

Yunxia Yang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,880
citations

331259

21
h-index

344852

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. <i>Fuel</i> , 2014, 117, 509-519.	3.4	362
2	Porous carbon-supported catalysts for energy and environmental applications: A short review. <i>Catalysis Today</i> , 2011, 178, 197-205.	2.2	272
3	Recent trend in thermal catalytic low temperature CO ₂ methanation: A critical review. <i>Catalysis Today</i> , 2021, 368, 2-19.	2.2	227
4	Biosynthesis of biocompatible cadmium telluride quantum dots using yeast cells. <i>Nano Research</i> , 2010, 3, 481-489.	5.8	161
5	Methane storage in metal organic frameworks. <i>Journal of Materials Chemistry</i> , 2012, 22, 16698.	6.7	153
6	Adsorption characteristics of a fully exchanged potassium chabazite zeolite prepared from decomposition of zeolite Y. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 497-507.	2.2	78
7	Silica-templated Synthesis of Ordered Mesoporous Tungsten Carbide/Graphitic Carbon Composites with Nanocrystalline Walls and High Surface Areas via a Temperature-programmed Carburization Route. <i>Small</i> , 2009, 5, 2738-2749.	5.2	76
8	Experimental study of impact of anisotropy and heterogeneity on gas flow in coal. Part I: Diffusion and adsorption. <i>Fuel</i> , 2018, 232, 444-453.	3.4	54
9	Ordered micro-porous carbon molecular sieves containing well-dispersed platinum nanoparticles for hydrogen storage. <i>Microporous and Mesoporous Materials</i> , 2009, 119, 39-46.	2.2	41
10	Controls on methane sorption capacity of Mesoproterozoic gas shales from the Beetaloo Sub-basin, Australia and global shales. <i>International Journal of Coal Geology</i> , 2018, 199, 65-90.	1.9	41
11	A metal-ion-assisted assembly approach to synthesize disulfide-bridged periodical mesoporous organosilicas with high sulfide contents and efficient adsorption. <i>Applied Surface Science</i> , 2010, 256, 5334-5342.	3.1	40
12	Synthesis of Ordered Mesoporous Carbon Materials with Semi-Graphitized Walls via Direct In-situ Silica-Confined Thermal Decomposition of CH ₄ and Their Hydrogen Storage Properties. <i>Topics in Catalysis</i> , 2009, 52, 12-26.	1.3	36
13	Experimental studies of hydrocarbon separation on zeolites, activated carbons and MOFs for applications in natural gas processing. <i>RSC Advances</i> , 2017, 7, 12629-12638.	1.7	32
14	Micro-channel development and hydrogen adsorption properties in templated microporous carbons containing platinum nanoparticles. <i>Carbon</i> , 2011, 49, 1305-1317.	5.4	30
15	Synthesis of monodispersed CoMoO ₄ nanoclusters on the ordered mesoporous carbons for environment-friendly supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151841.	2.8	28
16	Adsorption of xylene isomers on ordered hexagonal mesoporous FDU-15 polymer and carbon materials. <i>Adsorption</i> , 2009, 15, 123-132.	1.4	26
17	Molecular Simulation of Propane Adsorption in FAU Zeolites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9666-9674.	1.5	26
18	Synthesis of large-pore phenyl-bridged mesoporous organosilica with thick walls by evaporation-induced self-assembly for efficient benzene adsorption. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 429-435.	5.0	24

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19	Hydrogen adsorption in transition metal carbon nano-structures. <i>Adsorption</i> , 2008, 14, 265-274.	1.4	23
20	Influence of charge compensating cations on propane adsorption in X zeolites: experimental measurement and mathematical modeling. <i>RSC Advances</i> , 2014, 4, 7279.	1.7	23
21	Facile synthesis of hierarchical porous VO _x @carbon composites for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2014, 427, 73-79.	5.0	22
22	Synthesis and electrochemical properties of ordered mesoporous carbon supported well-dispersed cobalt oxide nanoparticles for supercapacitor. <i>Materials Research Bulletin</i> , 2015, 64, 55-60.	2.7	16
23	Hydrothermal synthesis of novel AlPO ₄₋₅ brooms and nano-fibers and their templated carbon structures. <i>CrystEngComm</i> , 2009, 11, 739.	1.3	13
24	Synthesis and facile size control of well-dispersed cobalt nanoparticles supported on ordered mesoporous carbon. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19903-19913.	5.2	13
25	Mesoporous Carbon-supported Cu/ZnO for Methanol Synthesis from Carbon Dioxide. <i>Australian Journal of Chemistry</i> , 2014, 67, 907.	0.5	12
26	A facile method to synthesis a mesoporous carbon supported methanol catalyst containing well dispersed Cu/ZnO. <i>Materials Research Bulletin</i> , 2014, 60, 232-237.	2.7	8
27	Bulk synthesis of carbon nanostructures: Hollow stacked-cone-helices by chemical vapor deposition. <i>Materials Research Bulletin</i> , 2008, 43, 2368-2373.	2.7	6
28	Molybdenum Compounds Supported on Ordered Mesoporous Carbon and Their Influence on the Supercapacitive Properties. <i>ECS Solid State Letters</i> , 2013, 2, M29-M32.	1.4	6
29	Preparation and UV-Vis photodegradation of gaseous benzene by TiO ₂ nanotube arrays supporting V ₂ O ₅ nanoparticles. <i>Functional Materials Letters</i> , 2015, 08, 1550071.	0.7	5
30	Low-Rank Coal Supported Ni Catalysts for CO ₂ Methanation. <i>Energies</i> , 2021, 14, 2040.	1.6	5
31	Nanoporous carbon supported metal particles: their synthesis and characterisation. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	4
32	Experimental and Kinetic Study of the Direct Synthesis of Hydrogen Peroxide from Hydrogen and Oxygen over Palladium Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 20573-20584.	1.8	4
33	Fabrication and electrochemical properties of well-dispersed molybdenum oxide nanoparticles into nitrogen-doped ordered mesoporous carbons for supercapacitors. <i>Materials Research Express</i> , 2019, 6, 105088.	0.8	3
34	Increasing Volumetric CO ₂ Uptake of Hypercrosslinked Polymers through Composite Formation. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800780.	1.7	3
35	The phase definition and electrochemical property of cobalt-oxide nanoclusters supported on structured carbons. <i>Materials Letters</i> , 2020, 271, 127788.	1.3	3
36	Graphitic N-Free/N-Doped Nanostructured Carbon Molecular Sieves via CVD Method and their Hydrogen Storage. <i>Advanced Materials Research</i> , 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. <i>Advanced Materials Research</i> , 0, 284-286, 875-879.	0.3	1
38	Ordered mesoporous carbon-supported mono-dispersed Co and Ru ^{II} Co catalysts for low-temperature CO ₂ methanation. <i>Functional Materials Letters</i> , 2020, 13, 2051019.	0.7	1
39	Electrochemical characterization of ordered microporous carbons containing well-dispersed platinum nanoparticles. , 2010, , .		0
40	Study of Fibrous AlPO ₄ -5 via Hydrothermal Conditions: Morphology Evolution and Growth Mechanism. <i>Advanced Materials Research</i> , 2012, 535-537, 2535-2539.	0.3	0