

# Yuying Shu

## List of Publications by Year in descending order

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38  
papers

2,381  
citations

186265

28  
h-index

302126

39  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2162  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Induction Period of Methane Aromatization over Mo-Based Catalysts. <i>Journal of Catalysis</i> , 2000, 194, 105-114.	6.2	189
2	Title is missing!. <i>Catalysis Letters</i> , 2000, 70, 67-73.	2.6	146
3	Green Synthesis and Characterization of Anisotropic Uniform Single-Crystal $\gamma$ -MoO <sub>3</sub> Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2401-2408.	3.1	133
4	Promotional Effect of Ru on the Dehydrogenation and Aromatization of Methane in the Absence of Oxygen over Mo/HZSM-5 Catalysts. <i>Journal of Catalysis</i> , 1997, 170, 11-19.	6.2	130
5	Carbonaceous Deposition on Mo/HMCM-22 Catalysts for Methane Aromatization: A TP Technique Investigation. <i>Journal of Catalysis</i> , 2002, 208, 260-269.	6.2	130
6	Methane Dehydro-aromatization under Nonoxidative Conditions over Mo/HZSM-5 Catalysts: EPR Study of the Mo Species on/in the HZSM-5 Zeolite. <i>Journal of Catalysis</i> , 2000, 189, 314-325.	6.2	120
7	Mo/HMCM-22 Catalysts for Methane Dehydroaromatization: A Multinuclear MAS NMR Study. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1786-1793.	2.6	109
8	Synthesis, characterization, and hydrotreating activity of carbon-supported transition metal phosphides. <i>Carbon</i> , 2005, 43, 1517-1532.	10.3	107
9	Title is missing!. <i>Catalysis Letters</i> , 2000, 66, 155-160.	2.6	104
10	Interaction between ammonium heptamolybdate and NH <sub>4</sub> ZSM-5 zeolite: the location of Mo species and the acidity of Mo/HZSM-5. <i>Catalysis Letters</i> , 1995, 35, 233-243.	2.6	100
11	Structure-sensitivity of hydrodesulfurization of 4,6-dimethyldibenzothiophene over silica-supported nickel phosphide catalysts. <i>Journal of Catalysis</i> , 2005, 236, 112-121.	6.2	97
12	Catalytic dehydrocondensation of methane towards benzene and naphthalene on transition metal supported zeolite catalysts: templating role of zeolite micropores and characterization of active metallic sites. <i>Catalysis Today</i> , 2001, 71, 55-67.	4.4	94
13	Pressurized Dehydrocondensation of Methane toward Benzene and Naphthalene on Mo/HZSM-5 Catalyst: Optimization of Reaction Parameters and Promotion by CO <sub>2</sub> Addition. <i>Journal of Catalysis</i> , 2002, 206, 134-142.	6.2	68
14	Assessment of the 3D Pore Structure and Individual Components of Preshaped Catalyst Bodies by X-Ray Imaging. <i>ChemCatChem</i> , 2015, 7, 413-416.	3.7	64
15	In Situ <sup>1</sup> H MAS NMR Spectroscopic Observation of Proton Species on a Mo-Modified HZSM-5 Zeolite Catalyst for the Dehydroaromatization of Methane. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2928-2931.	13.8	62
16	Synthesis and characterization of high surface area molybdenum phosphide. <i>Applied Catalysis A: General</i> , 2007, 316, 160-168.	4.3	61
17	Selective Hydrogenation of Cinnamaldehyde to Hydrocinnamaldehyde over SiO <sub>2</sub> Supported Nickel Phosphide Catalysts. <i>Catalysis Letters</i> , 2008, 124, 219-225.	2.6	56
18	The effect of impregnation sequence on the hydrogenation activity and selectivity of supported Pt/Ni bimetallic catalysts. <i>Applied Catalysis A: General</i> , 2008, 339, 169-179.	4.3	56

#	ARTICLE	IF	CITATIONS
19	Preparation and catalytic performances of ternary phosphides NiCoP for hydrazine decomposition. <i>Applied Catalysis A: General</i> , 2010, 385, 232-237.	4.3	52
20	Highly stable performance of catalytic methane dehydrocondensation towards benzene on Mo/HZSM-5 by a periodic switching treatment with H <sub>2</sub> and CO <sub>2</sub> . <i>Chemical Communications</i> , 2003, , 86-87.	4.1	42
21	Improved methane dehydrocondensation reaction on HMCM-22 and HZSM-5 supported rhenium and molybdenum catalysts. <i>Applied Catalysis A: General</i> , 2003, 252, 315-329.	4.3	41
22	Localization and Speciation of Iron Impurities within a Fluid Catalytic Cracking Catalyst. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14031-14035.	13.8	38
23	The reduction of perchlorate by hydrogenation catalysts. <i>Applied Catalysis B: Environmental</i> , 2008, 81, 78-87.	20.2	37
24	Title is missing!. <i>Catalysis Letters</i> , 2000, 66, 161-167.	2.6	33
25	The synergic effect between Mo species and acid sites in Mo/HMCM-22 catalysts for methane aromatization. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 3102.	2.8	33
26	Carbon-covered Alumina: A Superior Support of Noble Metal-like Catalysts for Hydrazine Decomposition. <i>Catalysis Letters</i> , 2008, 121, 90-96.	2.6	32
27	An MAS NMR Study on the Mo-modified Phosphoric Rare Earth (HZRP-1) Penta-Sil Zeolite Catalyst. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8245-8249.	2.6	31
28	A new type of nonsulfide hydrotreating catalyst: nickel phosphide on carbon. <i>Chemical Communications</i> , 2005, , 1143.	4.1	31
29	Title is missing!. <i>Catalysis Letters</i> , 2002, 81, 9-17.	2.6	26
30	One-pot synthesis and characterization of metal phosphide-doped carbon xerogels. <i>Carbon</i> , 2008, 46, 2076-2082.	10.3	26
31	Structural Changes in Deactivated Fluid Catalytic Cracking Catalysts Determined by Electron Microscopy. <i>ACS Catalysis</i> , 2018, 8, 4591-4599.	11.2	25
32	Resonant Ptychographic Tomography Facilitates Three-Dimensional Quantitative Colocalization of Catalyst Components and Chemical Elements. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22920-22929.	3.1	24
33	Template-free synthesis of molybdenum oxide-based hierarchical microstructures at low temperatures. <i>Journal of Crystal Growth</i> , 2008, 310, 4593-4600.	1.5	23
34	Synthesis and characterization of galloaluminosilicate/gallosilicalite (MFI) and their evaluation in methane dehydro-aromatization. <i>Journal of Molecular Catalysis A</i> , 2001, 168, 139-146.	4.8	17
35	Overgrowth of lamellar silicalite-1 on MFI and BEA zeolites and its consequences on non-oxidative methane aromatization reaction. <i>Microporous and Mesoporous Materials</i> , 2018, 263, 1-10.	4.4	15
36	Correlating Low-temperature Hydrogenation Activity of Co/Pt(111) Bimetallic Surfaces to Supported Co/Pt/ $\beta$ -Al <sub>2</sub> O <sub>3</sub> Catalysts. <i>Catalysis Letters</i> , 2005, 105, 233-238.	2.6	10

#	ARTICLE	IF	CITATIONS
37	A Highly Selective and Coking-Resistant Catalyst for Methane Dehydrocondensation. Chemistry Letters, 2002, 31, 418-419.	1.3	4
38	Highly stable performance of catalytic methane dehydro-condensation to benzene and naphthalene on Mo/HZSM-5 by addition and a periodic switching treatment of H <sub>2</sub> . Studies in Surface Science and Catalysis, 2004, , 553-558.	1.5	4