in Microporous Hypercrosslinked Organic Polymer Networks. Chemistry of Materials, 2007, 19, 2034-2048.	3.2	618
3	A New Strategy to Microporous Polymers: Knitting Rigid Aromatic Building Blocks by External Cross-Linker. Macromolecules, 2011, 44, 2410-2414.	2.2	530
4	Covalent Triazine Frameworks via a Lowâ€Temperature Polycondensation Approach. Angewandte Chemie - International Edition, 2017, 56, 14149-14153.	7.2	441
5	Covalent triazine frameworks: synthesis and applications. Journal of Materials Chemistry A, 2019, 7, 5153-5172.	5.2	433
6	Hypercrosslinked Aromatic Heterocyclic Microporous Polymers: A New Class of Highly Selective CO₂ Capturing Materials. Advanced Materials, 2012, 24, 5703-5707.	11.1	424
7	Recent Development of Hypercrosslinked Microporous Organic Polymers. Macromolecular Rapid Communications, 2013, 34, 471-484.	2.0	360
8	Microporous Organic Polymers for Methane Storage. Advanced Materials, 2008, 20, 1916-1921.	11.1	351
9	Size-Controlled Synthesis of Near-Monodisperse Gold Nanoparticles in the 1â^'4 nm Range Using Polymeric Stabilizers. Journal of the American Chemical Society, 2005, 127, 16398-16399.	6.6	331
10	Highly Dispersed Pd Catalyst Locked in Knitting Aryl Network Polymers for Suzukiâ€“Miyaura Coupling Reactions of Aryl Chlorides in Aqueous Media. Advanced Materials, 2012, 24, 3390-3395.	11.1	286
11	Porous hypercrosslinked polymer-TiO2-graphene composite photocatalysts for visible-light-driven CO2 conversion. Nature Communications, 2019, 10, 676.	5.8	278
12	Crystalline Covalent Triazine Frameworks by Inâ€…Situ Oxidation of Alcohols to Aldehyde Monomers. Angewandte Chemie - International Edition, 2018, 57, 11968-11972.	7.2	266
13	Strongâ€Baseâ€Assisted Synthesis of a Crystalline Covalent Triazine Framework with High Hydrophilicity via Benzylamine Monomer for Photocatalytic Water Splitting. Angewandte Chemie - International Edition, 2020, 59, 6007-6014.	7.2	254
14	Highly porous activated carbon materials from carbonized biomass with high CO2 capturing capacity. Chemical Engineering Journal, 2015, 281, 606-612.	6.6	238
15	TrÃ¶gerâ€™s base-functionalised organic nanoporous polymer for heterogeneous catalysis. Chemical Communications, 2010, 46, 970-972.	2.2	221
16	A novel metalporphyrin-based microporous organic polymer with high CO₂ uptake and efficient chemical conversion of CO₂ under ambient conditions. Journal of Materials Chemistry A, 2017, 5, 1509-1515.	5.2	186
17	Triptycene-Based Hyper-Cross-Linked Polymer Sponge for Gas Storage and Water Treatment. Macromolecules, 2015, 48, 8509-8514.	2.2	178
18	Engineering heteroatoms with atomic precision in donorâ€“acceptor covalent triazine frameworks to boost photocatalytic hydrogen production. Journal of Materials Chemistry A, 2018, 6, 19775-19781.	5.2	172

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19	Design of Dâ€“A₁â€“A₂ Covalent Triazine Frameworks via Copolymerization for Photocatalytic Hydrogen Evolution. ACS Catalysis, 2019, 9, 9438-9445.	5.5	172
20	Design of Polymeric Stabilizers for Size-Controlled Synthesis of Monodisperse Gold Nanoparticles in Water. Langmuir, 2007, 23, 885-895.	1.6	158
21	Controlling Monomer Feeding Rate to Achieve Highly Crystalline Covalent Triazine Frameworks. Advanced Materials, 2019, 31, e1807865.	11.1	158
22	Multifunctional microporous organic polymers. Journal of Materials Chemistry A, 2014, 2, 11930.	5.2	157
23	Palladium catalyst coordinated in knitting N-heterocyclic carbene porous polymers for efficient Suzukiâ€“Miyaura coupling reactions. Journal of Materials Chemistry A, 2015, 3, 1272-1278.	5.2	155
24	Nitrogen-Rich Triptycene-Based Porous Polymer for Gas Storage and Iodine Enrichment. ACS Macro Letters, 2016, 5, 1039-1043.	2.3	143
25	Methane Storage in a Hydrated Form as Promoted by Leucines for Possible Application to Natural Gas Transportation and Storage. Energy Technology, 2015, 3, 815-819.	1.8	139
26	Direct Coprecipitation Route to Monodisperse Dualâ€Functionalized Magnetic Iron Oxide Nanocrystals Without Size Selection. Small, 2008, 4, 231-239.	5.2	137
27	Formation and enhanced biocidal activity of water-dispersable organic nanoparticles. Nature Nanotechnology, 2008, 3, 506-511.	15.6	135
28	Triptycene-Based Microporous Polymers: Synthesis and Their Gas Storage Properties. ACS Macro Letters, 2012, 1, 190-193.	2.3	135
29	Layered microporous polymers by solvent knitting method. Science Advances, 2017, 3, e1602610.	4.7	135
30	Photoreductive synthesis of water-soluble fluorescent metal nanoclusters. Chemical Communications, 2012, 48, 567-569.	2.2	133
31	Selective photocatalytic CO2 reduction in aerobic environment by microporous Pd-porphyrin-based polymers coated hollow TiO2. Nature Communications, 2022, 13, 1400.	5.8	131
32	Hypercrosslinked microporous polymer networks for effective removal of toxic metal ions from water. Microporous and Mesoporous Materials, 2011, 138, 207-214.	2.2	129
33	A Porous Tricyclooxacalixarene Cage Based on Tetraphenylethylene. Angewandte Chemie - International Edition, 2015, 54, 9244-9248.	7.2	127
34	Microporous organic polymers synthesized by self-condensation of aromatic hydroxymethyl monomers. Polymer Chemistry, 2013, 4, 1126-1131.	1.9	114
35	Fluorescent or not? Size-dependent fluorescence switching for polymer-stabilized gold clusters in the 1.1â€“1.7 nm size range. Chemical Communications, 2008, , 3986.	2.2	108
36	Ultra-small fluorescent inorganic nanoparticles for bioimaging. Journal of Materials Chemistry B, 2014, 2, 2793-2818.	2.9	104

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37	Graphene oxide-polythiophene derivative hybrid nanosheet for enhancing performance of supercapacitor. Journal of Power Sources, 2016, 306, 241-247.	4.0	103
38	Hollow Microporous Organic Capsules. Scientific Reports, 2013, 3, 2128.	1.6	102
39	Hollow Hyper-Cross-Linked Nanospheres with Acid and Base Sites as Efficient and Water-Stable Catalysts for One-Pot Tandem Reactions. ACS Catalysis, 2017, 7, 3693-3702.	5.5	101
40	Synthesis of cost-effective porous polyimides and their gas storage properties. Chemical Communications, 2011, 47, 7704.	2.2	99
41	Synthesis of uniform microporous polymer nanoparticles and their applications for hydrogen storage. Journal of Materials Chemistry, 2010, 20, 7444.	6.7	98
42	Nitrogen-doped activated carbons derived from a co-polymer for high supercapacitor performance. Journal of Materials Chemistry A, 2014, 2, 11697-11705.	5.2	94
43	Rapid and Reversible Hydrogen Storage in Clathrate Hydrates Using Emulsionâ€Templated Polymers. Advanced Materials, 2008, 20, 2663-2666.	11.1	93
44	Effects of synthesis methodology on microporous organic hyper-cross-linked polymers with respect to structural porosity, gas uptake performance and fluorescence properties. Polymer Chemistry, 2019, 10, 1299-1311.	1.9	93
45	Highly water-soluble magnetic iron oxide (Fe3O4) nanoparticles for drug delivery: enhanced in vitro therapeutic efficacy of doxorubicin and MION conjugates. Journal of Materials Chemistry B, 2013, 1, 2874.	2.9	92
46	Solution-processable hypercrosslinked polymers by low cost strategies: a promising platform for gas storage and separation. Journal of Materials Chemistry A, 2016, 4, 15072-15080.	5.2	92
47	Immobilized covalent triazine frameworks films as effective photocatalysts for hydrogen evolution reaction. Nature Communications, 2021, 12, 6596.	5.8	87
48	Covalent Triazine Frameworks via a Lowâ€Temperature Polycondensation Approach. Angewandte Chemie, 2017, 129, 14337-14341.	1.6	83
49	Novel POSS-based organicâ€“inorganic hybrid porous materials by low cost strategies. Journal of Materials Chemistry A, 2015, 3, 6542-6548.	5.2	81
50	Hollow Covalent Triazine Frameworks with Variable Shell Thickness and Morphology. Advanced Functional Materials, 2019, 29, 1904781.	7.8	80
51	CO2-in-Water Emulsion-Templated Poly(vinyl alcohol) Hydrogels Using Poly(vinyl acetate)-Based Surfactants. Macromolecules, 2007, 40, 1955-1961.	2.2	79
52	Phase transitions and hard magnetic properties for rapidly solidified MnAl alloys doped with C, B, and rare earth elements. Journal of Materials Science, 2012, 47, 2333-2338.	1.7	78
53	Knitting hypercrosslinked conjugated microporous polymers with external crosslinker. Polymer, 2015, 70, 336-342.	1.8	77
54	Lowâ€Cost Hypercrosslinked Polymers by Direct Knitting Strategy for Catalytic Applications. Advanced Functional Materials, 2021, 31, 2008265.	7.8	77

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55	Tailoring the pore size of hypercrosslinked polymers. Soft Matter, 2011, 7, 10910.	1.2	75
56	PVP-templated highly luminescent copper nanoclusters for sensing trinitrophenol and living cell imaging. Nanoscale, 2019, 11, 1286-1294.	2.8	69
57	Biolabeling Hematopoietic System Cells Using Near-Infrared Fluorescent Gold Nanoclusters. Journal of Physical Chemistry C, 2011, 115, 16753-16763.	1.5	67
58	Wettable magnetic hypercrosslinked microporous nanoparticle as an efficient adsorbent for water treatment. Chemical Engineering Journal, 2017, 326, 109-116.	6.6	67
59	Networked Cages for Enhanced CO₂ Capture and Sensing. Advanced Science, 2018, 5, 1800141.	5.6	65
60	Strongâ€Baseâ€Assisted Synthesis of a Crystalline Covalent Triazine Framework with High Hydrophilicity via Benzylamine Monomer for Photocatalytic Water Splitting. Angewandte Chemie, 2020, 132, 6063-6070.	1.6	65
61	Fabrication of Hollow Microporous Carbon Spheres from Hyperâ€Crosslinked Microporous Polymers. Small, 2016, 12, 3134-3142.	5.2	64
62	Acid and base coexisted heterogeneous catalysts supported on hypercrosslinked polymers for one-pot cascade reactions. Journal of Catalysis, 2017, 348, 168-176.	3.1	64
63	Size and shape control for water-soluble magnetic cobalt nanoparticles using polymer ligands. Journal of Materials Chemistry, 2008, 18, 2453.	6.7	63
64	Functionalized hypercrosslinked polymers with knitted N-heterocyclic carbeneâ€“copper complexes as efficient and recyclable catalysts for organic transformations. Catalysis Science and Technology, 2016, 6, 4345-4355.	2.1	62
65	One-pot synthesis of ultra-small magnetite nanoparticles on the surface of reduced graphene oxide nanosheets as anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 4793-4798.	5.2	59
66	A Facile Approach to Prepare Multiple Heteroatom-Doped Carbon Materials from Imine-Linked Porous Organic Polymers. Scientific Reports, 2018, 8, 4200.	1.6	57
67	Layered Thiazolo[5,4-d] Thiazole-Linked Conjugated Microporous Polymers with Heteroatom Adoption for Efficient Photocatalysis Application. ACS Applied Materials & Interfaces, 2019, 11, 15861-15868.	4.0	57
68	Hierarchical Porous Polystyrene Monoliths from PolyHIPE. Macromolecular Rapid Communications, 2015, 36, 1553-1558.	2.0	56
69	Palladium as a Superior Cocatalyst to Platinum for Hydrogen Evolution Using Covalent Triazine Frameworks as a Support. ACS Applied Materials & Interfaces, 2020, 12, 12774-12782.	4.0	56
70	Triptycene-based microporous polyimides: Synthesis and their high selectivity for CO2 capture. Polymer, 2014, 55, 3642-3647.	1.8	55
71	Functional Oligo(vinyl acetate) CO2-philes for Solubilization and Emulsification. Journal of the American Chemical Society, 2005, 127, 8938-8939.	6.6	54
72	Microporous Organic Polymers Derived Microporous Carbon Supported Pd Catalysts for Oxygen Reduction Reaction: Impact of Framework and Heteroatom. Journal of Physical Chemistry C, 2016, 120, 2187-2197.	1.5	54

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73	Naphthyl Substitution-Induced Fine Tuning of Porosity and Gas Uptake Capacity in Microporous Hyper-Cross-Linked Amine Polymers. Macromolecules, 2018, 51, 2923-2931.	2.2	54
74	Synthesis of Emulsion-Templated Poly(acrylamide) Using CO2-in-Water Emulsions and Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	2.2	53
75	Imine-Linked Polymer Based Nitrogen-Doped Porous Activated Carbon for Efficient and Selective CO2 Capture. Scientific Reports, 2016, 6, 38614.	1.6	52
76	Embedding Carbon Nitride into a Covalent Organic Framework with Enhanced Photocatalysis Performance. Chemistry - an Asian Journal, 2018, 13, 1674-1677.	1.7	51
77	Design and Utility of Metal/Metal Oxide Nanoparticles Mediated by Thioether End-Functionalized Polymeric Ligands. Polymers, 2016, 8, 156.	2.0	50
78	Crystalline Covalent Triazine Frameworks by Inâ€...Situ Oxidation of Alcohols to Aldehyde Monomers. Angewandte Chemie, 2018, 130, 12144-12148.	1.6	50
79	Crystallization of Covalent Triazine Frameworks via a Heterogeneous Nucleation Approach for Efficient Photocatalytic Applications. Chemistry of Materials, 2021, 33, 1994-2003.	3.2	48
80	Ruthenium Complexes Immobilized on Functionalized Knitted Hypercrosslinked Polymers as Efficient and Recyclable Catalysts for Organic Transformations. Advanced Synthesis and Catalysis, 2017, 359, 78-88.	2.1	47
81	Donorâ€“Acceptor Charge Migration System of Superhydrophilic Covalent Triazine Framework and Carbon Nanotube toward High Performance Solar Thermal Conversion. ACS Energy Letters, 2020, 5, 1300-1306.	8.8	47
82	Effect of polymer ligand structures on fluorescence of gold clusters prepared by photoreduction. Nanoscale, 2013, 5, 1986.	2.8	45
83	Heteroatom-rich porous organic polymers constructed by benzoxazine linkage with high carbon dioxide adsorption affinity. Journal of Colloid and Interface Science, 2018, 509, 457-462.	5.0	45
84	Fractionation of Poly(vinyl acetate) and the Phase Behavior of End-Group Modified Oligo(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	2.2	43
85	Preparation of Magnetic Iron Oxide Nanoparticles (MIONs) with Improved Saturation Magnetization Using Multifunctional Polymer Ligand. Polymers, 2016, 8, 392.	2.0	43
86	An artificial photosynthesis system comprising a covalent triazine framework as an electron relay facilitator for photochemical carbon dioxide reduction. Journal of Materials Chemistry C, 2020, 8, 192-200.	2.7	43
87	Efficient Synthesis of Ultrafine Gold Nanoparticles with Tunable Sizes in a Hyper-Cross-Linked Polymer for Nitrophenol Reduction. ACS Applied Nano Materials, 2019, 2, 546-553.	2.4	42
88	Organic microporous polymer from a hexaphenylbenzene based triptycene monomer: synthesis and its gas storage properties. Polymer Chemistry, 2013, 4, 3663.	1.9	41
89	Functionalized hierarchical porous polymeric monoliths as versatile platforms to support uniform and ultrafine metal nanoparticles for heterogeneous catalysis. Chemical Engineering Journal, 2020, 390, 124485.	6.6	41
90	Fabrication of cross-like NH4V4O10 nanobelt array controlled by CMC as soft template and photocatalytic activity of its calcinated product. Chemical Engineering Journal, 2012, 209, 245-254.	6.6	40

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91	Synthesis and CO2Solubility Studies of Poly(ether carbonate)s and Poly(ether ester)s Produced by Step Growth Polymerization. Macromolecules, 2005, 38, 1691-1698.	2.2	39
92	Synthesis of CO2-philic Xanthateâ^'Oligo(vinyl acetate)-Based Hydrocarbon Surfactants by RAFT Polymerization and Their Applications on Preparation of Emulsion-Templated Materials. Macromolecules, 2010, 43, 9355-9364.	2.2	39
93	Facile preparation of size-controlled gold nanoparticles using versatile and end-functionalized thioether polymer ligands. Nanoscale, 2011, 3, 1600.	2.8	37
94	Facile Preparation of Highly Blue Fluorescent Metal Nanoclusters in Organic Media. Journal of Physical Chemistry C, 2012, 116, 448-455.	1.5	36
95	Microporous Polymers from a Carbazoleâ€Based Triptycene Monomer: Synthesis and Their Applications for Gas Uptake. Chemistry - an Asian Journal, 2016, 11, 294-298.	1.7	36
96	Morphology design of microporous organic polymers and their potential applications: an overview. Science China Chemistry, 2017, 60, 1056-1066.	4.2	36
97	Hyperporous Carbon from Triptyceneâ€Based Hypercrosslinked Polymer for Iodine Capture. Advanced Materials Interfaces, 2019, 6, 1900249.	1.9	35
98	Threeâ€Dimensional Crystalline Covalent Triazine Frameworks via a Polycondensation Approach. Angewandte Chemie - International Edition, 2022, 61, .	7.2	35
99	Miniemulsion copolymerization of styrene and butyl acrylate initiated by redox system at lower temperature-preparation and polymerization of miniemulsion. Journal of Applied Polymer Science, 1998, 68, 2029-2039.	1.3	33
100	Synthesis and properties of organic microporous polymers from the monomer of hexaphenylbenzene based triptycene. Polymer, 2016, 82, 100-104.	1.8	32
101	A triptycene-based two-dimensional porous organic polymeric nanosheet. Polymer Chemistry, 2017, 8, 5533-5538.	1.9	32
102	Eco-Friendly Phosphorus and Nitrogen-Rich Inorganicâ€“Organic Hybrid Hypercross-linked Porous Polymers via a Low-Cost Strategy. Macromolecules, 2021, 54, 5848-5855.	2.2	32
103	Construction and gas uptake performance of cyano-functional hypercrosslinked polymers via knitting strategy. Chemical Engineering Journal, 2021, 426, 130731.	6.6	32
104	Synthesis and properties of triptycene-based microporous polymers. Polymer, 2013, 54, 6942-6946.	1.8	31
105	Triptyceneâ€based Chiral Porous Polyimides for Enantioselective Membrane Separation. Angewandte Chemie - International Edition, 2021, 60, 12781-12785.	7.2	31
106	Grafting Hypercrosslinked Polymers on TiO₂ Surface for Anchoring Ultrafine Pd Nanoparticles: Dramatically Enhanced Efficiency and Selectivity toward Photocatalytic Reduction of CO₂ to CH₄. Small, 2022, 18, e2105083.	5.2	30
107	Polymer CO₂ Solubility. Structure/Property Relationships in Polyester Libraries. Macromolecules, 2010, 43, 9426-9433.	2.2	29
108	Template-mediated Synthesis of Hollow Microporous Organic Nanorods with Tunable Aspect Ratio. Scientific Reports, 2016, 6, 31359.	1.6	29

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109	Two-dimensional crystalline covalent triazine frameworks via dual modulator control for efficient photocatalytic oxidation of sulfides. Journal of Materials Chemistry A, 2021, 9, 16405-16410.	5.2	29
110	Ionic Hydrocarbon Surfactants for Emulsification and Dispersion Polymerization in Supercritical CO2. Macromolecules, 2006, 39, 7471-7473.	2.2	28
111	Controlled synthesis of uniform palladium nanoparticles on novel micro-porous carbon as a recyclable heterogeneous catalyst for the Heck reaction. Dalton Transactions, 2015, 44, 13906-13913.	1.6	28
112	Period Increase and Amplitude Distribution of Kink Oscillation of Coronal Loop. Scientific Reports, 2018, 8, 4471.	1.6	28
113	Magnetic microporous polymer nanoparticles. Polymer Chemistry, 2013, 4, 1425-1429.	1.9	27
114	Surfactant-free CO2-in-water emulsion-templated poly (vinyl alcohol) (PVA) hydrogels. Polymer, 2015, 61, 183-191.	1.8	26
115	Research Progress in Hypercrosslinked Microporous Organic Polymers. Acta Chimica Sinica, 2015, 73, 530.	0.5	26
116	Catalyzed hydrogen spillover for hydrogen storage on microporous organic polymers. International Journal of Hydrogen Energy, 2012, 37, 12813-12820.	3.8	25
117	Creating chemisorption sites for enhanced CO2 chemical conversion activity through amine modification of metalloporphyrin-based hypercrosslinked polymers. Chemical Engineering Journal, 2022, 431, 134326.	6.6	25
118	High-throughput solubility measurements of polymer libraries in supercritical carbon dioxide. Journal of Materials Chemistry, 2005, 15, 456.	6.7	24
119	A highly efficient catalyst for Suzukiâ€“Miyaura coupling reaction of benzyl chloride under mild conditions. RSC Advances, 2014, 4, 36437-36443.	1.7	24
120	Synthesis of water-soluble and highly fluorescent gold nanoclusters for Fe³⁺ sensing in living cells using fluorescence imaging. Journal of Materials Chemistry B, 2017, 5, 5608-5615.	2.9	24
121	Knitting polycyclic aromatic hydrocarbon-based microporous organic polymers for efficient CO₂ capture. RSC Advances, 2018, 8, 10347-10354.	1.7	24
122	Porous Organic Polymer from Aggregation-Induced Emission Macrocycle for White-Light Emission. Macromolecules, 2018, 51, 7863-7871.	2.2	24
123	Facile Synthesis of Hypercrosslinked Hollow Microporous Organic Capsules for Electrochemical Sensing of Cu^{II} Ions. Chemistry - A European Journal, 2019, 25, 548-555.	1.7	22
124	Methane storage in tea clathrates. Chemical Communications, 2014, 50, 1244-1246.	2.2	21
125	Synthesis of a CO2-philic poly(vinyl acetate)-based cationic amphiphilic surfactant by RAFT/ATRP and its application in preparing monolithic materials. Green Chemistry, 2014, 16, 4408-4416.	4.6	21
126	Covalent triazine frameworks constructed via benzyl halide monomers showing high photocatalytic activity in biomass reforming. Chemical Communications, 2021, 57, 5147-5150.	2.2	21

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127	Functional oligo(vinyl acetate) bearing bipyridine moieties by RAFT polymerization and extraction of metal ions in supercritical carbon dioxide. Polymer Chemistry, 2013, 4, 3507.	1.9	20
128	Pyrene-based covalent triazine framework towards high-performance sensing and photocatalysis applications. Science China Materials, 2021, 64, 149-157.	3.5	20
129	Heteroatom Engineering of Hyper-Cross-Linked Polymers for Iodine Capture. ACS Applied Polymer Materials, 2021, 3, 209-215.	2.0	20
130	Urchin-like cobalt incorporated manganese oxide OMS-2 hollow spheres: Synthesis, characterization and catalytic degradation of RhB dye. Solid State Sciences, 2013, 15, 66-72.	1.5	19
131	Emulsion-templated poly(acrylamide)s by using polyvinyl alcohol (PVA) stabilized CO₂-in-water emulsions and their applications in tissue engineering scaffolds. RSC Advances, 2015, 5, 92017-92024.	1.7	19
132	Synthesis of surface functionalized hollow microporous organic capsules for doxorubicin delivery to cancer cells. Polymer Chemistry, 2020, 11, 2110-2118.	1.9	19
133	Porous Interdigitation Molecular Cage from Tetraphenylethylene Trimeric Macrocycles That Showed Highly Selective Adsorption of CO₂ and TNT Vapor in Air. Organic Letters, 2018, 20, 321-324.	2.4	18
134	Highly active palladium nanoparticles immobilized on knitting microporous organic polymers as efficient catalysts for Suzukiâ€“Miyaura cross-coupling reaction. Journal of Porous Materials, 2016, 23, 725-731.	1.3	17
135	Development of functionalized hollow microporous organic capsules encapsulating morphine â€“ an in vitro and in vivo study. Journal of Materials Chemistry B, 2017, 5, 742-749.	2.9	17
136	Synthesis of oligomer vinyl acetate with different topologies by RAFT/MADIX method and their phase behaviour in supercritical carbon dioxide. Polymer, 2013, 54, 5303-5309.	1.8	16
137	Hollow Microporous Organic Capsules Loaded with Highly Dispersed Pt Nanoparticles for Catalytic Applications. Macromolecular Chemistry and Physics, 2014, 215, 1257-1263.	1.1	16
138	Miniemulsion copolymerization of styrene and butyl acrylate initiated by redox system at lower temperature: Reaction kinetics and evolution of particle-size distribution. Journal of Applied Polymer Science, 1999, 73, 315-322.	1.3	14
139	Strategies for the analysis of poly(methacrylic acid) by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 1507-1510.	1.2	14
140	Synthesis of MWCNT-Based Hyper-Cross-Linked Polymers with Thickness-Tunable Organic Porous Layers. ACS Macro Letters, 2019, 8, 403-408.	2.3	14
141	Ultrahigh-CO2 Adsorption Capacity and CO2/N2 Selectivity by Nitrogen-Doped Porous Activated Carbon Monolith. Bulletin of the Chemical Society of Japan, 2020, 93, 421-426.	2.0	14
142	Porous Organic Polymers for Catalytic Conversion of Carbon Dioxide. Chemistry - an Asian Journal, 2021, 16, 3833-3850.	1.7	14
143	Polymerâ€“inorganic hybrid microparticles with hierarchical structures formed by interfacial instabilities of emulsion droplets. Soft Matter, 2012, 8, 2697.	1.2	13
144	Soluble Hyperbranched Porous Organic Polymers. Macromolecular Rapid Communications, 2018, 39, e1800441.	2.0	13

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145	Hyperporousâ€Carbonâ€Supported Nonprecious Metal Electrocatalysts for the Oxygen Reduction Reaction. Chemistry - an Asian Journal, 2018, 13, 2671-2676.	1.7	13
146	Fe3O4 Nanoparticles Functionalized with Polymer Ligand for T1-Weighted MRI In Vitro and In Vivo. Polymers, 2019, 11, 882.	2.0	13
147	Facile Synthesis of Ultrastable Fluorescent Copper Nanoclusters and Their Cellular Imaging Application. Nanomaterials, 2020, 10, 1678.	1.9	13
148	Facile preparation of silver nanocluster self-assemblies with aggregation-induced emission by equilibrium shifting. Nanoscale, 2021, 13, 14207-14213.	2.8	13
149	Integrating single Co sites into crystalline covalent triazine frameworks for photoreduction of CO₂. Chemical Communications, 2022, 58, 8121-8124.	2.2	13
150	Design of a polymer ligand for the one-step preparation of highly stable fluorescent Ag5 clusters for tissue labeling. Journal of Materials Chemistry B, 2013, 1, 3999.	2.9	12
151	Highly Luminescent Copper Nanoclusters Stabilized by Ascorbic Acid for the Quantitative Detection of 4-Aminoazobenzene. Nanomaterials, 2020, 10, 1531.	1.9	11
152	A steric hindrance alleviation strategy to enhance the photo-switching efficiency of azobenzene functionalized metalâ€“organic frameworks toward tailorable carbon dioxide capture. Journal of Materials Chemistry A, 2022, 10, 8303-8308.	5.2	11
153	Supercritical Carbon Dioxide as a Green Solvent for Polymer Synthesis. , 2007, , 383-396.		10
154	Covalent Triazine Frameworks(CTFs) for Photocatalytic Applications. Chemical Research in Chinese Universities, 2022, 38, 310-324.	1.3	10
155	Novel fullerene-based porous materials constructed by a solvent knitting strategy. Chemical Communications, 2017, 53, 12758-12761.	2.2	9
156	Microporous polymer based on hexaazatriphenylene-fused triptycene for CO2 capture and conversion. Science China Materials, 2020, 63, 429-436.	3.5	9
157	Molecular Engineering for Organic Cage Frameworks with Fixed Pore Size to Tune Their Porous Properties and Improve CO₂ Capture. ACS Applied Polymer Materials, 2021, 3, 171-177.	2.0	9
158	Crystalline Covalent Triazine Frameworks with Fibrous Morphology via a Lowâ€Temperature Polycondensation of Planar Monomer. Small, 2022, 18, e2200984.	5.2	9
159	Switching porosity of stable triptycene-based cageviasolution-state assembly processes. RSC Advances, 2020, 10, 9088-9092.	1.7	8
160	Hypercrosslinked Polymers: Lowâ€Cost Hypercrosslinked Polymers by Direct Knitting Strategy for Catalytic Applications (Adv. Funct. Mater. 12/2021). Advanced Functional Materials, 2021, 31, 2170082.	7.8	8
161	Carbonate-based hyper-cross-linked polymers with pendant versatile electron-withdrawing functional groups for CO₂adsorption and separation. Journal of Materials Chemistry A, 2022, 10, 15062-15073.	5.2	8
162	Amine or Azo functionalized hypercrosslinked polymers for highly efficient CO2 capture and selective CO2 capture. Materials Today Communications, 2021, 27, 102338.	0.9	7

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163	Synthesis of ultraviolet-curable modified polysiloxane and its surface properties. Journal of Applied Polymer Science, 2002, 86, 2135-2139.	1.3	6
164	A novel self-templating strategy for facile fabrication of monodisperse polymeric microporous capsules with a tunable hollow structure. Polymer Chemistry, 2021, 12, 2689-2694.	1.9	6
165	Triptyceneâ€based Chiral Porous Polyimides for Enantioselective Membrane Separation. Angewandte Chemie, 2021, 133, 12891-12895.	1.6	6
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