

Journal of Molecular Catalysis A: Chemical 233 (2005) 149-152



www.elsevier.com/locate/molcata

Subject index

Acetalization and ketalization

An efficient procedure for protection of carbonyls catalyzed by sulfamic acid (Wang, B. (233) 121)

Aldol condensation

Effect of acetone/citral molar ratio and reaction conditions in the aldol condensation of citral with acetone catalyzed by a Mg, Al-mixed oxide (Pérez, C.N. (233) 83)

Alkenes

Immobilized copper(II) complexes on montmorillonite and MCM-41 as selective catalysts for epoxidation of alkenes (Ghadiri, M. (233)

Anhydrous hydrogen fluoride (AHF)

Investigation into antimony pentafluoride-based catalyst in preparing organo-fluorine compounds (Yang, H.-d. (233) 99)

Photocatalysis with ZrO₂: oxidation of aniline (Karunakaran, C. (233) 1)

Antimony pentachloride

Investigation into antimony pentafluoride-based catalyst in preparing organo-fluorine compounds (Yang, H.-e. (233) 99)

Antimony pentafluoride

Investigation into antimony pentafluoride-based catalyst in preparing organo-fluorine compounds (Yang, H.-e. (233) 99)

Asymmetric catalysis

Catalytic asymmetric hydrogenation of ethyltrifluoroacetoacetate with 4,4' and 5,5'-diamBINAP Ru(II) complexes in unusual conditions (Berthod, M. (233) 105)

Basic catalysts

Effect of acetone/citral molar ratio and reaction conditions in the aldol condensation of citral with acetone catalyzed by a Mg,Al-mixed oxide (Pérez, C.N. (233) 83)

Baylis-Hillman reaction

Phase selectively soluble dendritic derivative of 4-(N,N-dimethylamino)pyridine: an easily recyclable catalyst for Baylis-Hillman reactions (Yang, N.-F. (233) 55)

Benzyl alcohol oxidation

Catalysis and characterization of a rugged lead ruthenate pyrochlore membrane catalyst (Ke, J.-H. (233) 111)

Catalytic asymmetric hydrogenation of ethyltrifluoroacetoacetate with 4,4' and 5,5'-diamBINAP Ru(II) complexes in unusual conditions (Berthod, M. (233) 105)

Carbonyl compounds

A mild and efficient method for the protection of carbonyl compounds as dithioacetals, dithiolanes and dithianes catalysed by iodine supported on natural phosphate (Zahouily, M. (233) 43)

An efficient procedure for protection of carbonyls catalyzed by sulfamic acid (Wang, B. (233) 121)

Carbonyl protection

A novel polyaniline-fluoroboric acid-dodecylhydrogensulfate salt: versatile reusable polymer based solid acid catalyst for organic transformations (Palaniappan, S. (233) 9)

Catalysis

Pd catalyzed Heck reaction with the catalytic system [Pd(Ph₂PC₆H₄-2-(CH₂NMe₂))(SR_F)₂]. Examination of the electronic effects of fluorinated thiolates (Fierro-Arias, J.G. (233) 17)

Catalysis and characterization of a rugged lead ruthenate pyrochlore membrane catalyst (Ke, J.-H. (233) 111)

Iron porphyrins immobilised on silica surface and encapsulated in silica matrix: a comparison of their catalytic activity in hydrocarbon oxidation (Moreira, M.S.M. (233) 73)

Catalytic decomposition

Recycle—new possible mechanism of NO decomposition over perovskite(-like) oxides (Zhu, J. (233) 29)

C-C coupling reactions

Pd catalyzed Heck reaction with the catalytic system [Pd(Ph₂PC₆H₄-2-(CH₂NMe₂))(SR_F)₂]. Examination of the electronic effects of fluorinated thiolates (Fierro-Arias, J.G. (233) 17)

Chemoselective

A mild and efficient method for the protection of carbonyl compounds as dithioacetals, dithiolanes and dithianes catalysed by iodine supported on natural phosphate (Zahouily, M. (233) 43)

Chlorfenapyr

Photocatalytic degradation of chlorfenapyr in aqueous suspension of TiO₂ (Cao, Y. (233) 61)

Citral

Effect of acetone/citral molar ratio and reaction conditions in the aldol condensation of citral with acetone catalyzed by a Mg,Al-mixed oxide (Pérez, C.N. (233) 83)

Clean fuels

Production of hydrogen-rich syngas using p-type NiO catalyst: a laserbased photocatalytic approach (Hameed, A. (233) 35)

Production of hydrogen-rich syngas using p-type NiO catalyst: a laserbased photocatalytic approach (Hameed, A. (233) 35)

Condensation reaction

A novel polyaniline-fluoroboric acid-dodecylhydrogensulfate salt: versatile reusable polymer based solid acid catalyst for organic transformations (Palaniappan, S. (233) 9)

Crystal structures

Pd catalyzed Heck reaction with the catalytic system [Pd(Ph₂PC₆H₄-2-(CH₂NMe₂))(SR_F)₂]. Examination of the electronic effects of fluorinated thiolates (Fierro-Arias, J.G. (233) 17)

Cu(II) complexes

Immobilized copper(II) complexes on montmorillonite and MCM-41 as selective catalysts for epoxidation of alkenes (Ghadiri, M. (233) 127)

Phase selectively soluble dendritic derivative of 4-(N,N-dimethylamino)pyridine: an easily recyclable catalyst for Baylis-Hillman reactions (Yang, N.-F. (233) 55)

Dendritic DMAP

Phase selectively soluble dendritic derivative of 4-(N,N-dimethylamino)pyridine: an easily recyclable catalyst for Baylis-Hillman reactions (Yang, N.-F. (233) 55)

Subject index

Dithianes

A mild and efficient method for the protection of carbonyl compounds as dithioacetals, dithiolanes and dithianes catalysed by iodine supported on natural phosphate (Zahouily, M. (233) 43)

Dithioacetals

A mild and efficient method for the protection of carbonyl compounds as dithioacetals, dithiolanes and dithianes catalysed by iodine supported on natural phosphate (Zahouily, M. (233) 43)

Dithiolanes

A mild and efficient method for the protection of carbonyl compounds as dithioacetals, dithiolanes and dithianes catalysed by iodine supported on natural phosphate (Zahouily, M. (233) 43)

Encapsulated

Iron porphyrins immobilised on silica surface and encapsulated in silica matrix: a comparison of their catalytic activity in hydrocarbon oxidation (Moreira, M.S.M. (233) 73)

Epoxidation

Immobilized copper(II) complexes on montmorillonite and MCM-41 as selective catalysts for epoxidation of alkenes (Ghadiri, M. (233) 127)

Esterification

A novel polyaniline–fluoroboric acid–dodecylhydrogensulfate salt: versatile reusable polymer based solid acid catalyst for organic transformations (Palaniappan, S. (233) 9)

Ethanol

Production of hydrogen-rich syngas using p-type NiO catalyst: a laser-based photocatalytic approach (Hameed, A. (233) 35)

Ethylene polymerisation

Preparation of spherical $MgCl_2$ supported bis(imino)pyridyl iron(II) precatalyst for ethylene polymerization (Huang, R. (233) 91)

Ethyltrifluoroacetoacetate

Catalytic asymmetric hydrogenation of ethyltrifluoroacetoacetate with $4,4^\prime$ and $5,5^\prime$ -diamBINAP Ru(II) complexes in unusual conditions (Berthod, M. (233) 105)

Fluorinated thiolate complexes

Pd catalyzed Heck reaction with the catalytic system $[Pd(Ph_2PC_6H_4-2-(CH_2NMe_2))(SR_F)_2]$. Examination of the electronic effects of fluorinated thiolates (Fierro-Arias, J.G. (233) 17)

Green synthesis

An efficient procedure for protection of carbonyls catalyzed by sulfamic acid (Wang, B. (233) 121)

Heck reaction

Pd catalyzed Heck reaction with the catalytic system $[Pd(Ph_2PC_6H_4-2-(CH_2NMe_2))(SR_F)_2]$. Examination of the electronic effects of fluorinated thiolates (Fierro-Arias, J.G. (233) 17)

Heck vinylation

Pyridine-derived ruthenium and platinum complexes immobilized on ordered mesoporous silica as catalysts for Heck vinylation (Horniakova, J. (233) 49)

Hemilability

Pd catalyzed Heck reaction with the catalytic system $[Pd(Ph_2PC_6H_4-2-(CH_2NMe_2))(SR_F)_2]$. Examination of the electronic effects of fluorinated thiolates (Fierro-Arias, J.G. (233) 17)

N-Heterocyclic carbenes

Hydroformylation of 1-octene using rhodium-1,3- R_2 -3,4,5,6-tetrahydropyrimidin-2-ylidenes (R = 2-Pr, mesityl) (Bortenschlager, M. (233) 67)

Heterogeneized homogeneous catalysts

Pyridine-derived ruthenium and platinum complexes immobilized on ordered mesoporous silica as catalysts for Heck vinylation (Horniakova, J. (233) 49)

H_2O_2

Iron porphyrins immobilised on silica surface and encapsulated in silica matrix: a comparison of their catalytic activity in hydrocarbon oxidation (Moreira, M.S.M. (233) 73)

Homogeneous catalysis

Hydroformylation of 1-octene using rhodium-1,3- R_2 -3,4,5,6-tetrahydropyrimidin-2-ylidenes (R = 2-Pr, mesityl) (Bortenschlager, M. (233) 67)

Hydroformylation

Hydroformylation of 1-octene using rhodium-1,3- R_2 -3,4,5,6-tetrahydropyrimidin-2-ylidenes (R = 2-Pr, mesityl) (Bortenschlager, M. (233) 67)

Hydrogen

Production of hydrogen-rich syngas using p-type NiO catalyst: a laser-based photocatalytic approach (Hameed, A. (233) 35)

Hydrogenation

Catalytic asymmetric hydrogenation of ethyltrifluoroacetoacetate with 4,4′ and 5,5′-diamBINAP Ru(II) complexes in unusual conditions (Berthod, M. (233) 105)

Hydrogenation of edible oil over Pd-Me/Al₂O₃ catalysts (Me = Mo, V and Pb) (Fernández, M.B. (233) 133)

Hydrotalcite

Effect of acetone/citral molar ratio and reaction conditions in the aldol condensation of citral with acetone catalyzed by a Mg,Al-mixed oxide (Pérez, C.N. (233) 83)

Immobilization

Phase selectively soluble dendritic derivative of 4-(*N*,*N*-dimethylamino)pyridine: an easily recyclable catalyst for Baylis–Hillman reactions (Yang, N.-F. (233) 55)

Iron porphyrin

Iron porphyrins immobilised on silica surface and encapsulated in silica matrix: a comparison of their catalytic activity in hydrocarbon oxidation (Moreira, M.S.M. (233) 73)

Isopropanol

Production of hydrogen-rich syngas using p-type NiO catalyst: a laser-based photocatalytic approach (Hameed, A. (233) 35)

Laser applications

Production of hydrogen-rich syngas using p-type NiO catalyst: a laser-based photocatalytic approach (Hameed, A. (233) 35)

Lasers

Production of hydrogen-rich syngas using p-type NiO catalyst: a laser-based photocatalytic approach (Hameed, A. (233) 35)

Lead ruthenate pyrochlore

Catalysis and characterization of a rugged lead ruthenate pyrochlore membrane catalyst (Ke, J.-H. (233) 111)

MCM-41

Immobilized copper(II) complexes on montmorillonite and MCM-41 as selective catalysts for epoxidation of alkenes (Ghadiri, M. (233) 127)

Mechanism

Recycle—new possible mechanism of NO decomposition over perovskite(-like) oxides (Zhu, J. (233) 29)

Methanol

Production of hydrogen-rich syngas using p-type NiO catalyst: a laser-based photocatalytic approach (Hameed, A. (233) 35)

Mg,Al-mixed oxides

Effect of acetone/citral molar ratio and reaction conditions in the aldol condensation of citral with acetone catalyzed by a Mg,Al-mixed oxide (Pérez, C.N. (233) 83)

Molybdenum

Hydrogenation of edible oil over Pd-Me/Al₂O₃ catalysts (Me=Mo, V and Pb) (Fernández, M.B. (233) 133)

Subject index 151

Montmorillonite

Immobilized copper(II) complexes on montmorillonite and MCM-41 as selective catalysts for epoxidation of alkenes (Ghadiri, M. (233) 127)

Nafion® 417

Catalysis and characterization of a rugged lead ruthenate pyrochlore membrane catalyst (Ke, J.-H. (233) 111)

Natural phosphate

A mild and efficient method for the protection of carbonyl compounds as dithioacetals, dithiolanes and dithianes catalysed by iodine supported on natural phosphate (Zahouily, M. (233) 43)

Neopentyl glycol

An efficient procedure for protection of carbonyls catalyzed by sulfamic acid (Wang, B. (233) 121)

NiO

Production of hydrogen-rich syngas using p-type NiO catalyst: a laser-based photocatalytic approach (Hameed, A. (233) 35)

Nitrogen oxide

Recycle—new possible mechanism of NO decomposition over perovs-kite(-like) oxides (Zhu, J. (233) 29)

NO_2

Recycle—new possible mechanism of NO decomposition over perovs-kite(-like) oxides (Zhu, J. (233) 29)

1-Octene

Hydroformylation of 1-octene using rhodium-1,3- R_2 -3,4,5,6-tetrahydropyrimidin-2-ylidenes (R = 2-Pr, mesityl) (Bortenschlager, M. (233) 67)

Organo-fluorine compounds

Investigation into antimony pentafluoride-based catalyst in preparing organo-fluorine compounds (Yang, H.-e. (233) 99)

Palladium

Hydrogenation of edible oil over $Pd-Me/Al_2O_3$ catalysts (Me = Mo, V and Pb) (Fernández, M.B. (233) 133)

Palladium complexes

Pd catalyzed Heck reaction with the catalytic system $[Pd(Ph_2PC_6H_4-2-(CH_2NMe_2))(SR_F)_2]$. Examination of the electronic effects of fluorinated thiolates (Fierro-Arias, J.G. (233) 17)

PANI-HBF₄-DHS catalyst

A novel polyaniline–fluoroboric acid–dodecylhydrogensulfate salt: versatile reusable polymer based solid acid catalyst for organic transformations (Palaniappan, S. (233) 9)

Perovskite(-like) oxides

Recycle—new possible mechanism of NO decomposition over perovs-kite(-like) oxides (Zhu, J. (233) 29)

Phenol

Silicotungstate-modified zirconia as an efficient catalyst for phenol *tert*-butylation (Devassy, B.M. (233) 141)

Photo-catalysis

Production of hydrogen-rich syngas using p-type NiO catalyst: a laser-based photocatalytic approach (Hameed, A. (233) 35)

Photocatalytic degradation

Photocatalytic degradation of chlorfenapyr in aqueous suspension of TiO_2 (Cao, Y. (233) 61)

Photooxidation

Photocatalysis with ZrO_2 : oxidation of aniline (Karunakaran, C. (233) 1)

P-N ligand

Pd catalyzed Heck reaction with the catalytic system $[Pd(Ph_2PC_6H_4-2-(CH_2NMe_2))(SR_F)_2]$. Examination of the electronic effects of fluorinated thiolates (Fierro-Arias, J.G. (233) 17)

Porous metal fluorides

Investigation into antimony pentafluoride-based catalyst in preparing organo-fluorine compounds (Yang, H.-e. (233) 99)

Precatalyst A

Preparation of spherical $MgCl_2$ supported bis(imino)pyridyl iron(II) precatalyst for ethylene polymerization (Huang, R. (233) 91)

Precatalyst B

Preparation of spherical MgCl₂ supported bis(imino)pyridyl iron(II) precatalyst for ethylene polymerization (Huang, R. (233) 91)

Propanol

Production of hydrogen-rich syngas using p-type NiO catalyst: a laser-based photocatalytic approach (Hameed, A. (233) 35)

Pseudoionones

Effect of acetone/citral molar ratio and reaction conditions in the aldol condensation of citral with acetone catalyzed by a Mg,Al-mixed oxide (Pérez, C.N. (233) 83)

Quinoline-carboimine complex

Pyridine-derived ruthenium and platinum complexes immobilized on ordered mesoporous silica as catalysts for Heck vinylation (Horniakova, J. (233) 49)

Recyclable

A mild and efficient method for the protection of carbonyl compounds as dithioacetals, dithiolanes and dithianes catalysed by iodine supported on natural phosphate (Zahouily, M. (233) 43)

Reusable catalyst

A novel polyaniline–fluoroboric acid–dodecylhydrogensulfate salt: versatile reusable polymer based solid acid catalyst for organic transformations (Palaniappan, S. (233) 9)

Rhodiun

Hydroformylation of 1-octene using rhodium-1,3- R_2 -3,4,5,6-tetrahydropyrimidin-2-ylidenes (R = 2-Pr, mesityl) (Bortenschlager, M. (233) 67)

Silicotungstic acid

Silicotungstate-modified zirconia as an efficient catalyst for phenol *tert*-butylation (Devassy, B.M. (233) 141)

Sulfamic acid

An efficient procedure for protection of carbonyls catalyzed by sulfamic acid (Wang, B. (233) 121)

Sunflower oil

Hydrogenation of edible oil over $Pd-Me/Al_2O_3$ catalysts (Me = Mo, V and Pb) (Fernández, M.B. (233) 133)

Sunlight

Photocatalysis with ZrO₂: oxidation of aniline (Karunakaran, C. (233)

Supported on silica

Iron porphyrins immobilised on silica surface and encapsulated in silica matrix: a comparison of their catalytic activity in hydrocarbon oxidation (Moreira, M.S.M. (233) 73)

TEA

Preparation of spherical $MgCl_2$ supported bis(imino)pyridyl iron(II) precatalyst for ethylene polymerization (Huang, R. (233) 91)

Tert-butylation

Silicotungstate-modified zirconia as an efficient catalyst for phenol *tert*-butylation (Devassy, B.M. (233) 141)

Thermomorphic biphasic catalysis

Phase selectively soluble dendritic derivative of 4-(*N*,*N*-dimethylamino)pyridine: an easily recyclable catalyst for Baylis–Hillman reactions (Yang, N.-F. (233) 55)

TiO₂

Photocatalytic degradation of chlorfenapyr in aqueous suspension of TiO_2 (Cao, Y. (233) 61)

Subject index

trans-Isomers

Hydrogenation of edible oil over Pd-Me/Al $_2$ O $_3$ catalysts (Me = Mo, V and Pb) (Fernández, M.B. (233) 133)

Transition metals

Pyridine-derived ruthenium and platinum complexes immobilized on ordered mesoporous silica as catalysts for Heck vinylation (Horniakova, J. (233) 49)

UV light

Photocatalysis with ZrO_2 : oxidation of aniline (Karunakaran, C. (233) 1)

Zirconia.

Silicotungstate-modified zirconia as an efficient catalyst for phenol *tert*-butylation (Devassy, B.M. (233) 141)

ZrO_2

Photocatalysis with ZrO₂: oxidation of aniline (Karunakaran, C. (233) 1)