

# Yunxia Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Recent trend in thermal catalytic low temperature CO <sub>2</sub> methanation: A critical review. <i>Catalysis Today</i> , 2021, 368, 2-19.	4.4	227
2	Low-Rank Coal Supported Ni Catalysts for CO <sub>2</sub> Methanation. <i>Energies</i> , 2021, 14, 2040.	3.1	5
3	Ordered mesoporous carbon-supported mono-dispersed Co and Ru-Co catalysts for low-temperature CO <sub>2</sub> methanation. <i>Functional Materials Letters</i> , 2020, 13, 2051019.	1.2	1
4	The phase definition and electrochemical property of cobalt-oxide nanoclusters supported on structured carbons. <i>Materials Letters</i> , 2020, 271, 127788.	2.6	3
5	Experimental and Kinetic Study of the Direct Synthesis of Hydrogen Peroxide from Hydrogen and Oxygen over Palladium Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 20573-20584.	3.7	4
6	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.	1.6	3
7	Synthesis of monodispersed CoMoO <sub>4</sub> nanoclusters on the ordered mesoporous carbons for environment-friendly supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151841.	5.5	28
8	Increasing Volumetric CO <sub>2</sub> Uptake of Hypercrosslinked Polymers through Composite Formation. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800780.	3.6	3
9	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.	5.0	41
10	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.	6.4	54
11	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.	3.6	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. <i>Functional Materials Letters</i> , 2015, 08, 1550071.	1.2	5
13	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.	5.2	16
14	Mesoporous Carbon-supported Cu/ZnO for Methanol Synthesis from Carbon Dioxide. <i>Australian Journal of Chemistry</i> , 2014, 67, 907.	0.9	12
15	Experimental study and modelling of methane adsorption and diffusion in shale. <i>Fuel</i> , 2014, 117, 509-519.	6.4	362
16	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.	10.3	13
17	Influence of charge compensating cations on propane adsorption in X zeolites: experimental measurement and mathematical modeling. <i>RSC Advances</i> , 2014, 4, 7279.	3.6	23
18	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.	5.2	8

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19	Facile synthesis of hierarchical porous VO <sub>x</sub> @carbon composites for supercapacitors. Journal of Colloid and Interface Science, 2014, 427, 73-79.	9.4	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.	3.1	26
23	Nanoporous carbon supported metal particles: their synthesis and characterisation. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	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.	4.4	272
26	Micro-channel development and hydrogen adsorption properties in templated microporous carbons containing platinum nanoparticles. Carbon, 2011, 49, 1305-1317.	10.3	30
27	Biosynthesis of biocompatible cadmium telluride quantum dots using yeast cells. Nano Research, 2010, 3, 481-489.	10.4	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.	9.4	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.	6.1	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.	3.0	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.	2.8	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.	10.0	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.	4.4	78
35	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
36	Hydrothermal synthesis of novel AlPO <sub>4</sub> -5 brooms and nano-fibers and their templated carbon structures. CrystEngComm, 2009, 11, 739.	2.6	13

#	ARTICLE	IF	CITATIONS
37	Hydrogen adsorption in transition metal carbon nano-structures. Adsorption, 2008, 14, 265-274.	3.0	23
38	Bulk synthesis of carbon nanostructures: Hollow stacked-cone-helices by chemical vapor deposition. Materials Research Bulletin, 2008, 43, 2368-2373.	5.2	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