# ZdenÄ›k TiÅ¡ler

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8835779/publications.pdf

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|---|---|---|---|
| 39 papers | 580 citations | 687220 13 h-index | 642610 23 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 628 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Recent advances in Fischer-Tropsch synthesis using cobalt-based catalysts: a review on supports, promoters, and reactors. Catalysis Reviews - Science and Engineering, 2021, 63, 512-595. | 5.7 | 91 |
| 2 | Influence of Mgâ€“Al Mixed Oxide Compositions on Their Properties and Performance in Aldol Condensation. Industrial & Engineering Chemistry Research, 2017, 56, 13411-13422. | 1.8 | 57 |
| 3 | A Review on Production of Light Olefins via Fluid Catalytic Cracking. Energies, 2021, 14, 1089. | 1.6 | 45 |
| 4 | HDO catalysts for triglycerides conversion into pyrolysis and isomerization feedstock. Fuel, 2014, 121, 57-64. | 3.4 | 42 |
| 5 | Alumina-supported MoNx, MoCx and MoPx catalysts for the hydrotreatment of rapeseed oil. Applied Catalysis B: Environmental, 2020, 263, 118328. | 10.8 | 41 |
| 6 | A Review on the Production of Light Olefins Using Steam Cracking of Hydrocarbons. Energies, 2021, 14, 8190. | 1.6 | 35 |
| 7 | Physico-Chemical Properties of MgGa Mixed Oxides and Reconstructed Layered Double Hydroxides and Their Performance in Aldol Condensation of Furfural and Acetone. Frontiers in Chemistry, 2018, 6, 176. | 1.8 | 24 |
| 8 | Clinoptilolite foams prepared by alkali activation of natural zeolite and their post-synthesis modifications. Microporous and Mesoporous Materials, 2019, 282, 169-178. | 2.2 | 23 |
| 9 | Aldol condensation of benzaldehyde and heptanal: a comparative study of laboratory and industrially prepared Mgâ€“Al mixed oxides. Journal of Chemical Technology and Biotechnology, 2018, 93, 166-173. | 1.6 | 19 |
| 10 | Production of Light Olefins via Fischer-Tropsch Process Using Iron-Based Catalysts: A Review. Catalysts, 2022, 12, 174. | 1.6 | 18 |
| 11 | Hydrotreating atmospheric gasoil and co-processing with rapeseed oil using supported Ni-Mo and Co-Mo carbide catalysts. Fuel, 2020, 268, 117363. | 3.4 | 17 |
| 12 | The effect of vanadium content and speciation on the activity of VOx/ZrO2 catalysts in the conversion of ethanol to acetaldehyde. Applied Catalysis A: General, 2018, 564, 208-217. | 2.2 | 16 |
| 13 | Acid and Thermal Treatment of Alkali-Activated Zeolite Foams. Minerals (Basel, Switzerland), 2019, 9, 719. | 0.8 | 14 |
| 14 | Key Role of Precursor Nature in Phase Composition of Supported Molybdenum Carbides and Nitrides. Materials, 2019, 12, 415. | 1.3 | 13 |
| 15 | Modified Alkali Activated Zeolite Foams with Improved Textural and Mechanical Properties. Minerals (Basel, Switzerland), 2020, 10, 483. | 0.8 | 13 |
| 16 | Hydrotreating of Atmospheric Gas Oil and Co-Processing with Rapeseed Oil Using Sulfur-Free PMoCx/Al<sub>2</sub>O<sub>3</sub> Catalysts. ACS Omega, 2021, 6, 7680-7692. | 1.6 | 11 |
| 17 | Aldol Condensation of Cyclohexanone and Furfural in Fixed-Bed Reactor. Catalysts, 2019, 9, 1068. | 1.6 | 10 |
| 18 | Characterization of Modified Natural Minerals and Rocks for Possible Adsorption and Catalytic Use. Molecules, 2020, 25, 4989. | 1.7 | 10 |

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|---|---|---|---|
| 19 | Aldol Condensation of Benzaldehyde and Heptanal Over Zinc Modified Mixed Mg/Al Oxides. Catalysis Letters, 2018, 148, 2042-2057. | 1.4 | 9 |
| 20 | Cobalt Based Catalysts on Alkali-Activated Zeolite Foams for N2O Decomposition. Catalysts, 2020, 10, 1398. | 1.6 | 9 |
| 21 | Cold Plasma and Acid Treatment Modification Effects on Phonolite. Acta Chimica Slovenica, 2017, 64, 598-602. | 0.2 | 8 |
| 22 | Solvent-Free Synthesis of Jasminaldehyde in a Fixed-Bed Flow Reactor over Mg-Al Mixed Oxide. Catalysts, 2020, 10, 1033. | 1.6 | 7 |
| 23 | Oxalic Acid as a Hydrogen Donor for the Hydrodesulfurization of Gas Oil and Deoxygenation of Rapeseed Oil Using Phonolite-Based Catalysts. Molecules, 2020, 25, 3732. | 1.7 | 6 |
| 24 | Highly Active Catalysts for the Dehydration of Isopropanol. Catalysts, 2020, 10, 719. | 1.6 | 6 |
| 25 | Hydrocracking of Heavy Fischerâ€“Tropsch Wax Distillation Residues and Its Blends with Vacuum Gas Oil Using Phonolite-Based Catalysts. Molecules, 2021, 26, 7172. | 1.7 | 6 |
| 26 | Raman Spectroscopy as Molybdenum and Tungsten Content Analysis Tool for Mesoporous Silica and Beta Zeolite Catalysts. Molecules, 2020, 25, 4918. | 1.7 | 5 |
| 27 | Mesityl Oxide Reduction by Using Acid-Modified Phonolite Supported NiW, NiMo, and CoMo Catalysts. Catalysts, 2021, 11, 1101. | 1.6 | 4 |
| 28 | The influence of long-term exposure of Mgâ€“Al mixed oxide at ambient conditions on its transition to hydrotalcite. Journal of Solid State Chemistry, 2021, 304, 122556. | 1.4 | 4 |
| 29 | Comparison of the properties and catalytic activity of commercially and laboratory prepared Mg/Al mixed oxides in aldol condensation of cyclohexanone with furfural. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 219-235. | 0.8 | 3 |
| 30 | CoMn Catalysts Derived from Hydrotalcite-Like Precursors for Direct Conversion of Syngas to Fuel Range Hydrocarbons. Catalysts, 2020, 10, 813. | 1.6 | 3 |
| 31 | Influences of Magnesium Content in Rehydrated Mixed Oxides on Furfural Conversion. Catalysts, 2020, 10, 1484. | 1.6 | 3 |
| 32 | Cleaner Fuel Production via Co-Processing of Vacuum Gas Oil with Rapeseed Oil Using a Novel NiW/Acid-Modified Phonolite Catalyst. Energies, 2021, 14, 8497. | 1.6 | 3 |
| 33 | Influence of the Addition of Blast Furnace Slag to Alkali-Activated Mixtures Based on Natural Zeolites. Minerals (Basel, Switzerland), 2021, 11, 1307. | 0.8 | 2 |
| 34 | Triglycerides transesterification over Mg-Al and Mg-Fe mixed oxides catalysts: Influence of extrusion additives. Molecular Catalysis, 2021, 516, 111946. | 1.0 | 1 |
| 35 | Phonolite Material as Catalyst Support for the Hydrotreatment of Gas Oil and Vegetable Oil Type Feedstocks. Materials, 2022, 15, 386. | 1.3 | 1 |
| 36 | Direct Polypropylene and Polyethylene Liquefaction in CO2 and N2 Atmospheres Using MgO Light and CaO as Catalysts. Materials, 2022, 15, 844. | 1.3 | 1 |

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|---|---|---|---|
| 37 | Biodiesel: Modified Mixed Oxides as Catalyst for Transesterification of Rapeseed Oil. Catalysts, 2020, 10, 1397. | 1.6 | 0 |
| 38 | Polypropylene and rendering fat degrading to value-added chemicals by direct liquefaction and fast-pyrolysis. Biomass Conversion and Biorefinery, 2024, 14, 1027-1036. | 2.9 | 0 |
| 39 | Co-processing of Atmospheric Gas Oil with Rapeseed Oil Over Sulfur-Free Supported and Phosphorus-Modified Co-Mo and Ni-Mo Carbide Catalysts. Catalysis Letters, 0, , 1. | 1.4 | 0 |