

Guang-Ping Hao

List of Publications by Year in descending order

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56
papers

5,491
citations

136950

32
h-index

128289

60
g-index

63
all docs

63
docs citations

63
times ranked

7935
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances of Porous Solids for Ultradilute CO ₂ Capture. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 18-30.	2.6	18
2	Targeted Synthesis of Anti-Hydrolysis 2D-ZIF Laminates with Super-Hydrophobic Transport Channels via In Situ Phase Transition Strategy. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	7
3	Asymmetric heterojunctions between size different 2D flakes intensify the ionic diode behaviour. <i>Chemical Communications</i> , 2022, 58, 5626-5629.	4.1	1
4	Hydrophilic carbon monoliths derived from metal-organic frameworks@resorcinol-formaldehyde resin for atmospheric water harvesting. <i>New Carbon Materials</i> , 2022, 37, 237-244.	6.1	9
5	Construction of Confined Bifunctional 2D Material for Efficient Sulfur Resource Recovery and Hg ²⁺ Adsorption in Desulfurization. <i>Environmental Science & Technology</i> , 2022, 56, 4531-4541.	10.0	13
6	Intensified coupled electrolysis of CO ₂ and brine over electrocatalysts with ordered mesoporous transport channels. <i>Chemical Engineering Journal</i> , 2022, 438, 135500.	12.7	19
7	Recent Advances in Carbon-Based Adsorbents for Adsorptive Separation of Light Hydrocarbons. <i>Research</i> , 2022, 2022, .	5.7	8
8	Self-Pillared Ultramicroporous Carbon Nanoplates for Selective Separation of CH ₄ /N ₂ . <i>Angewandte Chemie</i> , 2021, 133, 6409-6413.	2.0	28
9	Self-Pillared Ultramicroporous Carbon Nanoplates for Selective Separation of CH ₄ /N ₂ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6339-6343.	13.8	35
10	Advances in Post-Combustion CO ₂ Capture by Physical Adsorption: From Materials Innovation to Separation Practice. <i>ChemSusChem</i> , 2021, 14, 1428-1471.	6.8	75
11	Nitrogen and boron doped carbon layer coated multiwall carbon nanotubes as high performance anode materials for lithium ion batteries. <i>Scientific Reports</i> , 2021, 11, 5633.	3.3	20
12	Confined nanospace pyrolysis: A versatile strategy to create hollow structured porous carbons. <i>Nano Research</i> , 2021, 14, 3159-3173.	10.4	15
13	Wiggling Mesopores Kinetically Amplify the Adsorptive Separation of Propylene/Propane. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19063-19067.	13.8	31
14	Wiggling Mesopores Kinetically Amplify the Adsorptive Separation of Propylene/Propane. <i>Angewandte Chemie</i> , 2021, 133, 19211-19215.	2.0	2
15	Ion exchange in atomically thin clays and micas. <i>Nature Materials</i> , 2021, 20, 1677-1682.	27.5	40
16	Marked enhancement of electrocatalytic activities for gas-consuming reactions by bimodal mesopores. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17821-17829.	10.3	7
17	Proton and Li-Ion Permeation through Graphene with Eight-Atom-Ring Defects. <i>ACS Nano</i> , 2020, 14, 7280-7286.	14.6	55
18	An Asymmetric Supercapacitor-Diode (CAPode) for Unidirectional Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13060-13065.	13.8	49

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19	An Asymmetric Supercapacitorâ€“Diode (CAPode) for Unidirectional Energy Storage. <i>Angewandte Chemie</i> , 2019, 131, 13194-13199.	2.0	6
20	Atomically thin micas as proton-conducting membranes. <i>Nature Nanotechnology</i> , 2019, 14, 962-966.	31.5	45
21	Perfect proton selectivity in ion transport through two-dimensional crystals. <i>Nature Communications</i> , 2019, 10, 4243.	12.8	60
22	Nanocasting in ball mills â€“ combining ultra-hydrophilicity and ordered mesoporosity in carbon materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 859-865.	10.3	29
23	Highly dispersed metal and oxide nanoparticles on ultra-polar carbon as efficient cathode materials for Liâ€“O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6284-6291.	10.3	29
24	Understanding activity and selectivity of metal-nitrogen-doped carbon catalysts for electrochemical reduction of CO ₂ . <i>Nature Communications</i> , 2017, 8, 944.	12.8	890
25	Thermal Exfoliation of Layered Metalâ€“Organic Frameworks into Ultrahydrophilic Graphene Stacks and Their Applications in Liâ€“S Batteries. <i>Advanced Materials</i> , 2017, 29, 1702829.	21.0	141
26	Nanostructured Carbons and Related Materials Derived From Polybenzoxazine-Based Polymers. , 2017, , 621-642.		1
27	The Importance of Pore Size and Surface Polarity for Polysulfide Adsorption in Lithium Sulfur Batteries. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600508.	3.7	76
28	Design of Hierarchically Porous Carbons with Interlinked Hydrophilic and Hydrophobic Surface and Their Capacitive Behavior. <i>Chemistry of Materials</i> , 2016, 28, 8715-8725.	6.7	35
29	High-defect hydrophilic carbon cuboids anchored with Co/CoO nanoparticles as highly efficient and ultra-stable lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10166-10173.	10.3	179
30	Nitrogen doped carbide derived carbon aerogels by chlorine etching of a SiCN aerogel. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4525-4533.	10.3	36
31	Hydrophilic non-precious metal nitrogen-doped carbon electrocatalysts for enhanced efficiency in oxygen reduction reaction. <i>Chemical Communications</i> , 2015, 51, 17285-17288.	4.1	56
32	Unusual Ultraâ€“Hydrophilic, Porous Carbon Cuboids for Atmosphericâ€“Water Capture. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1941-1945.	13.8	119
33	Porous Carbons for Carbon Dioxide Capture. <i>Green Chemistry and Sustainable Technology</i> , 2014, , 15-77.	0.7	12
34	Direct synthesis of carbide-derived carbon monoliths with hierarchical pore design by hard-templating. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12703-12707.	10.3	13
35	Stretchable and Semitransparent Conductive Hybrid Hydrogels for Flexible Supercapacitors. <i>ACS Nano</i> , 2014, 8, 7138-7146.	14.6	186
36	Design of Functional Nanostructured Carbons for Advanced Heterogeneous Catalysts: A Review. <i>Current Organic Chemistry</i> , 2014, 18, 1262-1279.	1.6	12

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37	Rapid synthesis of foam-like mesoporous carbon monolith using an ultrasound-assisted air bubbling strategy. <i>Carbon</i> , 2013, 62, 322-329.	10.3	19
38	Design of Three-Dimensional Porous Carbon Materials: From Static to Dynamic Skeletons. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7930-7932.	13.8	30
39	Porous carbon nanosheets with precisely tunable thickness and selective CO ₂ adsorption properties. <i>Energy and Environmental Science</i> , 2013, 6, 3740.	30.8	168
40	Ionic liquid C ₁₆ mimBF ₄ -assisted synthesis of poly(benzoxazine-co-resol)-based hierarchically porous carbons with superior performance in supercapacitors. <i>Energy and Environmental Science</i> , 2013, 6, 652-659.	30.8	222
41	Porous materials for carbon dioxide capture. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2013, 109, 484.	0.8	73
42	Sandwich-Type Microporous Carbon Nanosheets for Enhanced Supercapacitor Performance. <i>Advanced Energy Materials</i> , 2013, 3, 1421-1427.	19.5	151
43	Synthesis of Hierarchical Porous Carbon Monoliths with Incorporated Metal-Organic Frameworks for Enhancing Volumetric Based CO ₂ Capture Capability. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6125-6132.	8.0	126
44	Bimetallic Au-Pd Nanoparticles Confined in Tubular Mesoporous Carbon as Highly Selective and Reusable Benzyl Alcohol Oxidation Catalysts. <i>ChemCatChem</i> , 2012, 4, 1595-1602.	3.7	36
45	Monolithic Carbons with Tailored Crystallinity and Porous Structure as Lithium-Ion Anodes for Fundamental Understanding Their Rate Performance and Cycle Stability. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10303-10311.	3.1	38
46	Chemical Synthesis of Carbon Materials With Intriguing Nanostructure and Morphology. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1107-1131.	2.2	115
47	Temperature-Programmed Precise Control over the Sizes of Carbon Nanospheres Based on Benzoxazine Chemistry. <i>Journal of the American Chemical Society</i> , 2011, 133, 15304-15307.	13.7	230
48	Structurally Designed Synthesis of Mechanically Stable Poly(benzoxazine-co-resol)-Based Porous Carbon Monoliths and Their Application as High-Performance CO ₂ Capture Sorbents. <i>Journal of the American Chemical Society</i> , 2011, 133, 11378-11388.	13.7	520
49	Novel porous solids for carbon dioxide capture. <i>Journal of Materials Chemistry</i> , 2011, 21, 6447.	6.7	130
50	A comparative study of nitrogen-doped hierarchical porous carbon monoliths as electrodes for supercapacitors. <i>New Carbon Materials</i> , 2011, 26, 197-203.	6.1	14
51	Can Carbon Spheres Be Created through the Stober Method?. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9023-9025.	13.8	114
52	Lysine-assisted rapid synthesis of crack-free hierarchical carbon monoliths with a hexagonal array of mesopores. <i>Carbon</i> , 2011, 49, 3762-3772.	10.3	66
53	Adsorption and Release Behavior of Vitamin B12 in Tubular Structured Ordered Mesoporous Carbon. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2011, 27, 2239-2243.	4.9	2
54	Rapid Synthesis of Nitrogen-Doped Porous Carbon Monolith for CO ₂ Capture. <i>Advanced Materials</i> , 2010, 22, 853-857.	21.0	771

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55	Easy Synthesis of Hollow Polymer, Carbon, and Graphitized Microspheres. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1615-1618.	13.8	172
56	Tubular structured ordered mesoporous carbon as an efficient sorbent for the removal of dyes from aqueous solutions. <i>Carbon</i> , 2010, 48, 3330-3339.	10.3	75