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Trimethylaluminium

IRS study of ethylene polymerization catalyst SiO₂/methylaluminumoxane/zirconocene (Panchenko, V.N. (142) 27)

Tris-pyrazolyl borates ligands

Regioselective homogeneous hydrogenation of quinoline by use of pyrazolyl borate ligand and transition metal complexes as a precatalyst (Alvarado, Y. (142) 163)

UV–VIS

Structures of molybdenum silica catalysts reduced by ethanol, and their relations to catalytic oxidation reactions. I. Structure changes of Mo/SiO₂ with gradual reduction by ethanol (Kikutani, Y. (142) 247)

Structures of molybdenum silica catalysts reduced by ethanol, and their relations to catalytic oxidation reactions. II. Redox mechanism for catalytic oxidation of ethanol and methanol (Kikutani, Y. (142) 265)

Water-soluble bimetallic catalysts

A remarkable synergic effect of water-soluble bimetallic catalyst in the hydrogenation of aromatic nitrocompounds (Jiang, H. (142) 147)

Water-soluble ligands

Surface active rhodium catalysts for hydroformylation of higher alkenes in two-phase systems (Karakhanov, E.A. (142) 339)

Wittig reaction

Study of the Wittig reaction of benzyltriphenylphosphonium salt and benzaldehyde via ylide-mediated phase-transfer catalysis. Substituent and solvent effects (Hwang, J.-J. (142) 125)

XPS

Acid-redox properties of titania-supported 12-molybdophosphates for methanol oxidation (Damyanova, S. (142) 85)

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Ruthenium(II) complexes with 2,6-pyridyl-diimine ligands: synthesis, characterization and catalytic activity in epoxidation reactions (Çetinkaya, B. (142) 101)

Zirconium phosphate

The mechanism of gas-phase dehydration of cyclohexanol and the methylcyclohexanols catalysed by zirconium phosphate and zirconium phosphite (Cruz Costa, M.C. (142) 349)