

# 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	Recent trend in thermal catalytic low temperature CO <sub>2</sub> methanation: A critical review. Catalysis Today, 2021, 368, 2-19.	2.2	227
2	Low-Rank Coal Supported Ni Catalysts for CO <sub>2</sub> Methanation. Energies, 2021, 14, 2040.	1.6	5
3	Ordered mesoporous carbon-supported mono-dispersed Co and Ru-Co catalysts for low-temperature CO <sub>2</sub> methanation. Functional Materials Letters, 2020, 13, 2051019.	0.7	1
4	The phase definition and electrochemical property of cobalt-oxide nanoclusters supported on structured carbons. Materials Letters, 2020, 271, 127788.	1.3	3
5	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.	1.8	4
6	Fabrication and electrochemical properties of well-dispersed molybdenum oxide nanoparticles into nitrogen-doped ordered mesoporous carbons for supercapacitors. Materials Research Express, 2019, 6, 105088.	0.8	3
7	Synthesis of monodispersed CoMoO <sub>4</sub> nanoclusters on the ordered mesoporous carbons for environment-friendly supercapacitors. Journal of Alloys and Compounds, 2019, 810, 151841.	2.8	28
8	Increasing Volumetric CO <sub>2</sub> Uptake of Hypercrosslinked Polymers through Composite Formation. Macromolecular Materials and Engineering, 2019, 304, 1800780.	1.7	3
9	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.	1.9	41
10	Experimental study of impact of anisotropy and heterogeneity on gas flow in coal. Part I: Diffusion and adsorption. Fuel, 2018, 232, 444-453.	3.4	54
11	Experimental studies of hydrocarbon separation on zeolites, activated carbons and MOFs for applications in natural gas processing. RSC Advances, 2017, 7, 12629-12638.	1.7	32
12	Preparation and UV-Vis photodegradation of gaseous benzene by TiO <sub>2</sub> nanotube arrays supporting V <sub>2</sub> O <sub>5</sub> nanoparticles. Functional Materials Letters, 2015, 08, 1550071.	0.7	5
13	Synthesis and electrochemical properties of ordered mesoporous carbon supported well-dispersed cobalt oxide nanoparticles for supercapacitor. Materials Research Bulletin, 2015, 64, 55-60.	2.7	16
14	Mesoporous Carbon-supported Cu/ZnO for Methanol Synthesis from Carbon Dioxide. Australian Journal of Chemistry, 2014, 67, 907.	0.5	12
15	Experimental study and modelling of methane adsorption and diffusion in shale. Fuel, 2014, 117, 509-519.	3.4	362
16	Synthesis and facile size control of well-dispersed cobalt nanoparticles supported on ordered mesoporous carbon. Journal of Materials Chemistry A, 2014, 2, 19903-19913.	5.2	13
17	Influence of charge compensating cations on propane adsorption in X zeolites: experimental measurement and mathematical modeling. RSC Advances, 2014, 4, 7279.	1.7	23
18	A facile method to synthesis a mesoporous carbon supported methanol catalyst containing well dispersed Cu/ZnO. Materials Research Bulletin, 2014, 60, 232-237.	2.7	8

#	ARTICLE	IF	CITATIONS
19	Facile synthesis of hierarchical porous VO <sub>x</sub> @carbon composites for supercapacitors. Journal of Colloid and Interface Science, 2014, 427, 73-79.	5.0	22
20	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
21	Study of Fibrous AlPO <sub>4</sub> -5 via Hydrothermal Conditions: Morphology Evolution and Growth Mechanism. Advanced Materials Research, 2012, 535-537, 2535-2539.	0.3	0
22	Molecular Simulation of Propane Adsorption in FAU Zeolites. Journal of Physical Chemistry C, 2012, 116, 9666-9674.	1.5	26
23	Nanoporous carbon supported metal particles: their synthesis and characterisation. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	4
24	Methane storage in metal organic frameworks. Journal of Materials Chemistry, 2012, 22, 16698.	6.7	153
25	Porous carbon-supported catalysts for energy and environmental applications: A short review. Catalysis Today, 2011, 178, 197-205.	2.2	272
26	Micro-channel development and hydrogen adsorption properties in templated microporous carbons containing platinum nanoparticles. Carbon, 2011, 49, 1305-1317.	5.4	30
27	Biosynthesis of biocompatible cadmium telluride quantum dots using yeast cells. Nano Research, 2010, 3, 481-489.	5.8	161
28	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.	5.0	24
29	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.	3.1	40
30	Electrochemical characterization of ordered microporous carbons containing well-dispersed platinum nanoparticles. , 2010, , .		0
31	Adsorption of xylene isomers on ordered hexagonal mesoporous FDU-15 polymer and carbon materials. Adsorption, 2009, 15, 123-132.	1.4	26
32	Synthesis of Ordered Mesoporous Carbon Materials with Semi-Graphitized Walls via Direct In-situ Silica-Confined Thermal Decomposition of CH <sub>4</sub> and Their Hydrogen Storage Properties. Topics in Catalysis, 2009, 52, 12-26.	1.3	36
33	Silica-templated Synthesis of Ordered Mesoporous Tungsten Carbide/Graphitic Carbon Composites with Nanocrystalline Walls and High Surface Areas via a Temperature-programmed Carburization Route. Small, 2009, 5, 2738-2749.	5.2	76
34	Adsorption characteristics of a fully exchanged potassium chabazite zeolite prepared from decomposition of zeolite Y. Microporous and Mesoporous Materials, 2009, 117, 497-507.	2.2	78
35	Ordered micro-porous carbon molecular sieves containing well-dispersed platinum nanoparticles for hydrogen storage. Microporous and Mesoporous Materials, 2009, 119, 39-46.	2.2	41
36	Hydrothermal synthesis of novel AlPO <sub>4</sub> -5 brooms and nano-fibers and their templated carbon structures. CrystEngComm, 2009, 11, 739.	1.3	13

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37	Hydrogen adsorption in transition metal carbon nano-structures. Adsorption, 2008, 14, 265-274.	1.4	23
38	Bulk synthesis of carbon nanostructures: Hollow stacked-cone-helices by chemical vapor deposition. Materials Research Bulletin, 2008, 43, 2368-2373.	2.7	6
39	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
40	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