

# Daohong Xia

## List of Publications by Year in descending order

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33  
papers

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citations

759055

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752573

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docs citations

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times ranked

469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and adsorptive desulfurization performance of the composite material MOF-5@AC. <i>New Journal of Chemistry</i> , 2018, 42, 3840-3850.	1.4	53
2	Cyclodextrin Porous Liquid Materials for Efficient Chiral Recognition and Separation of Nucleosides. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45916-45928.	4.0	50
3	A study of the distribution of sulfur compounds in gasoline produced in China. Part 1. A method for the determination of the distribution of sulfur compounds in light petroleum fractions and gasoline. <i>Fuel</i> , 2001, 80, 607-610.	3.4	37
4	Towards cleaner wastewater treatment for special removal of cationic organic dye pollutants: A case study on application of supramolecular inclusion technology with $\beta$ -cyclodextrin derivatives. <i>Journal of Cleaner Production</i> , 2020, 256, 120308.	4.6	29
5	Impact of Functional Group Methylation on the Disaggregation Trend of Asphaltene: A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29543-29555.	1.5	25
6	Surface chemistry and catalytic performance of amorphous NiB/H $\beta$ catalyst for n-hexane isomerization. <i>Applied Surface Science</i> , 2016, 390, 157-166.	3.1	23
7	Effect of Calcination Temperature on Structural Properties and Catalytic Performance of Novel Amorphous NiP/H $\beta$ Catalyst for n-Hexane Isomerization. <i>Catalysts</i> , 2020, 10, 811.	1.6	18
8	Relationship between surface property and catalytic application of amorphous NiP/H $\beta$ catalyst for n-hexane isomerization. <i>Applied Surface Science</i> , 2017, 425, 448-460.	3.1	17
9	Solid-phase synthesis and catalytic sweetening performance of sulfonated cobalt phthalocyanine from sulfonated phthalic anhydride mixture. <i>New Journal of Chemistry</i> , 2014, 38, 663-668.	1.4	14
10	Copper(II)- $\beta$ -cyclodextrin and CuO functionalized graphene oxide composite for fast removal of thiophenic sulfides with high efficiency. <i>Carbohydrate Polymers</i> , 2020, 228, 115385.	5.1	14
11	A New Strategy for Fuel Desulfurization by Molecular Inclusion with Copper(II)- $\beta$ -cyclodextrin@SiO <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> for Removing Thiophenic Sulfides. <i>Energy &amp; Fuels</i> , 2018, 32, 11421-11431.	2.5	13
12	Effects of Caustic Concentration on the LPG Sweetening. <i>Petroleum Science and Technology</i> , 2005, 23, 711-721.	0.7	12
13	Molecular recognition with cyclodextrin polymer: a novel method for removing sulfides efficiently. <i>RSC Advances</i> , 2017, 7, 38902-38910.	1.7	12
14	Dicationic Ionic Liquid: A Novel Method for Improving the Isomerization Degree of n-Pentane. <i>Energy &amp; Fuels</i> , 2018, 32, 5518-5526.	2.5	12
15	Green Fuel Desulfurization with $\beta$ -Cyclodextrin Aqueous Solution for Thiophenic Sulfides by Molecular Inclusion. <i>Energy &amp; Fuels</i> , 2019, 33, 9690-9701.	2.5	12
16	Screening and Evaluation of Types and Ratio of Monomers of Oil Soluble Viscosity Reducing Agent for Shengli Super Heavy Oil. <i>Petroleum Science and Technology</i> , 2015, 33, 452-459.	0.7	10
17	Enhanced visible-light catalytic degradation of methylene blue by improving adsorption of porous zirconium-based porphyrin MOFs sensitized TiO <sub>2</sub> photocatalyst. <i>Journal of Materials Research</i> , 2021, 36, 2961-2972.	1.2	10
18	Inclusion as an efficient purification method for specific removal of tricyclic organic sulfur/nitrogen pollutants in fuel and effluent with cyclodextrin polymers. <i>Separation and Purification Technology</i> , 2021, 254, 117643.	3.9	9

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19	Insights into the Self-Aggregation of Porphyrins and Their Influence on Asphaltene Aggregation. <i>Energy &amp; Fuels</i> , 2021, 35, 11848-11857.	2.5	8
20	Insight into the mechanism of asphaltene disaggregation by alkylated treatment: An experimental and theoretical investigation. <i>Journal of Molecular Liquids</i> , 2021, 343, 117576.	2.3	8
21	Synthesis and catalytic studies of novel tetra sulfonylphenoxy substituted Co(II), Cu(II), and Ni(II) phthalocyanines for the LPG sweetening. <i>Petroleum Science and Technology</i> , 2016, 34, 130-138.	0.7	7
22	Effective Removal of Phenylamine, Quinoline, and Indole from Light Oil by $\beta$ -Cyclodextrin Aqueous Solution through Molecular Inclusion. <i>Energy &amp; Fuels</i> , 2018, 32, 9280-9288.	2.5	7
23	Bimetallic Bifunctional Pt-NiP/H $\beta$ as a Novel and Highly Efficient Catalyst for n-Hexane Isomerization. <i>Catalysis Surveys From Asia</i> , 2020, 24, 104-114.	1.0	7
24	A Novel Method for Removing Sulfur Compounds from Light Oil by Molecular Recognition with $\beta$ -Cyclodextrin. <i>Petroleum Science and Technology</i> , 2008, 26, 2023-2032.	0.7	6
25	Synthesis, characterization and catalytic oxidation performance of new planar binuclear phthalocyanines sharing the benzene ring. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 904-910.	0.4	6
26	Theoretical study on the atmospheric reaction of CH <sub>3</sub> SH with O <sub>2</sub> . <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25822.	1.0	6
27	Highly selective and sensitive chiral recognition to deoxynucleosides by calixarene oligomers modified silver nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2021, 341, 130044.	4.0	6
28	The Oxidation-Extraction Desulfurization of FCC Gasoline. <i>Petroleum Science and Technology</i> , 2008, 26, 1887-1892.	0.7	3
29	Preparation and catalytic performance of a novel organometallic CoH/H $\beta$ catalyst for n-hexane isomerization. <i>New Journal of Chemistry</i> , 2020, 44, 15646-15653.	1.4	2
30	Chiral induction in a novel self-assembled supramolecular system composed of $\beta$ -cyclodextrin porous liquids, chiral silver nanoparticles and planar conjugated molecules. <i>Soft Matter</i> , 2022, 18, 975-982.	1.2	2
31	A novel Ni-doped micro-mesoporous Y zeolite for high efficiency denitrogenation. <i>Journal of Porous Materials</i> , 2022, 29, 1551-1563.	1.3	2
32	A Novel B-Doped NiP/H $\beta$ Catalyst for n-hexane Isomerization with Synergistic Catalytic Mechanism of Metal Sites and Acid Sites. <i>Catalysis Letters</i> , 2022, 152, 1844-1853.	1.4	1
33	Stability and Activity of CoSPc in LPG Sweetening. <i>Petroleum Science and Technology</i> , 2008, 26, 1381-1389.	0.7	0