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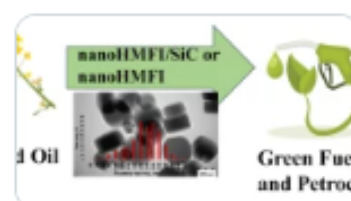
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## Novel Catalysts Based on Nanosized ZSM-5 and Silicon Carbide for Converting Rapeseed Oil to “Green” Hydrocarbons

Alexey G. Dedov, Alexey S. Loktev ... Kirill A. Cherednichenko

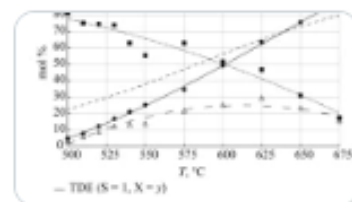
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## Kinetic Features of Cumene Dehydrogenation over Porous Catalytic Converters

Alexey S. Fedotov, Danil Yu. Grachev & Roman D. Kapustin

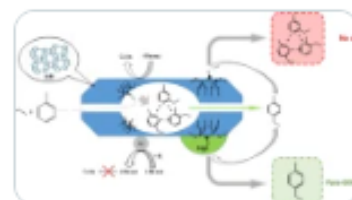
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## Selective Alkylation of Toluene with Diethyl Carbonate over MgO- and Pd-Modified ZSM-5 Catalysts

Michail D. Kryuchkov, Leonid A. Kulikov ... Anton L. Maximov

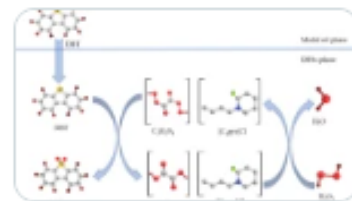
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Hongyin Yu, Rongxiang Zhao ... Liangpei Hou

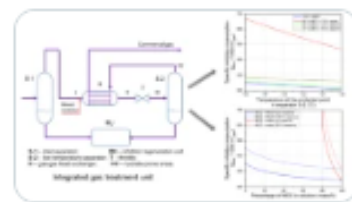
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## Possibilities of Application of a Mixed Hydrate Formation Inhibitor Based on Methanol and Monoethylene Glycol

V. B. Krapivin, E. G. Muratova ... A. P. Semenov

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## Novel Catalysts for Producing “Green” Intermediates for Petrochemical Synthesis from Wood Waste

Alexey G. Dedov, Maya V. Kulikova ... Mark A. Manzhikov

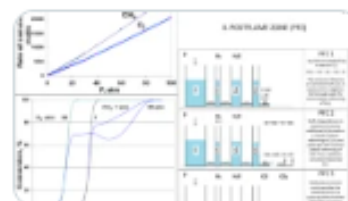
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## High-Pressure Non-Catalytic Partial Oxidation of Methane

Valery I. Savchenko, Alexey V. Ozerskii ... Vladimir S. Arutyunov

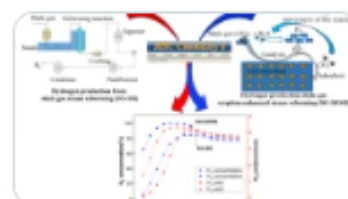
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## Study on the Hydrogen Production Characteristics of Sorption-Enhanced Steam Reforming of Shale Gas Using Calcium-Based Adsorbents

Lipei Qiu, Sha Wang ... Cong Shi

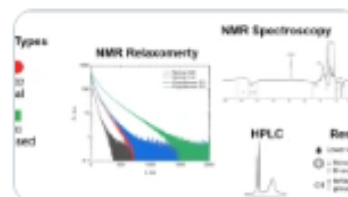
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## Structural Group Composition Analysis of Some Plasticizers and Their Plant-Based Equivalents Using High-Performance Liquid Chromatography, NMR Spectroscopy, and NMR Relaxometry

Marsel Fazlyyyakhmatov, Ilfat Rakhmatullin ... Mikhail Varfolomeev

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## Eco-Friendly Reduction of Graphene Oxide- $Co_3O_4$ from Waste Material for Rapid Oxidative Desulfurization of Sulfur Compounds Using a Digital Baffle Batch Reactor: Production of Clean Fuel

Jasim I. Humadi, Qahtan A. Mahmood ... Rajesh Haldhar

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