

# Yunxia Yang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39  
papers

1,459  
citations

19  
h-index

38  
g-index

41  
ext. papers

1,678  
ext. citations

4.7  
avg, IF

4.64  
L-index

#	Paper	IF	Citations
39	Low-Rank Coal Supported Ni Catalysts for CO <sub>2</sub> Methanation. <i>Energies</i> , <b>2021</b> , 14, 2040	3.1	3
38	Recent trend in thermal catalytic low temperature CO <sub>2</sub> methanation: A critical review. <i>Catalysis Today</i> , <b>2021</b> , 368, 2-19	5.3	84
37	Ordered mesoporous carbon-supported mono-dispersed Co and Ru <sup>II</sup> catalysts for low-temperature CO <sub>2</sub> methanation. <i>Functional Materials Letters</i> , <b>2020</b> , 13, 2051019	1.2	1
36	The phase definition and electrochemical property of cobalt-oxide nanoclusters supported on structured carbons. <i>Materials Letters</i> , <b>2020</b> , 271, 127788	3.3	2
35	Increasing Volumetric CO <sub>2</sub> Uptake of Hypercrosslinked Polymers through Composite Formation. <i>Macromolecular Materials and Engineering</i> , <b>2019</b> , 304, 1800780	3.9	2
34	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> , <b>2019</b> , 58, 20573-20584	3.9	1
33	Fabrication and electrochemical properties of well-dispersed molybdenum oxide nanoparticles into nitrogen-doped ordered mesoporous carbons for supercapacitors. <i>Materials Research Express</i> , <b>2019</b> , 6, 105088	1.7	3
32	Synthesis of monodispersed CoMoO <sub>4</sub> nanoclusters on the ordered mesoporous carbons for environment-friendly supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 810, 151841	5.7	16
31	Experimental study of impact of anisotropy and heterogeneity on gas flow in coal. Part I: Diffusion and adsorption. <i>Fuel</i> , <b>2018</b> , 232, 444-453	7.1	27
30	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> , <b>2018</b> , 199, 65-90	5.5	26
29	Experimental studies of hydrocarbon separation on zeolites, activated carbons and MOFs for applications in natural gas processing. <i>RSC Advances</i> , <b>2017</b> , 7, 12629-12638	3.7	20
28	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> , <b>2015</b> , 08, 1550071	1.2	4
27	Synthesis and electrochemical properties of ordered mesoporous carbon supported well-dispersed cobalt oxide nanoparticles for supercapacitor. <i>Materials Research Bulletin</i> , <b>2015</b> , 64, 55-60	5.1	14
26	Experimental study and modelling of methane adsorption and diffusion in shale. <i>Fuel</i> , <b>2014</b> , 117, 509-519	19.1	295
25	Synthesis and facile size control of well-dispersed cobalt nanoparticles supported on ordered mesoporous carbon. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19903-19913	13	12
24	Influence of charge compensating cations on propane adsorption in X zeolites: experimental measurement and mathematical modeling. <i>RSC Advances</i> , <b>2014</b> , 4, 7279	3.7	18
23	A facile method to synthesis a mesoporous carbon supported methanol catalyst containing well dispersed Cu/ZnO. <i>Materials Research Bulletin</i> , <b>2014</b> , 60, 232-237	5.1	6

22	Facile synthesis of hierarchical porous VOx@carbon composites for supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 427, 73-9	9.3	19
21	Mesoporous Carbon-supported Cu/ZnO for Methanol Synthesis from Carbon Dioxide. <i>Australian Journal of Chemistry</i> , <b>2014</b> , 67, 907	1.2	10
20	Molybdenum Compounds Supported on Ordered Mesoporous Carbon and Their Influence on the Supercapacitive Properties. <i>ECS Solid State Letters</i> , <b>2013</b> , 2, M29-M32		6
19	Molecular Simulation of Propane Adsorption in FAU Zeolites. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 9666-9674	3.8	21
18	Nanoporous carbon supported metal particles: their synthesis and characterisation. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	4
17	Methane storage in metal organic frameworks. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 16698		138
16	Study of Fibrous AlPO4-5 via Hydrothermal Conditions: Morphology Evolution and Growth Mechanism. <i>Advanced Materials Research</i> , <b>2012</b> , 535-537, 2535-2539	0.5	
15	Porous carbon-supported catalysts for energy and environmental applications: A short review. <i>Catalysis Today</i> , <b>2011</b> , 178, 197-205	5.3	229
14	Micro-channel development and hydrogen adsorption properties in templated microporous carbons containing platinum nanoparticles. <i>Carbon</i> , <b>2011</b> , 49, 1305-1317	10.4	25
13	Characterization and Electrochemical Properties of Nitrogen-Doped Ordered Microporous Carbons Containing Well-Dispersed Platinum Nanoparticles. <i>Advanced Materials Research</i> , <b>2011</b> , 284-286, 875-879	0.5	1
12	Biosynthesis of biocompatible cadmium telluride quantum dots using yeast cells. <i>Nano Research</i> , <b>2010</b> , 3, 481-489	10	141
11	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> , <b>2010</b> , 346, 429-35	9.3	23
10	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> , <b>2010</b> , 256, 5334-5342	6.7	36
9	Graphitic N-Free/N-Doped Nanostructured Carbon Molecular Sieves via CVD Method and their Hydrogen Storage. <i>Advanced Materials Research</i> , <b>2009</b> , 66, 179-182	0.5	1
8	Adsorption of xylene isomers on ordered hexagonal mesoporous FDU-15 polymer and carbon materials. <i>Adsorption</i> , <b>2009</b> , 15, 123-132	2.6	24
7	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. <i>Topics in Catalysis</i> , <b>2009</b> , 52, 12-26	2.3	33
6	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> , <b>2009</b> , 5, 2738-49	11	69
5	Adsorption characteristics of a fully exchanged potassium chabazite zeolite prepared from decomposition of zeolite Y. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 117, 497-507	5.3	66

4	Ordered micro-porous carbon molecular sieves containing well-dispersed platinum nanoparticles for hydrogen storage. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 119, 39-46	5.3	38
3	Hydrothermal synthesis of novel AlPO <sub>4</sub> -5 brooms and nano-fibers and their templated carbon structures. <i>CrystEngComm</i> , <b>2009</b> , 11, 739	3.3	13
2	Bulk synthesis of carbon nanostructures: Hollow stacked-cone-helices by chemical vapor deposition. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 2368-2373	5.1	6
1	Hydrogen adsorption in transition metal carbon nano-structures. <i>Adsorption</i> , <b>2008</b> , 14, 265-274	2.6	22