

# Hong-Bin Du

## List of Publications by Year in descending order

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54  
papers

1,765  
citations

236925

25  
h-index

276875

41  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2517  
citing authors

#	ARTICLE	IF	CITATIONS
1	Template-free synthesis of flower-like hierarchical vanadium nitride/carbon composites for long cycle-life half and full lithium-ion batteries. <i>Journal of Power Sources</i> , 2022, 520, 230924.	7.8	5
2	Direct Synthesis of An Aluminosilicate POS Zeolite with Intersecting 12Å–11Å–11Å-Membered Ring Pore Channels by Using a Designed Organic Structure as Directing Agent. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	1
3	Drop-casting preparation of a binder-free SiO <sub>x</sub> anode with micron-sized SiO <sub>x</sub> particles for high-performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, , 165682.	5.5	3
4	Structure as a direction towards the new large pore zeolite NUD-3. <i>Chemical Communications</i> , 2021, 57, 191-194.	4.1	15
5	Nickel-assisted one-pot preparation of graphenic carbon matrices embedded with silicon nanoparticles as anode materials for lithium ion batteries. <i>Carbon</i> , 2021, 179, 266-274.	10.3	23
6	One-pot solution synthesis of carbon-coated silicon nanoparticles as an anode material for lithium-ion batteries. <i>Chemical Communications</i> , 2020, 56, 1109-1112.	4.1	30
7	An Extra-Large-Pore Pure Silica Zeolite with 16Å–8Å–8Å-Membered Ring Pore Channels Synthesized using an Aromatic Organic Directing Agent. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3948-3951.	13.8	14
8	Synthesis, Structure and Properties of an Extra-Large-Pore Aluminosilicate Zeolite NUD-6. <i>Chemistry - A European Journal</i> , 2020, 26, 17143-17148.	3.3	6
9	Solvent-Induced Growth of Free-Standing 2D Si Nanosheets. <i>Small</i> , 2020, 16, e2005426.	10.0	9
10	Synthesis and characterization of a layered aluminosilicate NUD-11 and its transformation to a 3D stable zeolite. <i>Dalton Transactions</i> , 2020, 49, 11682-11688.	3.3	2
11	An Extra-Large-Pore Pure Silica Zeolite with 16Å–8Å–8Å-Membered Ring Pore Channels Synthesized using an Aromatic Organic Directing Agent. <i>Angewandte Chemie</i> , 2020, 132, 3976-3979.	2.0	3
12	Two anionic Ni(II) porphyrinic metal-organic frameworks: Syntheses, flexibility and roles in visible-light photocatalytic CO <sub>2</sub> reduction to CO in the Ru(bpy) <sub>3</sub> Cl <sub>2</sub> /TEA/CH <sub>3</sub> CN system. <i>Journal of Solid State Chemistry</i> , 2020, 287, 121340.	2.9	5
13	Ionothermal Synthesis of Crystalline Nanoporous Silicon and Its Use as Anode Materials in Lithium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2019, 14, 196.	5.7	3
14	Designed synthesis of an extra-large pore zeolite with a 14-membered ring channel via supramolecular assembly templating approach. <i>Microporous and Mesoporous Materials</i> , 2019, 290, 109654.	4.4	7
15	Charge, adsorption, water stability and bandgap tuning of an anionic Cd porphyrinic metal-organic framework. <i>Dalton Transactions</i> , 2019, 48, 8678-8692.	3.3	14
16	Solution Synthesis of Porous Silicon Particles as an Anode Material for Lithium Ion Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, 9071-9077.	3.3	25
17	Facile synthesis of large-pore zeolite ITQ-26 by using an easily-available imidazolium as structure-directing agent. <i>Microporous and Mesoporous Materials</i> , 2019, 276, 232-238.	4.4	9
18	Nickel Molybdenum Nitride Nanorods Grown on Ni Foam as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30400-30408.	8.0	97

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19	Electron Catalytic Photochemical Cascade Carbodifluoroalkylation/Radical Cyclization of Methyleneoxazolines. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1672-1677.	4.3	36
20	Room-Temperature Solution Synthesis of Mesoporous Silicon for Lithium Ion Battery Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40386-40393.	8.0	41
21	Step-by-step assembly preparation of core-shell Si-mesoporous TiO <sub>2</sub> composite nanospheres with enhanced lithium-storage properties. <i>Dalton Transactions</i> , 2017, 46, 11542-11546.	3.3	21
22	Transition-Metal Phosphide-Carbon Nanosheet Composites Derived from Two-Dimensional Metal-Organic Frameworks for Highly Efficient Electrocatalytic Water-Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40171-40179.	8.0	83
23	Highly Stable Mesoporous Zirconium Porphyrinic Frameworks with Distinct Flexibility. <i>Chemistry - A European Journal</i> , 2016, 22, 6268-6276.	3.3	31
24	Facile preparation of extra-large pore zeolite ITQ-37 based on supramolecular assemblies as structure-directing agents. <i>CrystEngComm</i> , 2016, 18, 2735-2741.	2.6	24
25	A Stable Extra-Large-Pore Zeolite with Intersecting 14- and 10-Membered Ring Channels. <i>Chemistry - A European Journal</i> , 2016, 22, 14367-14372.	3.3	33
26	A series of robust metal-porphyrinic frameworks based on rare earth clusters and their application in N-H carbene insertion. <i>Dalton Transactions</i> , 2016, 45, 17108-17112.	3.3	18
27	Cascade photoredox/gold catalysis: access to multisubstituted indoles via aminoarylation of alkynes. <i>Chemical Communications</i> , 2016, 52, 14400-14403.	4.1	46
28	A robust indium-porphyrin framework for CO <sub>2</sub> capture and chemical transformation. <i>Dalton Transactions</i> , 2016, 45, 18730-18736.	3.3	27
29	Frontispiece: Highly Stable Mesoporous Zirconium Porphyrinic Frameworks with Distinct Flexibility. <i>Chemistry - A European Journal</i> , 2016, 22, .	3.3	0
30	Two-dimensional ultra-thin SiO <sub>x</sub> (0 < x < 2) nanosheets with long-term cycling stability as lithium ion battery anodes. <i>Chemical Communications</i> , 2016, 52, 4341-4344.	4.1	64
31	Preparation of uniform Si nanoparticles for high-performance Li-ion battery anodes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1521-1525.	2.8	52
32	Hollow-structured Si/SiC@C nanospheres as highly active catalysts for cycloaddition of epoxides with CO <sub>2</sub> under mild conditions. <i>Dalton Transactions</i> , 2016, 45, 2369-2373.	3.3	25
33	Facile preparation of yolk-shell structured Si/SiC@C@TiO <sub>2</sub> nanocomposites as highly efficient photocatalysts for degrading organic dye in wastewater. <i>RSC Advances</i> , 2016, 6, 4063-4069.	3.6	17
34	An Extra-Large-Pore Zeolite with Intersecting 18-, 12-, and 10-Membered Ring Channels. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9592-9596.	13.8	57
35	Construction of lanthanide metal-organic frameworks with highly-connected topology based on a tetrapodal linker. <i>CrystEngComm</i> , 2013, 15, 6229.	2.6	27
36	Construction of three-dimensional metal-organic frameworks in the presence of a tetrahedral ligand and a secondary bidentate linker. <i>CrystEngComm</i> , 2013, 15, 6199.	2.6	9

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37	Two photoluminescent metal-organic frameworks based on a BODIPY-derived bipyridine ligand. <i>CrystEngComm</i> , 2013, 15, 7315.	2.6	41
38	A photoluminescent microporous metal organic anionic framework for nitroaromatic explosive sensing. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4525.	10.3	118
39	The synthesis, structure and magnetism studies of two manganese sulfates with a 3D zeolite GIS framework and 1D chain structure. <i>CrystEngComm</i> , 2013, 15, 435-438.	2.6	7
40	Synthesis and properties of four coordination polymers built from a semi-rigid tripod carboxylic acid. <i>CrystEngComm</i> , 2013, 15, 8989.	2.6	26
41	Structural diversity and properties of coordination polymers built from a semi-rigid tetradentate carboxylic acid. <i>CrystEngComm</i> , 2012, 14, 824-831.	2.6	22
42	Four cluster-based coordination polymers built on a semirigid tripod tricarboxylate ligand. <i>CrystEngComm</i> , 2012, 14, 8215.	2.6	13
43	A robust microporous metal-organic framework constructed from a flexible organic linker for acetylene storage at ambient temperature. <i>Journal of Materials Chemistry</i> , 2012, 22, 10195.	6.7	55
44	Facile preparation of silicon hollow spheres and their use in electrochemical capacitive energy storage. <i>Chemical Communications</i> , 2012, 48, 4950.	4.1	66
45	Cuprous iodide coordination polymers $(CuI)_x(L)_y \cdot z(\text{solvent})$ built on linear thioether linkers. <i>CrystEngComm</i> , 2011, 13, 2578.	2.6	27
46	An unprecedented (3,7)-connected microporous solvatochromic coordination polymer built on a semirigid tripod pyridinium-4-olate ligand. <i>CrystEngComm</i> , 2011, 13, 6010.	2.6	20
47	Solvent-Induced Synthesis of Zinc(II) and Manganese(II) Coordination Polymers with a Semirigid Tetracarboxylic Acid. <i>Crystal Growth and Design</i> , 2011, 11, 2444-2452.	3.0	62
48	A 3-dimensional coordination polymer with a fluorite structure constructed from a semi-rigid tetrahedral ligand. <i>CrystEngComm</i> , 2010, 12, 2669.	2.6	43
49	Rational synthesis of a microporous metal-organic framework with PtS topology using a semi-rigid tetrahedral linker. <i>CrystEngComm</i> , 2010, 12, 2008.	2.6	38
50	A 4-connected 3D porous coordination polymer with a binodal 6284 net built on tetrahedral quadridentate and bidentate linkers. <i>CrystEngComm</i> , 2010, 12, 1635.	2.6	29
51	A photoluminescent interpenetrating diamondoid metal-organic framework based on $Cu_4I_4$ clusters with high thermal stability. <i>CrystEngComm</i> , 2009, 11, 1834.	2.6	65
52	An infinite photoluminescent coordination nanotube $[CuSCN(L)] \cdot (DMF)_{0.5}$ . <i>CrystEngComm</i> , 2009, 11, 246-248.	2.6	55
53	The chemistry of selective ring-opening catalysts. <i>Applied Catalysis A: General</i> , 2005, 294, 1-21.	4.3	182
54	Synthesis and Characterization of A Stable Extra-Large-Pore Zeolite with 15Å–12Å–12 Membered Ring Channels. <i>Chemistry - A European Journal</i> , 0, , .	3.3	2