

Porous carbon-based materials for hydrogen storage: a

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Curly Graphene with Specious Interlayers Displaying Superior Capacity for Hydrogen Storage. Journal of Physical Chemistry C, 2013, 117, 25845-25851.	1.5	55
2	Highly stable nanoporous covalent triazine-based frameworks with an adamantane core for carbon dioxide sorption and separation. Journal of Materials Chemistry A, 2013, 1, 14990.	5.2	192
3	Comparative Study of Textural Characteristics on Methane Adsorption for Carbon Spheres Produced by CO ₂ Activation. International Journal of Chemical Engineering, 2014, 2014, 1-7.	1.4	5
4	Remarkable gas adsorption by carbonized nitrogen-rich hypercrosslinked porous organic polymers. Journal of Materials Chemistry A, 2014, 2, 15139-15145.	5.2	85
5	Hollow nickel-coated silica microspheres containing rhodium nanoparticles for highly selective production of hydrogen from hydrous hydrazine. Journal of Materials Chemistry A, 2014, 2, 18929-18937.	5.2	52
6	Heteroatom-doped carbon gels from phenols and heterocyclic aldehydes: Sulfur-doped carbon xerogels. Carbon, 2014, 75, 56-67.	5.4	64
7	Hydrogen storage capacity of alkali and alkaline earth metal ions doped carbon based materials: A DFT study. International Journal of Hydrogen Energy, 2014, 39, 2549-2559.	3.8	55
8	Hydrogen uptake of reduced graphene oxide and graphene sheets decorated with Fe nanoclusters. International Journal of Hydrogen Energy, 2014, 39, 8311-8320.	3.8	63
9	A CVD route for the preparation of templated and activated carbons for gas storage applications using zeolitic imidazolate frameworks (ZIFs) as template. Microporous and Mesoporous Materials, 2014, 195, 258-265.	2.2	27
10	Adsorbate Interactions in Metal Organic Frameworks Studied by Vibrational Spectroscopy. Comments on Inorganic Chemistry, 2014, 34, 78-102.	3.0	10
11	Porosity modulation of activated ZIF-templated carbons via compaction for hydrogen and CO ₂ storage applications. Journal of Materials Chemistry A, 2014, 2, 10960.	5.2	40
12	Preparation and carbon dioxide uptake capacity of N-doped porous carbon materials derived from direct carbonization of zeolitic imidazolate framework. Carbon, 2014, 79, 213-226.	5.4	144
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14	Directed Synthesis of Nanoporous Carbons from Task-Specific Ionic Liquid Precursors for the Adsorption of CO ₂ . ChemSusChem, 2014, 7, 3284-3289.	3.6	21
15	Decomposition synthesis of tuneable, macroporous carbon foams from crystalline precursors via in situ templating. Journal of Materials Chemistry A, 2014, 2, 18076-18081.	5.2	11
16	Atomistic molecular dynamics simulations reveal insights into adsorption, packing, and fluxes of molecules with carbon nanotubes. Journal of Materials Chemistry A, 2014, 2, 12123-12135.	5.2	41
17	Nitrogen-doped porous carbons from bipyridine-based metal-organic frameworks: Electrocatalysis for oxygen reduction reaction and Pt-catalyst support for methanol electrooxidation. Carbon, 2014, 79, 544-553.	5.4	68
18	Melaleuca bark based porous carbons for hydrogen storage. International Journal of Hydrogen Energy, 2014, 39, 11661-11667.	3.8	50

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19	Enhanced room-temperature hydrogen storage in super-activated carbons: The role of porosity development by activation. <i>Applied Surface Science</i> , 2014, 315, 261-267.	3.1	36
20	Poly(vinylidene chloride)-Based Carbon with Ultrahigh Microporosity and Outstanding Performance for CH ₄ and H ₂ Storage and CO ₂ Capture. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3703-3711.	4.0	110
21	Functional materials derived from open framework templates/precursors: synthesis and applications. <i>Energy and Environmental Science</i> , 2014, 7, 2071.	15.6	619
22	Synthesis and supercapacitor application of nanoporous carbon by the direct carbonization of aluminium salicylate coordination polymer. <i>Journal of Alloys and Compounds</i> , 2014, 607, 23-31.	2.8	6
23	Nanostructured Cu-Pd films for hydrogen applications. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9854-9858.	3.8	4
24	Hierarchical porous graphene-based carbons prepared by carbon dioxide activation and their gas adsorption properties. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 11047-11054.	3.8	61
25	Hydrogen Storage Methods for Fuel Cell Vehicles: Current Status. , 2015, , .		3
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28	High adsorptive properties of covalent triazine-based frameworks (CTFs) for surfactants from aqueous solution. <i>Chemical Communications</i> , 2015, 51, 484-486.	2.2	68
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31	Hydrothermal synthesis of Ni-doped hierarchically porous carbon monoliths for hydrogen storage. <i>Journal of Porous Materials</i> , 2015, 22, 1417-1422.	1.3	11
32	Thermochemical conversion of lignin to functional materials: a review and future directions. <i>Green Chemistry</i> , 2015, 17, 4888-4907.	4.6	437
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35	Thermodynamical model for hydrogen storage capacity in carbon nanostructures. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 4184-4193.	3.8	13
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38	Doping activated carbon incorporated composite MIL-101 using lithium: impact on hydrogen uptake. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7014-7021.	5.2	59
39	Porous nitrogen-doped carbon-immobilized bimetallic nanoparticles as highly efficient catalysts for hydrogen generation from hydrolysis of ammonia borane. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22807-22815.	5.2	58
40	Molecular dynamic simulation of high-quality hydrogen storage in pillared bilayer graphene bubble structure. <i>Computational and Theoretical Chemistry</i> , 2015, 1068, 97-103.	1.1	22
41	Atomically homogeneous dispersed ZnO/N-doped nanoporous carbon composites with enhanced CO ₂ uptake capacities and high efficient organic pollutants removal from water. <i>Carbon</i> , 2015, 95, 113-124.	5.4	58
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50	Synthesis, characterization and DFT studies of zinc-doped copper oxide nanocrystals for gas sensing applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6527-6539.	5.2	157
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