Yunxia Yang

List of Publications by Year
in descending order

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40 papers	1,880 citations	331670 21 h-index	345221 36 g-index
42 all docs	42 docs citations	42 times ranked	3213 citing authors

#	Article	IF	Citations
1	Experimental study and modelling of methane adsorption and diffusion in shale. Fuel, 2014, 117, 509-519.	6.4	362
2	Porous carbon-supported catalysts for energy and environmental applications: A short review. Catalysis Today, 2011, 178, 197-205.	4.4	272
3	Recent trend in thermal catalytic low temperature CO2 methanation: A critical review. Catalysis Today, 2021, 368, 2-19.	4.4	227
4	Biosynthesis of biocompatible cadmium telluride quantum dots using yeast cells. Nano Research, 2010, 3, 481-489.	10.4	161
5	Methane storage in metal organic frameworks. Journal of Materials Chemistry, 2012, 22, 16698.	6.7	153
6	Adsorption characteristics of a fully exchanged potassium chabazite zeolite prepared from decomposition of zeolite Y. Microporous and Mesoporous Materials, 2009, 117, 497-507.	4.4	78
7	Silicaâ€Templated Synthesis of Ordered Mesoporous Tungsten Carbide/Graphitic Carbon Composites with Nanocrystalline Walls and High Surface Areas via a Temperatureâ€Programmed Carburization Route. Small, 2009, 5, 2738-2749.	10.0	76
8	Experimental study of impact of anisotropy and heterogeneity on gas flow in coal. Part I: Diffusion and adsorption. Fuel, 2018, 232, 444-453.	6.4	54
9	Ordered micro-porous carbon molecular sieves containing well-dispersed platinum nanoparticles for hydrogen storage. Microporous and Mesoporous Materials, 2009, 119, 39-46.	4.4	41
10	Controls on methane sorption capacity of Mesoproterozoic gas shales from the Beetaloo Sub-basin, Australia and global shales. International Journal of Coal Geology, 2018, 199, 65-90.	5.0	41
11	A metal-ion-assisted assembly approach to synthesize disulfide-bridged periodical mesoporous organosilicas with high sulfide contents and efficient adsorption. Applied Surface Science, 2010, 256, 5334-5342.	6.1	40
12	Synthesis of Ordered Mesoporous Carbon Materials with Semi-Graphitized Walls via Direct In-situ Silica-Confined Thermal Decomposition of CH4 and Their Hydrogen Storage Properties. Topics in Catalysis, 2009, 52, 12-26.	2.8	36
13	Experimental studies of hydrocarbon separation on zeolites, activated carbons and MOFs for applications in natural gas processing. RSC Advances, 2017, 7, 12629-12638.	3.6	32
14	Micro-channel development and hydrogen adsorption properties in templated microporous carbons containing platinum nanoparticles. Carbon, 2011, 49, 1305-1317.	10.3	30
15	Synthesis of monodispersed CoMoO4 nanoclusters on the ordered mesoporous carbons for environment-friendly supercapacitors. Journal of Alloys and Compounds, 2019, 810, 151841.	5.5	28
16	Adsorption of xylene isomers on ordered hexagonal mesoporous FDU-15 polymer and carbon materials. Adsorption, 2009, 15, 123-132.	3.0	26
17	Molecular Simulation of Propane Adsorption in FAU Zeolites. Journal of Physical Chemistry C, 2012, 116, 9666-9674.	3.1	26
18	Synthesis of large-pore phenyl-bridged mesoporous organosilica with thick walls by evaporation-induced self-assembly for efficient benzene adsorption. Journal of Colloid and Interface Science, 2010, 346, 429-435.	9.4	24

#	Article	IF	Citations
19	Hydrogen adsorption in transition metal carbon nano-structures. Adsorption, 2008, 14, 265-274.	3.0	23
20	Influence of charge compensating cations on propane adsorption in X zeolites: experimental measurement and mathematical modeling. RSC Advances, 2014, 4, 7279.	3.6	23
21	Facile synthesis of hierarchical porous VOx@carbon composites for supercapacitors. Journal of Colloid and Interface Science, 2014, 427, 73-79.	9.4	22
22	Synthesis and electrochemical properties of ordered mesoporous carbon supported well-dispersed cobalt oxide nanoparticles for supercapacitor. Materials Research Bulletin, 2015, 64, 55-60.	5.2	16
23	Hydrothermal synthesis of novel AlPO4-5 brooms and nano-fibers and their templated carbon structures. CrystEngComm, 2009, 11, 739.	2.6	13
24	Synthesis and facile size control of well-dispersed cobalt nanoparticles supported on ordered mesoporous carbon. Journal of Materials Chemistry A, 2014, 2, 19903-19913.	10.3	13
25	Mesoporous Carbon-supported Cu/ZnO for Methanol Synthesis from Carbon Dioxide. Australian Journal of Chemistry, 2014, 67, 907.	0.9	12
26	A facile method to synthesis a mesoporous carbon supported methanol catalyst containing well dispersed Cu/ZnO. Materials Research Bulletin, 2014, 60, 232-237.	5.2	8
27	Bulk synthesis of carbon nanostructures: Hollow stacked-cone-helices by chemical vapor deposition. Materials Research Bulletin, 2008, 43, 2368-2373.	5.2	6
28	Molybdenum Compounds Supported on Ordered Mesoporous Carbon and Their Influence on the Supercapacitive Properties. ECS Solid State Letters, 2013, 2, M29-M32.	1.4	6
29	Preparation and UVâ€“Vis photodegradation of gaseous benzene by TiO₂ nanotube arrays supporting V₂O₅ nanoparticles. Functional Materials Letters, 2015, 08, 1550071.	1.2	5
30	Low-Rank Coal Supported Ni Catalysts for CO2 Methanation. Energies, 2021, 14, 2040.	3.1	5
31	Nanoporous carbon supported metal particles: their synthesis and characterisation. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	4
32	Experimental and Kinetic Study of the Direct Synthesis of Hydrogen Peroxide from Hydrogen and Oxygen over Palladium Catalysts. Industrial & Engineering Chemistry Research, 2019, 58, 20573-20584.	3.7	4
33	Fabrication and electrochemical properties of well-dispersed molybdenum oxide nanoparticles into nitrogen-doped ordered mesoporous carbons for supercapacitors. Materials Research Express, 2019, 6, 105088.	1.6	3
34	Increasing Volumetric CO 2 Uptake of Hypercrosslinked Polymers through Composite Formation. Macromolecular Materials and Engineering, 2019, 304, 1800780.	3.6	3
35	The phase definition and electrochemical property of cobalt-oxide nanoclusters supported on structured carbons. Materials Letters, 2020, 271, 127788.	2.6	3
36	Graphitic N-Free/N-Doped Nanostructured Carbon Molecular Sieves via CVD Method and their Hydrogen Storage. Advanced Materials Research, 0, 66, 179-182.	0.3	1

#	Article	IF	Citations
37	Characterization and Electrochemical Properties of Nitrogen-Doped Ordered Microporous Carbons Containing Well-Dispersed Platinum Nanoparticles. Advanced Materials Research, 0, 284-286, 875-879.	0.3	1
38	Ordered mesoporous carbon-supported mono-dispersed Co and Ruâ€“Co catalysts for low-temperature CO2 methanation. Functional Materials Letters, 2020, 13, 2051019.	1.2	1
39	Electrochemical characterization of ordered microporous carbons containing well-dispersed platinum nanoparticles. , 2010, , .		0
40	Study of Fibrous AlPO₄-5 via Hydrothermal Conditions: Morphology Evolution and Growth Mechanism. Advanced Materials Research, 2012, 535-537, 2535-2539.	0.3	0