

Journal of Molecular Catalysis A: Chemical 222 (2004) 279-283



www.elsevier.com/locate/molcata

Subject index

Acid property

Phenol oxidation over alkaline earth metal ion exchange beta zeolite in the presence of ketone (Atoguchi, T. (222) 253)

Acrylic acid

Oxidation of propane to acrylic acid over vanadyl pyrophosphate: modifications of the structural and acid properties during the precursor activation and their relationship with catalytic performances (Landi, G. (222) 175)

Addition

Intermolecular hydroamination of alkynes catalyzed by zinc-exchanged montmorillonite clay (Shanbhag, G.V. (222) 223)

Alkaline earth metal ion exchange

Phenol oxidation over alkaline earth metal ion exchange beta zeolite in the presence of ketone (Atoguchi, T. (222) 253)

Alkylation

Friedel–crafts alkylation of α -methylnaphthalene in the presence of ionic liquids (Zhao, Z.-K. (222) 207)

Alkyne

Intermolecular hydroamination of alkynes catalyzed by zinc-exchanged montmorillonite clay (Shanbhag, G.V. (222) 223)

Al-MCM-41

Effect of the solvent in the liquid phase rearrangement of 1,2-epox-yoctane over Al-MCM-41 and Al-TS-1 catalysts (van Grieken, R. (222) 167)

Al-TS-

Effect of the solvent in the liquid phase rearrangement of 1,2-epox-yoctane over Al-MCM-41 and Al-TS-1 catalysts (van Grieken, R. (222) 167)

Alumina

Colloidal RuB/Al₂O₃·xH₂O catalyst for liquid phase hydrogenation of benzene to cyclohexene (Wang, J. (222) 229)

Aluminum hydroxide

Colloidal RuB/ Al_2O_3 : xH_2O catalyst for liquid phase hydrogenation of benzene to cyclohexene (Wang, J. (222) 229)

Amido complexes

Diphosphinoazine palladium(II) complexes as catalysts for the Heck reaction of bromides and an activated chloride (Včelák, J. (222) 121)

Synthesis of novel palladium-carbene complexes as efficient catalysts for amination of aryl chlorides in ionic liquid (Özdemir, İ. (222) 97)

Amine

Intermolecular hydroamination of alkynes catalyzed by zinc-exchanged montmorillonite clay (Shanbhag, G.V. (222) 223)

Amine-phosphine complex

Piperidine as ancillary ligand in the novel [RuCl₂(PPh₃)₂(piperidine)] complex for metathesis polymerization of norbornene and norbornadiene (Matos, J.M.E. (222) 81)

Apohemoglobin

Interaction of apoHb and various Fe-porphyrins (Jianyu, L. (222) 75)

Basic catalysis

Gas-phase hydrogen transfer reduction of α,β -unsaturated ketones on Mg-based catalysts (Cosimo, J.I.D. (222) 87)

Benzene

Colloidal RuB/Al $_2$ O $_3$:xH $_2$ O catalyst for liquid phase hydrogenation of benzene to cyclohexene (Wang, J. (222) 229)

Beta zeolite

Phenol oxidation over alkaline earth metal ion exchange beta zeolite in the presence of ketone (Atoguchi, T. (222) 253)

Bromoarenes

Diphosphinoazine palladium(II) complexes as catalysts for the Heck reaction of bromides and an activated chloride (Včelák, J. (222) 121)

Carbene

Hydrogen bonding ligand functionality and catalytic selectivity in homogeneous hydrosilation of enones with rhodium complexes (Rivera, G. (222) 59)

Carvon

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Catalysis

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part II: Catalytic behavior for the oligomerization and polymerization of ethene and characterization of the resulting products (Schmidt, R. (222) 17)

Co(III)-containing mesoporous silica as an efficient catalyst in selective dihydroxylation of cyclohexene (Samanta, S. (222) 235)

Intermolecular hydroamination of alkynes catalyzed by zinc-exchanged montmorillonite clay (Shanbhag, G.V. (222) 223)

Nickel(II) and manganese(III) tetraazaannulenes complexes encapsulated in porous Vycor glass (PVG): investigation of catalytic activity (Caiut, J.M.A. (222) 213)

Catalyst deactivation

Screening of Pd and Ni supported on sol-gel derived oxides for dichloromethane hydrodechlorination (Aristizábal, B. (222) 189)

Catalyst recycling

A new temperature-dependent solvent system based on polyethylene glycol 1000 and its use in rhodium catalyzed cooligomerization (Behr, A. (222) 127)

Catalyst/cocatalyst interactions

N,*N*,*N*-Tridentate iron(II) and vanadium(III) complexes. Part III. UV–vis spectroscopic studies of reactions of ethene-oligomerization and polymerization catalysts with methyl aluminoxane cocatalyst (Schmidt, R. (222) 27)

Catalytic degradation

Catalytic degradation of expandable polystyrene waste (EPSW) over mordenite and modified mordenites (Chumbhale, V.R. (222) 133)

Catalytic hydrodechlorination

Screening of Pd and Ni supported on sol-gel derived oxides for dichloromethane hydrodechlorination (Aristizábal, B. (222) 189)

Catalytic study

Oxidative addition reaction of rhodium(I) carbonyl complexes of the pyridine-aldehyde ligands and their catalytic activity in carbonylation reaction (Kumari, N. (222) 53)

Characterization

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part I. Synthesis and characterization (Schmidt, R. (222) 9)

Chloroarenes

Diphosphinoazine palladium(II) complexes as catalysts for the Heck reaction of bromides and an activated chloride (Včelák, J. (222) 121)

Citral

Oxidations by the system "hydrogen peroxide—dinuclear mangane-se(IV) complex—carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Citronellal

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Clean fuels

Hydrogen generation by laser transformation of methanol using n-type WO₃ semiconductor catalyst (Gondal, M.A. (222) 259)

Cobal

Co(III)-containing mesoporous silica as an efficient catalyst in selective dihydroxylation of cyclohexene (Samanta, S. (222) 235)

Conjugated methyl linoleate

A new temperature-dependent solvent system based on polyethylene glycol 1000 and its use in rhodium catalyzed cooligomerization (Behr, A. (222) 127)

Cooligomerization

A new temperature-dependent solvent system based on polyethylene glycol 1000 and its use in rhodium catalyzed cooligomerization (Behr, A. (222) 127)

Crystallinity

Oxidation of propane to acrylic acid over vanadyl pyrophosphate: modifications of the structural and acid properties during the precursor activation and their relationship with catalytic performances (Landi, G. (222) 175)

Cyclohexene

Colloidal RuB/Al₂O₃·xH₂O catalyst for liquid phase hydrogenation of benzene to cyclohexene (Wang, J. (222) 229)

Cyclohexene dihydroxylation

Co(III)-containing mesoporous silica as an efficient catalyst in selective dihydroxylation of cyclohexene (Samanta, S. (222) 235)

Cyclooctane

A comparative study between Keggin-type tungstophosphates and tungstosilicates in the oxidation of cyclooctane with hydrogen peroxide (Balula, M.S.S. (222) 159)

Dealumination

Catalytic degradation of expandable polystyrene waste (EPSW) over mordenite and modified mordenites (Chumbhale, V.R. (222) 133)

Dehalogenation

Nickel(II) and manganese(III) tetraazaannulenes complexes encapsulated in porous Vycor glass (PVG): investigation of catalytic activity (Caiut, J.M.A. (222) 213)

Density-functional theory

Correlating the electronic properties and HDN reactivities of organonitrogen compounds: an ab initio DFT study (Sun, M. (222) 243)

Dichloromethane

Screening of Pd and Ni supported on sol-gel derived oxides for dichloromethane hydrodechlorination (Aristizábal, B. (222) 189)

Dimethyl oxalate

A comparative study of supported ${\rm TiO_2}$ catalysts and activity in ester exchange between dimethyl oxalate and phenol (Ma, X. (222) 183)

Diphenyl carbonate

A comparative study of supported TiO_2 catalysts and activity in ester exchange between dimethyl oxalate and phenol (Ma, X. (222) 183)

Diphenyl oxalate

A comparative study of supported ${\rm TiO_2}$ catalysts and activity in ester exchange between dimethyl oxalate and phenol (Ma, X. (222) 183)

Diphosphinoazine palladium(II) complexes as catalysts for the Heck reaction of bromides and an activated chloride (Včelák, J. (222) 121)

Electronic structures

Correlating the electronic properties and HDN reactivities of organonitrogen compounds: an ab initio DFT study (Sun, M. (222) 243)

Enantio-differentiating hydrogenation

Enantio-differentiating hydrogenation of methyl acetoacetate over tartaric acid-modified nickel catalysts: effects of preparation method of supported nickel on activity and selectivity of catalysts (Jo, D. (222) 199)

Enantioselectivity

Chiral rhodium complexes containing bidentate ligands derived from (R,R)-1,2-diaminocyclohexane for catalytic enantioselective hydrosily-lation of acetophenone (Arena, C.G. (222) 47)

Epoxidation

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Epoxides

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

1,2-Epoxyoctane

Effect of the solvent in the liquid phase rearrangement of 1,2-epox-yoctane over Al-MCM-41 and Al-TS-1 catalysts (van Grieken, R. (222) 167)

Ethene oligomerization and polymerization

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part II: Catalytic behavior for the oligomerization and polymerization of ethene and characterization of the resulting products (Schmidt, R. (222) 17)

Fuel cells

Hydrogen generation by laser transformation of methanol using n-type WO₃ semiconductor catalyst (Gondal, M.A. (222) 259)

Functionalized silica

Hydroformylation of functionalized olefins catalyzed by SiO_2 -tethered rhodium complexes (Marchetti, M. (222) 143)

H-BEA

Phenol oxidation over alkaline earth metal ion exchange beta zeolite in the presence of ketone (Atoguchi, T. (222) 253)

H-beta

Intermolecular hydroamination of alkynes catalyzed by zinc-exchanged montmorillonite clay (Shanbhag, G.V. (222) 223)

Heck reaction

Diphosphinoazine palladium(II) complexes as catalysts for the Heck reaction of bromides and an activated chloride (Včelák, J. (222) 121)

N-heterocyclic carbene

Synthesis of novel palladium-carbene complexes as efficient catalysts for amination of aryl chlorides in ionic liquid (Özdemir, İ. (222) 97)

Homogeneous catalysis

Molybdenum and tungsten complexes of composition (η^5 - C_5R_5)MR'(CO)₃ and their use as olefin epoxidation catalyst precursors (Zhao, J. (222) 265)

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

HY and USY

Friedel–crafts alkylation of α -methylnaphthalene in the presence of ionic liquids (Zhao, Z.-K. (222) 207)

Hydroamination

Intermolecular hydroamination of alkynes catalyzed by zinc-exchanged montmorillonite clay (Shanbhag, G.V. (222) 223)

Hydrodenitrogenation

Correlating the electronic properties and HDN reactivities of organonitrogen compounds: an ab initio DFT study (Sun, M. (222) 243)

Hydroformylation

Hydroformylation of functionalized olefins catalyzed by SiO₂-tethered rhodium complexes (Marchetti, M. (222) 143)

Hydrogen

Hydrogen generation by laser transformation of methanol using n-type WO₃ semiconductor catalyst (Gondal, M.A. (222) 259)

Hydrogen peroxide

A comparative study between Keggin-type tungstophosphates and tungstosilicates in the oxidation of cyclooctane with hydrogen peroxide (Balula, M.S.S. (222) 159)

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Phenol oxidation over alkaline earth metal ion exchange beta zeolite in the presence of ketone (Atoguchi, T. (222) 253)

Hydrogen transfer

Gas-phase hydrogen transfer reduction of α,β -unsaturated ketones on Mg-based catalysts (Cosimo, J.I.D. (222) 87)

Hydrogenation

Colloidal RuB/Al₂O₃.xH₂O catalyst for liquid phase hydrogenation of benzene to cyclohexene (Wang, J. (222) 229)

Correlating the electronic properties and HDN reactivities of organonitrogen compounds: an ab initio DFT study (Sun, M. (222) 243)

Hydrophilicity

Colloidal RuB/Al₂O₃·xH₂O catalyst for liquid phase hydrogenation of benzene to cyclohexene (Wang, J. (222) 229)

Hydrosilation

Chiral rhodium complexes containing bidentate ligands derived from (R,R)-1,2-diaminocyclohexane for catalytic enantioselective hydrosilylation of acetophenone (Arena, C.G. (222) 47)

Hydrogen bonding ligand functionality and catalytic selectivity in homogeneous hydrosilation of enones with rhodium complexes (Rivera, G. (222) 59)

Hydrotreating

Correlating the electronic properties and HDN reactivities of organonitrogen compounds: an ab initio DFT study (Sun, M. (222) 243)

Imidazolidinylidine

Synthesis of novel palladium-carbene complexes as efficient catalysts for amination of aryl chlorides in ionic liquid (Özdemir, İ. (222) 97)

Ion exchange

Intermolecular hydroamination of alkynes catalyzed by zinc-exchanged montmorillonite clay (Shanbhag, G.V. (222) 223)

Ionic liquid

Synthesis of novel palladium–carbene complexes as efficient catalysts for amination of aryl chlorides in ionic liquid (Özdemir, İ. (222) 97)

Friedel–crafts alkylation of α -methylnaphthalene in the presence of ionic liquids (Zhao, Z.-K. (222) 207)

Iron(II) complexes

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part I. Synthesis and characterization (Schmidt, R. (222) 9)

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part II: Catalytic behavior for the oligomerization and polymerization of ethene and characterization of the resulting products (Schmidt, R. (222) 17)

*N,N,N-*Tridentate iron(II) and vanadium(III) complexes. Part III. UV–vis spectroscopic studies of reactions of ethene-oligomerization and polymerization catalysts with methyl aluminoxane cocatalyst (Schmidt, R. (222) 27)

K-10

Intermolecular hydroamination of alkynes catalyzed by zinc-exchanged montmorillonite clay (Shanbhag, G.V. (222) 223)

Keggin-type polyoxometalates

A comparative study between Keggin-type tungstophosphates and tungstosilicates in the oxidation of cyclooctane with hydrogen peroxide (Balula, M.S.S. (222) 159)

Kinetic study

Oxidative addition reaction of rhodium(I) carbonyl complexes of the pyridine-aldehyde ligands and their catalytic activity in carbonylation reaction (Kumari, N. (222) 53)

Kinetics

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Laser applications

Hydrogen generation by laser transformation of methanol using n-type WO₃ semiconductor catalyst (Gondal, M.A. (222) 259)

Laser

Hydrogen generation by laser transformation of methanol using n-type WO₃ semiconductor catalyst (Gondal, M.A. (222) 259)

Limonene

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Linalool

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Long-chain alkenes

Friedel–crafts alkylation of α -methylnaphthalene in the presence of ionic liquids (Zhao, Z.-K. (222) 207)

Manganese

Nickel(II) and manganese(III) tetraazaannulenes complexes encapsulated in porous Vycor glass (PVG): investigation of catalytic activity (Caiut, J.M.A. (222) 213)

Manganese complexes

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

MAO-activated complexes

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part III. UV–vis spectroscopic studies of reactions of ethene-oligomerization and polymerization catalysts with methyl aluminoxane cocatalyst (Schmidt, R. (222) 27)

Mesoporous materials

Co(III)-containing mesoporous silica as an efficient catalyst in selective dihydroxylation of cyclohexene (Samanta, S. (222) 235)

Metalloporphyrins

Interaction of apoHb and various Fe-porphyrins (Jianyu, L. (222) 75) Methanol

Hydrogen generation by laser transformation of methanol using n-type WO_3 semiconductor catalyst (Gondal, M.A. (222) 259)

Methyl acetoacetate

Enantio-differentiating hydrogenation of methyl acetoacetate over tartaric acid-modified nickel catalysts: effects of preparation method of supported nickel on activity and selectivity of catalysts (Jo, D. (222) 199)

Methyl phenyl oxalate

A comparative study of supported TiO_2 catalysts and activity in ester exchange between dimethyl oxalate and phenol (Ma, X. (222) 183)

$\alpha\text{-}Methylnaphthalene$

Friedel-crafts alkylation of α -methylnaphthalene in the presence of ionic liquids (Zhao, Z.-K. (222) 207)

Modified mordenite

Catalytic degradation of expandable polystyrene waste (EPSW) over mordenite and modified mordenites (Chumbhale, V.R. (222) 133)

Molecular recognition

Hydrogen bonding ligand functionality and catalytic selectivity in homogeneous hydrosilation of enones with rhodium complexes (Rivera, G. (222) 59)

Molybdenum

Molybdenum and tungsten complexes of composition (η^5 - C_5R_5)MR′(CO)₃ and their use as olefin epoxidation catalyst precursors (Zhao, J. (222) 265)

N,P ligands

Chiral rhodium complexes containing bidentate ligands derived from (*R*,*R*)-1,2-diaminocyclohexane for catalytic enantioselective hydrosilylation of acetophenone (Arena, C.G. (222) 47)

Ni supported catalysts

Screening of Pd and Ni supported on sol-gel derived oxides for dichloromethane hydrodechlorination (Aristizábal, B. (222) 189)

Nickel

Enantio-differentiating hydrogenation of methyl acetoacetate over tartaric acid-modified nickel catalysts: effects of preparation method of supported nickel on activity and selectivity of catalysts (Jo, D. (222) 199) Nickel(II) and manganese(III) tetraazaannulenes complexes encapsulated in porous Vycor glass (PVG): investigation of catalytic activity (Caiut, J.M.A. (222) 213)

Norbonadiene

Piperidine as ancillary ligand in the novel [RuCl₂(PPh₃)₂(piperidine)] complex for metathesis polymerization of norbornene and norbornadiene (Matos, J.M.E. (222) 81)

Norbornene

Piperidine as ancillary ligand in the novel [RuCl₂(PPh₃)₂(piperidine)] complex for metathesis polymerization of norbornene and norbornadiene (Matos, J.M.E. (222) 81)

Olefin epoxidation

Molybdenum and tungsten complexes of composition $(\eta^5-C_5R_5)MR'(CO)_3$ and their use as olefin epoxidation catalyst precursors (Zhao, J. (222) 265)

Olefin hydrogenation

Phenanthroline-stabilized palladium nanoparticles in polyethylene glycol—an active and recyclable catalyst system for the selective hydrogenation of olefins using molecular hydrogen (Pillai, U.R. (222) 153)

Olefins

Hydroformylation of functionalized olefins catalyzed by SiO_2 -tethered rhodium complexes (Marchetti, M. (222) 143)

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Oligomers and polymer properties

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part II: Catalytic behavior for the oligomerization and polymerization of ethene and characterization of the resulting products (Schmidt, R. (222) 17)

Organonitrogen

Correlating the electronic properties and HDN reactivities of organonitrogen compounds: an ab initio DFT study (Sun, M. (222) 243)

Oxidation

A comparative study between Keggin-type tungstophosphates and tungstosilicates in the oxidation of cyclooctane with hydrogen peroxide (Balula, M.S.S. (222) 159)

Oxidative addition

Oxidative addition reaction of rhodium(I) carbonyl complexes of the pyridine-aldehyde ligands and their catalytic activity in carbonylation reaction (Kumari, N. (222) 53)

P ligands

Chiral rhodium complexes containing bidentate ligands derived from (R,R)-1,2-diaminocyclohexane for catalytic enantioselective hydrosilylation of acetophenone (Arena, C.G. (222) 47)

Palladium

Diphosphinoazine palladium(II) complexes as catalysts for the Heck reaction of bromides and an activated chloride (Včelák, J. (222) 121) Palladium complexes

Synthesis of novel palladium-carbene complexes as efficient catalysts for amination of aryl chlorides in ionic liquid (Özdemir, İ. (222) 97)

Palladium nanoparticles

Phenanthroline-stabilized palladium nanoparticles in polyethylene glycol—an active and recyclable catalyst system for the selective hydrogenation of olefins using molecular hydrogen (Pillai, U.R. (222) 153)

Pd supported catalysts

Screening of Pd and Ni supported on sol-gel derived oxides for dichloromethane hydrodechlorination (Aristizábal, B. (222) 189)

Peroxidase

Interaction of apoHb and various Fe-porphyrins (Jianyu, L. (222) 75) Peroxides

Co(III)-containing mesoporous silica as an efficient catalyst in selective dihydroxylation of cyclohexene (Samanta, S. (222) 235)

Phase separation

A new temperature-dependent solvent system based on polyethylene glycol 1000 and its use in rhodium catalyzed cooligomerization (Behr, A. (222) 127)

Phenanthroline

Phenanthroline-stabilized palladium nanoparticles in polyethylene glycol—an active and recyclable catalyst system for the selective hydrogenation of olefins using molecular hydrogen (Pillai, U.R. (222) 153)

Phenol oxidation

Phenol oxidation over alkaline earth metal ion exchange beta zeolite in the presence of ketone (Atoguchi, T. (222) 253)

Photocatalysis

Hydrogen generation by laser transformation of methanol using n-type WO₃ semiconductor catalyst (Gondal, M.A. (222) 259)

Pinene

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Piperidine

Piperidine as ancillary ligand in the novel [RuCl₂(PPh₃)₂(piperidine)] complex for metathesis polymerization of norbornene and norbornadiene (Matos, J.M.E. (222) 81)

Polyethylene glycol

Phenanthroline-stabilized palladium nanoparticles in polyethylene glycol—an active and recyclable catalyst system for the selective hydrogenation of olefins using molecular hydrogen (Pillai, U.R. (222) 153)

Polyethylene glycol 1000

A new temperature-dependent solvent system based on polyethylene glycol 1000 and its use in rhodium catalyzed cooligomerization (Behr, A. (222) 127)

Polystyrene

Catalytic degradation of expandable polystyrene waste (EPSW) over mordenite and modified mordenites (Chumbhale, V.R. (222) 133)

Porous Vycor glass

Nickel(II) and manganese(III) tetraazaannulenes complexes encapsulated in porous Vycor glass (PVG): investigation of catalytic activity (Caiut, J.M.A. (222) 213)

Precipitation

Enantio-differentiating hydrogenation of methyl acetoacetate over tartaric acid-modified nickel catalysts: effects of preparation method of supported nickel on activity and selectivity of catalysts (Jo, D. (222) 199)

Propane mild oxidation

Oxidation of propane to acrylic acid over vanadyl pyrophosphate: modifications of the structural and acid properties during the precursor activation and their relationship with catalytic performances (Landi, G. (222) 175)

Pyridine-aldehyde ligands

Oxidative addition reaction of rhodium(I) carbonyl complexes of the pyridine-aldehyde ligands and their catalytic activity in carbonylation reaction (Kumari, N. (222) 53)

Rearrangement

Effect of the solvent in the liquid phase rearrangement of 1,2-epox-yoctane over Al-MCM-41 and Al-TS-1 catalysts (van Grieken, R. (222) 167)

Reconstitution

Interaction of apoHb and various Fe-porphyrins (Jianyu, L. (222) 75)

Reduction

Gas-phase hydrogen transfer reduction of α,β -unsaturated ketones on Mg-based catalysts (Cosimo, J.I.D. (222) 87)

Regioselectivity

Gas-phase hydrogen transfer reduction of α,β -unsaturated ketones on Mg-based catalysts (Cosimo, J.I.D. (222) 87)

Renewable energy sources

Hydrogen generation by laser transformation of methanol using n-type WO₃ semiconductor catalyst (Gondal, M.A. (222) 259)

Rhodium

Chiral rhodium complexes containing bidentate ligands derived from (R,R)-1,2-diaminocyclohexane for catalytic enantioselective hydrosilylation of acetophenone (Arena, C.G. (222) 47)

Rhodium carbonyls

Hydroformylation of functionalized olefins catalyzed by SiO_2 -tethered rhodium complexes (Marchetti, M. (222) 143)

Rhodium catalys

Hydrogen bonding ligand functionality and catalytic selectivity in homogeneous hydrosilation of enones with rhodium complexes (Rivera, G. (222) 59)

Rhodium(I) carbonyl complexes

Oxidative addition reaction of rhodium(I) carbonyl complexes of the pyridine-aldehyde ligands and their catalytic activity in carbonylation reaction (Kumari, N. (222) 53)

ROMP

Piperidine as ancillary ligand in the novel [RuCl₂(PPh₃)₂(piperidine)] complex for metathesis polymerization of norbornene and norbornadiene (Matos, J.M.E. (222) 81)

Ru(II

Piperidine as ancillary ligand in the novel [RuCl₂(PPh₃)₂(piperidine)] complex for metathesis polymerization of norbornene and norbornadiene (Matos, J.M.E. (222) 81)

Ruthenium

Colloidal RuB/Al₂O₃.xH₂O catalyst for liquid phase hydrogenation of benzene to cyclohexene (Wang, J. (222) 229)

Salt effect

Hydrogen bonding ligand functionality and catalytic selectivity in homogeneous hydrosilylation of enones with rhodium complexes (Rivera, G. (222) 59)

Sol-gel catalysts

Screening of Pd and Ni supported on sol-gel derived oxides for dichloromethane hydrodechlorination (Aristizábal, B. (222) 189)

Solvent

Effect of the solvent in the liquid phase rearrangement of 1,2-epox-yoctane over Al-MCM-41 and Al-TS-1 catalysts (van Grieken, R. (222) 167)

Styrene selectivity

Catalytic degradation of expandable polystyrene waste (EPSW) over mordenite and modified mordenites (Chumbhale, V.R. (222) 133)

Supported catalyst

Hydroformylation of functionalized olefins catalyzed by SiO₂-tethered rhodium complexes (Marchetti, M. (222) 143)

Supported TiO2 catalysts

A comparative study of supported TiO_2 catalysts and activity in ester exchange between dimethyl oxalate and phenol (Ma, X. (222) 183)

Surface acidity

Oxidation of propane to acrylic acid over vanadyl pyrophosphate: modifications of the structural and acid properties during the precursor activation and their relationship with catalytic performances (Landi, G. (222) 175)

Synthesis

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part I. Synthesis and characterization (Schmidt, R. (222) 9)

Tartaric acid

Enantio-differentiating hydrogenation of methyl acetoacetate over tartaric acid-modified nickel catalysts: effects of preparation method of supported nickel on activity and selectivity of catalysts (Jo, D. (222) 199)

Temperature-dependent solvent system

A new temperature-dependent solvent system based on polyethylene glycol 1000 and its use in rhodium catalyzed cooligomerization (Behr, A. (222) 127)

Terpenes

Oxidations by the system "hydrogen peroxide–dinuclear mangane-se(IV) complex–carboxylic acid". Part 5. Epoxidation of olefins including natural terpenes (Woitiski, C.B. (222) 103)

Tetraazaannulene

Nickel(II) and manganese(III) tetraazaannulenes complexes encapsulated in porous Vycor glass (PVG): investigation of catalytic activity (Caiut, J.M.A. (222) 213)

Tridentate ligands

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part I. Synthesis and characterization (Schmidt, R. (222) 9)

Tungstophosphates

A comparative study between Keggin-type tungstophosphates and tungstosilicates in the oxidation of cyclooctane with hydrogen peroxide (Balula, M.S.S. (222) 159)

Tungstosilicates

A comparative study between Keggin-type tungstophosphates and tungstosilicates in the oxidation of cyclooctane with hydrogen peroxide (Balula, M.S.S. (222) 159)

α,β-Unsaturated ketones

Gas-phase hydrogen transfer reduction of α,β -unsaturated ketones on Mg-based catalysts (Cosimo, J.I.D. (222) 87)

UV-vis studies

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part III. UV–vis spectroscopic studies of reactions of ethene-oligomerization and polymerization catalysts with methyl aluminoxane cocatalyst (Schmidt, R. (222) 27)

V⁺⁵ phases

Oxidation of propane to acrylic acid over vanadyl pyrophosphate: modifications of the structural and acid properties during the precursor activation and their relationship with catalytic performances (Landi, G. (222) 175)

Vanadium(III) complexes

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part I. Synthesis and characterization (Schmidt, R. (222) 9)

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part II: Catalytic behavior for the oligomerization and polymerization of ethene and characterization of the resulting products (Schmidt, R. (222) 17)

N,N,N-Tridentate iron(II) and vanadium(III) complexes. Part III. UV–vis spectroscopic studies of reactions of ethene-oligomerization and polymerization catalysts with methyl aluminoxane cocatalyst (Schmidt, R. (222) 27)

Vanadyl pyrophosphate

Oxidation of propane to acrylic acid over vanadyl pyrophosphate: modifications of the structural and acid properties during the precursor activation and their relationship with catalytic performances (Landi, G. (222) 175)

WO_3

Hydrogen generation by laser transformation of methanol using n-type WO₃ semiconductor catalyst (Gondal, M.A. (222) 259)

Zinc

Intermolecular hydroamination of alkynes catalyzed by zinc-exchanged montmorillonite clay (Shanbhag, G.V. (222) 223)