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Polycondensation

Heterogeneous basic catalysts for the transesterification and the polycondensation reactions in PET production from DMT (Di Serio, M. (212) 251)

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- Self-reduction
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- Surface acidity
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- Surface-enhanced Raman spectroscopy (SERS)
 Surface Raman characterization of cinchonidine-modified platinum in ethanol: effects of liquid-phase concentration and co-adsorbed hydrogen (LeBlanc, R.J. (212) 277)
- Synthesis
 Synthesis, catalytic activity and recycle of novel dimeric salen-Mn(III) complexes in asymmetric epoxidation (Xinwen, L. (212) 353)

tert-butyl alcohol

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Transesterification

Heterogeneous basic catalysts for the transesterification and the polycondensation reactions in PET production from DMT (Di Serio, M. (212) 251)

Transmethylation

Transmethylation of olefin via *S*-methylsulfonium salts obtained by desulfurization of light oil (Shiraishi, Y. (212) 115)

Tris(pyrazolyl)borate imido vanadium

Tris(pyrazolyl)borate imido vanadium (V) compound immobilized on inorganic supports and its use in ethylene polymerization (Casagrande, A.C.A. (212) 267)

UHMWPE

Tris(pyrazolyl)borate imido vanadium (V) compound immobilized on inorganic supports and its use in ethylene polymerization (Casagrande, A.C.A. (212) 267)

 α,β -Unsaturated acid

Solvent effect on the structure sensitivity in enantioselective hydrogenation of α,β -unsaturated acids with modified palladium catalysts (Nitta, Y. (212) 155)

Urea

Magnetic resonance studies of reactions of urea and nitric oxide on FeZSM-5, HZSM-5 and silicalite (Jones, C.A. (212) 329)

UV/TiO₂

Photocatalytic reduction of carbonate in aqueous solution by UV/TiO₂ process (Ku, Y. (212) 191)

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Nafion[®]-supported vanadium oxidation catalysts: redox *versus* acid-catalysed ring opening of 2-substituted cycloalkanones by dioxygen (El Aakel, L. (212) 171)

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Selective *C*-methylation of phenol with methanol over borate zirconia solid catalyst (Malshe, K.M. (212) 337)

Zeolite

New hetero-bimetallic Pd-Cu catalysts for the one-pot indole synthesis via the Sonogashira reaction (Chouzier, S. (212) 43)

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A phosgene-free process for the synthesis of methyl *N*-phenyl carbamate by the reaction of aniline with methyl carbamate (Li, Q.-F. (212) 99)