

CITATION REPORT

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Kinetic study of hydrodeoxygenation of palmitic acid as a model compound for microalgae oil over Pt/ γ -Al₂O₃

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Applied Catalysis A: General, 2017, 532, 40-49.

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#	Paper	IF	Citations
34	Hydroprocessing Catalysts Containing Noble Metals: Deactivation, Regeneration, Metals Reclamation, and Environment and Safety. <i>Energy & Fuels</i> , 2017 , 31, 5711-5750	4.1	18
33	Ni/Co-Natural Clay as Green Catalysts for Microalgae Oil to Diesel-Grade Hydrocarbons Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5351-5359	8.3	35
32	The comparison of Co, Ni, Mo, CoMo and NiMo sulfided catalysts in rapeseed oil hydrodeoxygenation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 122, 333-341	1.6	11
31	On the production of bio-hydrogenated diesel over hydrotalcite-like supported palladium and ruthenium catalysts. <i>Fuel Processing Technology</i> , 2018 , 169, 142-149	7.2	19
30	Kinetic modeling of fatty acid methyl esters and triglycerides hydrodeoxygenation over nickel and palladium catalysts. <i>Chemical Engineering Journal</i> , 2018 , 334, 2201-2207	14.7	29
29	Activation of Peroxymonosulfate by Fe ₃ O ₄ /xWO ₃ /NiAl Layered Double Hydroxide Composites for the Degradation of 2,4-Dichlorophenoxyacetic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 16308-16317	3.9	21
28	Characterization and Evaluation of Carbon-Supported Noble Metals for the Hydrodeoxygenation of Acetic Acid. <i>Organic Process Research and Development</i> , 2018 , 22, 1628-1635	3.9	4
27	Conceptual process design and simulation of microalgae oil conversion to aviation fuel. <i>Biofuels, Bioproducts and Biorefining</i> , 2018 , 12, 935-948	5.3	8
26	Kinetic and Reactor Modeling of Catalytic Hydrotreatment of Vegetable Oils. <i>Energy & Fuels</i> , 2018 , 32, 7245-7261	4.1	16
25	The selective production of jet fuel range alkanes via the catalytic upgrading of palmitic acid over Co/HMCM-49 catalysts. <i>Chemical Communications</i> , 2019 , 55, 12096-12099	5.8	13
24	Bifunctional and Bimetallic PtRu/HZSM-5 Nanoparticles for the Mild Hydrodeoxygenation of Lignin-Derived 4-Propylphenol. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1053-1062	5.6	14
23	Role of NiMo Alloy and Ni Species in the Performance of NiMo/Alumina Catalysts for Hydrodeoxygenation of Stearic Acid: A Kinetic Study. <i>ACS Omega</i> , 2019 , 4, 2833-2843	3.9	16
22	Catalytic hydrotreatment of pyrolysis oil phenolic compounds over Pt/Al ₂ O ₃ and Pd/C. <i>Fuel</i> , 2019 , 243, 441-448	7.1	11
21	Hydrotreatment of lipid model for diesel-like alkane using nitrogen-doped mesoporous carbon-supported molybdenum carbide. <i>Applied Catalysis B: Environmental</i> , 2019 , 242, 150-160	21.8	34
20	Hydrodeoxygenation of karanja oil using ordered mesoporous nickel-alumina composite catalysts. <i>Catalysis Today</i> , 2020 , 348, 45-54	5.3	12
19	Hydrodeoxygenation of ethyl stearate over Re-promoted Ru/TiO ₂ catalysts: rate enhancement and selectivity control by the addition of Re. <i>Catalysis Science and Technology</i> , 2020 , 10, 222-230	5.5	5
18	Kinetic modelling of hydrogen transfer deoxygenation of a prototypical fatty acid over a bimetallic Pd ₆₀ Cu ₄₀ catalyst: an investigation of the surface reaction mechanism and rate limiting step. <i>Reaction Chemistry and Engineering</i> , 2020 , 5, 1682-1693	4.9	4

17	Theoretical Study of Deoxygenation of Esters on Small Pt _n Intermetallic Clusters. <i>Kinetics and Catalysis</i> , 2020 , 61, 1-39	1.5	3
16	Highly selective Co ₃ O ₄ /silica-alumina catalytic system for deoxygenation of triglyceride-based feedstock. <i>Fuel</i> , 2020 , 266, 117065	7.1	12
15	The Role of Metal Species on Aldehyde Hydrogenation over Co ₁₃ and Ni ₁₃ Supported on γ -Al ₂ O ₃ (110) Surfaces: A Theoretical Study. <i>ChemistrySelect</i> , 2020 , 5, 4058-4068	1.8	2
14	Synthesis of NiMo catalysts supported on Mn-Al ₂ O ₃ for obtaining green diesel from waste soybean oil. <i>Catalysis Today</i> , 2021 , 365, 327-340	5.3	6
13	Deoxygenation of Methyl Oleate and Commercial Biodiesel Over W and Ni-W Catalysts. <i>Waste and Biomass Valorization</i> , 2021 , 12, 2357-2364	3.2	2
12	Highlighting the Greener Shift in Transportation Energy and Fuels Based on Novel Catalytic Materials. <i>Energy & Fuels</i> , 2021 , 35, 25-44	4.1	4
11	Recent advances in the catalytic deoxygenation of plant oils and prototypical fatty acid models compounds: Catalysis, process, and kinetics. <i>Molecular Catalysis</i> , 2021 , 111469	3.3	7
10	Hydrodeoxygenation of aliphatic acid over NiFe intermetallic compounds: Insights into the mechanism via model compound study. <i>Fuel</i> , 2021 , 305, 121545	7.1	3
9	Upgraded methyl oleate to diesel-like hydrocarbons through selective hydrodeoxygenation over Mo-based catalyst. <i>Fuel</i> , 2022 , 308, 122038	7.1	3
8	microalgae.		
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6	Hydrodeoxygenation of stearic acid to produce diesel-like hydrocarbons: kinetic modeling, parameter estimation and simulation. <i>Chemical Engineering Science</i> , 2022 , 254, 117576	4.4	0
5	Product distribution-tuned and excessive hydrocracking inhibiting in fatty acid deoxygenation over amorphous Co@SiO ₂ porous nanorattles. <i>Fuel</i> , 2022 , 318, 123605	7.1	1
4	Hydrocracking, hydrogenation and hydro-deoxygenation of fatty acids, esters and glycerides: Mechanisms, kinetics and transport phenomena. <i>Chemical Engineering Journal</i> , 2022 , 444, 136564	14.7	2
3	Kinetic insights into deoxygenation of vegetable oils to produce second-generation biodiesel. 2023 , 333, 126416		2
2	Understanding the different deoxygenation reaction pathways of lauric acid over alumina-supported Ni and Co catalysts.		0
1	Green Diesel Production via Deoxygenation Process: A Review. 2023 , 16, 844		0