Zhou Yasong

List of Publications by Year
in descending order

35 papers	879 citations	516710 16 h-index	477307 29 g-index
35 all docs	35 docs citations	35 times ranked	559 citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodesulfurization of 4,6-dimethyldibenzothiophene over NiMo sulfide catalysts supported on meso-microporous Y zeolite with different mesopore sizes. Applied Catalysis B: Environmental, 2018, 238, 212-224.	20.2	110
2	Synthesis of NiMo Catalysts Supported on Gallium-Containing Mesoporous Y Zeolites with Different Gallium Contents and Their High Activities in the Hydrodesulfurization of 4,6-Dimethyldibenzothiophene. ACS Catalysis, 2017, 7, 7665-7679.	11.2	76
3	[illegible]<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mtext /></mml:mrow></mml:math>Mo<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mtext /></mml:mrow></mml:math>S nanostructure hydrodesulfurization â€“ A mechanism study based on DFT calculations. Journal of Catalysis, 2017, 345, 2	6.2	58
4	Effect of morphology properties of NiW catalysts on hydrodesulfurization for individual sulfur compounds in fluid catalytic cracking diesel. Fuel Processing Technology, 2014, 118, 200-207.	7.2	52
5	4,6-Dimethyldibenzothiophene Hydrodesulfurization on Nickel-Modified USY-Supported NiMoS Catalysts: Effects of Modification Method. Energy & Fuels, 2017, 31, 7445-7455.	5.1	51
6	Synthesis of novel NiMo catalysts supported on highly ordered TiO2-Al2O3 composites and their superior catalytic performance for 4,6-dimethyldibenzothiophene hydrodesulfurization. Applied Catalysis B: Environmental, 2020, 268, 118428.	20.2	50
7	Effects of Ga- and P-modified USY-based NiMoS catalysts on ultra-deep hydrodesulfurization for FCC diesels. Catalysis Today, 2018, 305, 171-181.	4.4	44
8	Synthesis and characterization of Zr incorporated small crystal size Y zeolite supported NiW catalysts for hydrocracking of vacuum gas oil. Fuel, 2019, 237, 597-605.	6.4	39
9	Inhibiting effects of nitrogen compounds on deep hydrodesulfurization of straight-run gas oil over a NiW/Al2O3 catalyst. Fuel, 2017, 188, 401-407.	6.4	35
10	DFT insights into the stacking effects on HDS of 4,6-DMDBT on Ni-Mo-S corner sites. Fuel, 2020, 280, 118669.	6.4	35
11	Substituent effects of 4,6-DMDBT on direct hydrodesulfurization routes catalyzed by Ni-Mo-S active nanoclusterâ€"A theoretical study. Catalysis Today, 2018, 305, 28-39.	4.4	31
12	Effect of direct synthesis Alâ€"SBA-15 supports on the morphology and catalytic activity of the NiMoS phase in HDS of DBT. RSC Advances, 2016, 6, 106680-106689.	3.6	24
13	DFT insights in to the hydrodenitrogenation behavior differences between indole and quinoline. Fuel, 2021, 285, 119039.	6.4	22
14	SAPO-11 molecular sieves synthesized in alcohol-water concentrated gel system with improved acidity, mesoporous volume and hydroisomerization performance. Fuel, 2022, 314, 123131.	6.4	21
15	Synthesis of Ni-Modified ZSM-5 Zeolites and Their Catalytic Performance in n-Octane Hydroconversion. Frontiers in Chemistry, 2020, 8, 586445.	3.6	19
16	Synthesis of mesoporous TiO2-Al2O3 composites supported NiW hydrotreating catalysts and their superior catalytic performance for heavy oil hydrodenitrogenation. Fuel, 2022, 319, 123802.	6.4	18
17	Gallium Modified HUSY Zeolite as an Effective Coâ€support for NiMo Hydrodesulfurization Catalyst and the Catalyst's High Isomerization Selectivity. Chemistry - A European Journal, 2017, 23, 9369-9382.	3.3	17
18	Synthesis and catalytic performance of a small crystal NaY zeolite with high SiO₂/Al₂O₃ ratio. RSC Advances, 2019, 9, 20528-20535.	3.6	17

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19	Competitive adsorption between sulfur- and nitrogen-containing compounds over NiMoS nanocluster: The correlations of electronegativity, morphology and molecular orbital with adsorption strength. Chemical Engineering Science, 2021, 231, 116313.	3.8	17
20	A promising catalyst for hydrodesulfurization: Ni2P â€“ A DFT study. Catalysis Today, 2020, 353, 39-46.	4.4	16
21	Small-crystal and hierarchical SAPO-11 molecular sieve synthesized via three-stage crystallization method and hydroisomerization performance of corresponding NiWS supported catalyst. Fuel, 2022, 324, 124610.	6.4	15
22	Synthesis of nano-sized small-crystal and hierarchical SAPO-11 molecular sieves and superior catalytic performance of their NiWS-supported catalysts in hydroisomerization of n-hexadecane. Microporous and Mesoporous Materials, 2022, 343, 112025.	4.4	15
23	Dual interface engineering of NiO/NiCo2O4/CoO heterojunction within graphene networks for high-performance lithium storage. Electrochimica Acta, 2021, 389, 138536.	5.2	14
24	Synthesis of Nickel In Situ Modified SAPO-11 Molecular Sieves and Hydroisomerization Performance of Their NiWS Supported Catalysts. Frontiers in Chemistry, 2021, 9, 765573.	3.6	13
25	A DFT investigation on the hydrodesulfurization mechanism of 4,6-dimethyldibenzothiophene over different Ni-Mo-S active sites via different direct desulfurization pathways. Fuel, 2022, 308, 121971.	6.4	12
26	A non-noble metal supported catalyst with potential prospect for hydroisomerization of n-hexadecane: Second metal incorporated NiMe/SAPO-11 catalyst with superior hydroisomerization performance. Fuel, 2022, 324, 124517.	6.4	12
27	Substitution of Sulfur Atoms on Ni-Mo-S by Ammonia â€“ A DFT Study. Catalysis Today, 2020, 353, 17-25.	4.4	11
28	Rhenium modification on NiMo/Al2O3 catalyst and effects on the hydrodesulfurization reaction route selectivity of 4,6-dimethyldibenzothiophene. Catalysis Today, 2023, 407, 281-290.	4.4	6
29	Hydrotreating of diesel fuel over in-situ nickel modified Y zeolite supported Ni-Mo-S catalyst. Catalysis Today, 2023, 407, 135-145.	4.4	6
30	Hydroisomerization of n-Hexadecane Over Nickel-Modified SAPO-11 Molecular Sieve-Supported NiWS Catalysts: Effects of Modification Methods. Frontiers in Chemistry, 2022, 10, 857473.	3.6	6
31	DFT insights into the adsorption behavior of 4,6-dimethyldibenzothiophene on the Ni-Mo-S corner sites: Effect of the promoter magnetism. Applied Surface Science, 2021, 569, 150992.	6.1	5
32	Synthesis of highly ordered TiO2-Al2O3 and catalytic performance of its supported NiMo for HDS of 4, 6-dimethyldibenzothiophene. Catalysis Today, 2023, 423, 112716.	4.4	4
33	Role of the solvent evaporating temperature on the NiMo/TiO2-Al2O3 catalyst and the hydrodesulfurization performance for 4,6-dimenthyldibenzothiophehe. Chemical Engineering Journal Advances, 2022, 11, 100319.	5.2	3
34	Influence of ASA composition on its supported Mo catalyst performance for the slurry-phase hydrocracking of vacuum residue. Fuel, 2022, 324, 124628.	6.4	3
35	Effect of Gallium as an Additive Over Corresponding Niâ€“Mo/Î³-Al2O3 Catalysts on the Hydrodesulfurization Performance of 4,6-DMDBT. Frontiers in Chemistry, 2022, 10, 865375.	3.6	2