

# Yizhuo Han

## List of Publications by Year in descending order

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23  
papers

541  
citations

687363

13  
h-index

677142

22  
g-index

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all docs

23  
docs citations

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times ranked

569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogenation of CO <sub>2</sub> into aromatics over a ZnCrO <sub>x</sub> /zeolite composite catalyt. Chemical Communications, 2019, 55, 973-976.	4.1	102
2	Synthesis of isoalkanes over a core (Fe@Zn@Zr) shell (zeolite) catalyst by CO <sub>2</sub> hydrogenation. Chemical Communications, 2016, 52, 7352-7355.	4.1	95
3	MnCl <sub>2</sub> modified H <sub>4</sub> SiW <sub>12</sub> O <sub>40</sub> /SiO <sub>2</sub> catalysts for catalytic oxidation of dimethyl ether to dimethoxymethane. Journal of Molecular Catalysis A, 2007, 263, 149-155.	4.8	52
4	Rhenium oxide-modified H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> /TiO <sub>2</sub> catalysts for selective oxidation of dimethyl ether to dimethoxy dimethyl ether. Green Chemistry, 2014, 16, 4708-4715.	9.0	41
5	Selective oxidation of dimethyl ether to methyl formate over trifunctional MoO <sub>3</sub> @SnO <sub>2</sub> catalyst under mild conditions. Green Chemistry, 2013, 15, 1501.	9.0	29
6	Research on catalytic oxidation of dimethyl ether to dimethoxymethane over MnCl <sub>2</sub> modified heteropolyacid catalysts. Catalysis Communications, 2008, 9, 1916-1919.	3.3	24
7	Low-Temperature Oxidation of Dimethyl Ether to Polyoxymethylene Dimethyl Ethers over CNT-Supported Rhenium Catalyst. Catalysts, 2016, 6, 43.	3.5	24
8	Promotional effects of Sm <sub>2</sub> O <sub>3</sub> on Mn-H <sub>4</sub> SiW <sub>12</sub> O <sub>40</sub> /SiO <sub>2</sub> catalyst for dimethyl ether direct-oxidation to dimethoxymethane. Journal of Industrial and Engineering Chemistry, 2014, 20, 1869-1874.	5.8	20
9	Effects of the MoO <sub>3</sub> structure of Mo@Sn catalysts on dimethyl ether oxidation to methyl formate under mild conditions. Green Chemistry, 2015, 17, 1057-1064.	9.0	19
10	Effects of tetrahedral molybdenum oxide species and MoO <sub>x</sub> domains on the selective oxidation of dimethyl ether under mild conditions. Catalysis Science and Technology, 2016, 6, 2975-2983.	4.1	18
11	Application of modified CNTs with Ti(SO <sub>4</sub> ) <sub>2</sub> in selective oxidation of dimethyl ether. Catalysis Science and Technology, 2016, 6, 7193-7202.	4.1	16
12	Catalytic Oxidation of Dimethyl Ether to Dimethoxymethane over MnCl <sub>2</sub> -H <sub>4</sub> SiW <sub>12</sub> O <sub>40</sub> /SiO <sub>2</sub> Catalyst. Chinese Journal of Catalysis, 2006, 27, 916-920.	14.0	14
13	Vanadium oxide modified H-beta zeolite for the synthesis of polyoxymethylene dimethyl ethers from dimethyl ether direct oxidation. Fuel, 2019, 238, 289-297.	6.4	14
14	Effects of MoO <sub>3</sub> crystalline structure of MoO <sub>3</sub> @SnO <sub>2</sub> catalysts on selective oxidation of glycol dimethyl ether to 1,2-propandiol. Catalysis Science and Technology, 2016, 6, 1842-1849.	4.1	12
15	Catalytic Oxidation of Dimethyl Ether to Dimethoxymethane over Cs Modified H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> /SiO <sub>2</sub> Catalysts. Journal of Natural Gas Chemistry, 2007, 16, 322-325.	1.8	11
16	Selective oxidation conversion of methanol/dimethyl ether. Chemical Communications, 2022, 58, 4687-4699.	4.1	11
17	The effects of the Mo@Sn contact interface on the oxidation reaction of dimethyl ether to methyl formate at a low reaction temperature. Catalysis Science and Technology, 2016, 6, 6109-6117.	4.1	10
18	Ti-SBA-15 supported Cu@MgO catalyst for synthesis of isobutyraldehyde from methanol and ethanol. RSC Advances, 2016, 6, 85940-85950.	3.6	10

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19	Hierarchical H-MOR Zeolite Supported Vanadium Oxide for Dimethyl Ether Direct Oxidation. <i>Catalysts</i> , 2019, 9, 628.	3.5	6
20	Regulation of SBA-15, $\gamma$ -Al <sub>2</sub> O <sub>3</sub> , ZSM-5 and MgO on Molybdenum oxide and Consequent Effect on DME Oxidation Reaction. <i>ChemistrySelect</i> , 2016, 1, 6127-6135.	1.5	5
21	Direct synthesis of isobutyraldehyde from methanol and ethanol on Cu-Mg/Ti-SBA-15 catalysts: the role of Ti. <i>New Journal of Chemistry</i> , 2017, 41, 9639-9648.	2.8	4
22	Oxidative coupling of methane over Mo-Sn catalysts. <i>Chemical Communications</i> , 2021, 57, 13297-13300.	4.1	4
23	Effect of alkaline earth metals on synthesis of isobutyraldehyde from methanol and ethanol over Cu-MeO <sub>x</sub> /Ti-SBA-15 catalysts (Me=Mg, Ca, Sr, Ba). <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1139-1143.		0