

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	The chemistry of selective ring-opening catalysts. <i>Applied Catalysis A: General</i> , 2005, 294, 1-21.	4.3	182
2	A photoluminescent microporous metal organic anionic framework for nitroaromatic explosive sensing. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4525.	10.3	118
3	Nickel Molybdenum Nitride Nanorods Grown on Ni Foam as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30400-30408.	8.0	97
4	Transition-Metal Phosphideâ€“Carbon Nanosheet Composites Derived from Two-Dimensional Metal-Organic Frameworks for Highly Efficient Electrocatalytic Water-Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40171-40179.	8.0	83
5	Facile preparation of silicon hollow spheres and their use in electrochemical capacitive energy storage. <i>Chemical Communications</i> , 2012, 48, 4950.	4.1	66
6	A photoluminescent interpenetrating diamondoid metalâ€“organic framework based on Cu ₄ I ₄ clusters with high thermal stability. <i>CrystEngComm</i> , 2009, 11, 1834.	2.6	65
7	Two-dimensional ultra-thin SiO _x (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
8	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
9	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
10	An infinite photoluminescent coordination nanotube [CuSCN(L)] \cdot (DMF) _{0.5} . <i>CrystEngComm</i> , 2009, 11, 246-248.	2.6	55
11	A robust microporous metalâ€“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
12	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
13	Cascade photoredox/gold catalysis: access to multisubstituted indoles via aminoarylation of alkynes. <i>Chemical Communications</i> , 2016, 52, 14400-14403.	4.1	46
14	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
15	Two photoluminescent metalâ€“organic frameworks based on a BODIPY-derived bipyridine ligand. <i>CrystEngComm</i> , 2013, 15, 7315.	2.6	41
16	Room-Temperature Solution Synthesis of Mesoporous Silicon for Lithium Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40386-40393.	8.0	41
17	Rational synthesis of a microporous metalâ€“organic framework with PtS topology using a semi-rigid tetrahedral linker. <i>CrystEngComm</i> , 2010, 12, 2008.	2.6	38
18	Electron Catalytic Photochemical Cascade Carbodifluoroalkylation/Radical Cyclization of Methyleneoxazolines. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1672-1677.	4.3	36

#	ARTICLE	IF	CITATIONS
19	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
20	Highly Stable Mesoporous Zirconium Porphyrinic Frameworks with Distinct Flexibility. <i>Chemistry - A European Journal</i> , 2016, 22, 6268-6276.	3.3	31
21	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
22	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
23	Cuprous iodide coordination polymers $(Cu)_x(L)_y \cdot z(\text{solvent})$ built on linear thioether linkers. <i>CrystEngComm</i> , 2011, 13, 2578.	2.6	27
24	Construction of lanthanide metal-organic frameworks with highly-connected topology based on a tetrapodal linker. <i>CrystEngComm</i> , 2013, 15, 6229.	2.6	27
25	A robust indium-porphyrin framework for CO_2 capture and chemical transformation. <i>Dalton Transactions</i> , 2016, 45, 18730-18736.	3.3	27
26	Synthesis and properties of four coordination polymers built from a semi-rigid tripod carboxylic acid. <i>CrystEngComm</i> , 2013, 15, 8989.	2.6	26
27	Hollow-structured Si/SiC@C nanospheres as highly active catalysts for cycloaddition of epoxides with CO_2 under mild conditions. <i>Dalton Transactions</i> , 2016, 45, 2369-2373.	3.3	25
28	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
29	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
30	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
31	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
32	Step-by-step assembly preparation of core-shell Si-mesoporous TiO_2 composite nanospheres with enhanced lithium-storage properties. <i>Dalton Transactions</i> , 2017, 46, 11542-11546.	3.3	21
33	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
34	A series of robust metal-porphyrinic frameworks based on rare earth clusters and their application in N_2 carbene insertion. <i>Dalton Transactions</i> , 2016, 45, 17108-17112.	3.3	18
35	Facile preparation of yolk-shell structured Si/SiC@C@ TiO_2 nanocomposites as highly efficient photocatalysts for degrading organic dye in wastewater. <i>RSC Advances</i> , 2016, 6, 4063-4069.	3.6	17
36	Structure-direction towards the new large pore zeolite NUD-3. <i>Chemical Communications</i> , 2021, 57, 191-194.	4.1	15

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37	Charge, adsorption, water stability and bandgap tuning of an anionic Cd(II) porphyrinic metal-organic framework. Dalton Transactions, 2019, 48, 8678-8692.	3.3	14
38	An Extra-Large-Pore Pure Silica Zeolite with 16Å-8Å-8Å-Membered Ring Pore Channels Synthesized using an Aromatic Organic Directing Agent. Angewandte Chemie - International Edition, 2020, 59, 3948-3951.	13.8	14
39	Four cluster-based coordination polymers built on a semirigid tripod tricarboxylate ligand. CrystEngComm, 2012, 14, 8215.	2.6	13
40	Construction of three-dimensional metal-organic frameworks in the presence of a tetrahedral ligand and a secondary bidentate linker. CrystEngComm, 2013, 15, 6199.	2.6	9
41	Facile synthesis of large-pore zeolite ITQ-26 by using an easily-available imidazolium as structure-directing agent. Microporous and Mesoporous Materials, 2019, 276, 232-238.	4.4	9
42	Solvent-Induced Growth of Free-Standing 2D Si Nanosheets. Small, 2020, 16, e2005426.	10.0	9
43	The synthesis, structure and magnetism studies of two manganese sulfates with a 3D zeolite GIS framework and 1D chain structure. CrystEngComm, 2013, 15, 435-438.	2.6	7
44	Designed synthesis of an extra-large pore zeolite with a 14-membered ring channel via supramolecular assembly templating approach. Microporous and Mesoporous Materials, 2019, 290, 109654.	4.4	7
45	Synthesis, Structure and Properties of an Extra-Large-Pore Aluminosilicate Zeolite NUD-6. Chemistry - A European Journal, 2020, 26, 17143-17148.	3.3	6
46	Two anionic Ni(II) porphyrinic metal-organic frameworks: Syntheses, flexibility and roles in visible-light photocatalytic CO ₂ reduction to CO in the Ru(bpy) ₃ Cl ₂ /TEA/CH ₃ CN system. Journal of Solid State Chemistry, 2020, 287, 121340.	2.9	5
47	Template-free synthesis of flower-like hierarchical vanadium nitride/carbon composites for long cycle-life half and full lithium-ion batteries. Journal of Power Sources, 2022, 520, 230924.	7.8	5
48	Ionothermal Synthesis of Crystalline Nanoporous Silicon and Its Use as Anode Materials in Lithium-Ion Batteries. Nanoscale Research Letters, 2019, 14, 196.	5.7	3
49	An Extra-Large-Pore Pure Silica Zeolite with 16Å-8Å-8Å-Membered Ring Pore Channels Synthesized using an Aromatic Organic Directing Agent. Angewandte Chemie, 2020, 132, 3976-3979.	2.0	3
50	Drop-casting preparation of a binder-free SiO _x anode with micron-sized SiO _x particles for high-performance lithium-ion batteries. Journal of Alloys and Compounds, 2022, , 165682.	5.5	3
51	Synthesis and characterization of a layered aluminosilicate NUD-11 and its transformation to a 3D stable zeolite. Dalton Transactions, 2020, 49, 11682-11688.	3.3	2
52	Synthesis and Characterization of A Stable Extra-Large-Pore Zeolite with 15Å-12Å-12 Å-Membered Ring Channels. Chemistry - A European Journal, 0, , .	3.3	2
53	Direct Synthesis of An Aluminosilicate POS Zeolite with Intersecting 12Å-11Å-11 Å-Membered Ring Pore Channels by Using a Designed Organic Structure-Directing Agent. Chemistry - A European Journal, 2022, 28, , .	3.3	1
54	Frontispiece: Highly Stable Mesoporous Zirconium Porphyrinic Frameworks with Distinct Flexibility. Chemistry - A European Journal, 2016, 22, , .	3.3	0