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Poly(siloxane)-supported decacarbonyldimanganese(0) catalyst for terminal olefin hydrosilylation reactions: the effect of the support on the catalyst selectivity, activity and stability (Hilal, H.S. (144) 47)

Hydroformylation of styrene and 1-octene catalyzed by binuclear and oligomer rhodium(I) complexes containing the bis-*p*-phosphinito ligands $[(p-Ph_2POC_6H_4)_2X](X = O, CMe_2, S)$ (Arena, C.G. (144) 379)

Olefin epoxidation

Olefin epoxidation catalysed by Schiff-base complexes of Mn and Ni in heterogenised-homogeneous systems (Chatterjee, D. (144) 363)

Olefin polymerization

Borane-functionalized oxide supports: development of active supported metallocene catalysts at low aluminoxane loading (Tian, J. (144) 137)

Olefin transformation

Activity–acidity relationship in zeolite Y. Part 1. Transformation of light olefins (Costa, C. (144) 207)

Activity–acidity relationship in zeolite Y. Part 3. Application of Brönsted type equations (Costa, C. (144) 233)

Organic solvent

Synthesis of titanium(IV) oxide of ultra-high photocatalytic activity: high-temperature hydrolysis of titanium alkoxides with water liberated homogeneously from solvent alcohols (Kominami, H. (144) 165)

Organofunctionalisation

Iron and copper immobilised on mesoporous MCM-41 molecular sieves as catalysts for the oxidation of cyclohexane (Carvalho, W.A. (144) 91)

Oxidation

A $Mn(IV)-Me_4DTNE$ complex catalyzed oxidation of lignin model compounds with hydrogen peroxide (Cui, Y. (144) 411)

Keggin-type polyoxotungstates as catalysts in the oxidation of cyclohexane by dilute aqueous hydrogen peroxide (Simões, M.M.Q. (144) 461)

Oxidative carbonylation

Oxidative carbonylation of phenol to diphenyl carbonate catalyzed by Pd_2-Sn heterotrinnuclear complex along with Mn redox catalyst without any addition of ammonium halide (Ishii, H. (144) 369)

Oxidative carbonylation of phenol to diphenyl carbonate catalyzed by Pd dinuclear complex (Ishii, H. (144) 477)

Oxygen spillover and back spillover

The study of oxygen spillover and back spillover on Pt/TiO_2 by a potential dynamic sweep method (Lin, H. (144) 189)

Palladium

Oxidative carbonylation of phenol to diphenyl carbonate catalyzed by Pd_2-Sn heterotrinnuclear complex along with Mn redox catalyst without any addition of ammonium halide (Ishii, H. (144) 369)

- Intermediate formation of anilines in the synthesis of Schiff bases from nitroarenes and aldehydes (Ragaini, F. (144) 405)
- Oxidative carbonylation of phenol to diphenyl carbonate catalyzed by Pd dinuclear complex (Ishii, H. (144) 477)
- Palladium complex**
- Reductive carbonylation of 2,4-dinitrotoluene to 2,4-toluendiurethane with palladium(1,10-phenanthroline)₂(hexafluorophosphate)₂, as catalyst, and 1,10-phenanthroline hexafluorophosphate, as cocatalyst. (Santi, R. (144) 41)
- Enantioselective palladium-catalyzed allylic substitution with 1-diphenylphosphino-4-dialkylamino ligands (Robert, F. (144) 473)
- Palladium(0)-dibenzylidene-acetone**
- Telomerization of 1,3-butadiene with alcohols catalyzed by homogeneous palladium(0) complexes in the presence of mono- and diphosphine ligands (Benvenuti, F. (144) 27)
- Pesticide**
- Photocatalytic degradation of 3,4-xylyl *N*-methylcarbamate (MPMC) and other carbamate pesticides in aqueous TiO₂ suspensions (Tanaka, K. (144) 425)
- 1,10-Phenanthroline**
- Controlled radical polymerization of methyl methacrylate in the presence of carbon tetrachloride, metallic copper and 2,2'-bipyridine or 1,10-phenanthroline (Cheng, G.L. (144) 357)
- Phenol**
- Oxidative carbonylation of phenol to diphenyl carbonate catalyzed by Pd dinuclear complex (Ishii, H. (144) 477)
- Phosphine**
- Internal vs. external ionic functionality—a comparative study in the asymmetric hydrogenation in water as solvent (Trinkhaus, S. (144) 15)
- Photocatalyst**
- Synthesis of titanium(IV) oxide of ultra-high photocatalytic activity: high-temperature hydrolysis of titanium alkoxides with water liberated homogeneously from solvent alcohols (Kominami, H. (144) 165)
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- Photodegradation**
- Photo-Fenton degradation of a dye under visible light irradiation (Wu, K. (144) 77)
- Pillaring**
- Synthesis, characterization and catalytic activity of ruthenium containing aluminum pillared bentonites (Lenarda, M. (144) 151)
- Pinene isomerization**
- Preparation of superbases and their use as catalysts for double-bond isomerization (Gorzawski, H. (144) 181)
- Platinum**
- A study of manganese-silicoaluminophosphate molecular sieves (Vieira, A. (144) 101)
- Dowex[®] 1-supported PtCl₄ ion pair as a recycle hydrogenation catalyst (Setty-Fichman, M. (144) 159)
- Platinum catalysts**
- Selective catalytic hydrogenation of unsaturated derivatives of nitrobenzene in alcoholic media (Lamy-Pitara, E. (144) 199)
- Platinum colloid**
- Modification of metal complex on hydrogenation of *o*-chloronitrobenzene over polymer-stabilized platinum colloidal clusters (Yang, X. (144) 123)
- Polychlorobenzenes**
- Catalytic dechlorination of chlorobenzenes: effect of solvent on efficiency and selectivity (Lassová, L. (144) 397)
- Polydimethylsiloxane**
- Manganese porphyrins incorporated in polydimethylsiloxane membranes: selective catalysts for the epoxidation of deactivated alkenes (Neys, P.E.F. (144) 373)
- Porcelain**
- Transformation of 4-hydroxybutanal over porcelain (Leite, L. (144) 323)
- Potential dynamic sweep**
- The study of oxygen spillover and back spillover on Pt/TiO₂ by a potential dynamic sweep method (Lin, H. (144) 189)
- Prebiotic peptide bond formation**
- The effect of clay structure on peptide bond formation catalysis (Bujdák, J. (144) 129)
- Propylene**
- Studies on nickel-containing Ziegler-type catalysts. V. Dimerization of propylene to 2,3-dimethylbutenes. Part III. 1,1,1,3,3,3-Hexafluoro-2-propanol as a new efficient activator (Sato, H. (144) 285)
- Reactive sorbent**
- Reactions of the nerve agent simulant diisopropyl fluorophosphate with self-decontaminating adsorbents. A ³¹P MAS NMR study (Wagner, G.W. (144) 419)
- Redox catalyst**
- Oxidative carbonylation of phenol to diphenyl carbonate catalyzed by Pd₂-Sn heterotrimeric complex along with Mn redox catalyst without any addition of ammonium halide (Ishii, H. (144) 369)
- Reductive carbonylation**
- Reductive carbonylation of 2,4-dinitrotoluene to 2,4-toluendiurethane with palladium(1,10-phenanthroline)₂(hexafluorophosphate)₂, as catalyst, and 1,10-phenanthroline hexafluorophosphate, as cocatalyst. (Santi, R. (144) 41)
- Regioselectivity**
- Hydrocarboxylation of 1-(4-isobutylphenyl) ethanol catalyzed by heterogeneous palladium catalysts (Jang, E.J. (144) 431)
- RhHCO(PPh₃)₃**
- Hydroformylation of olefins with formaldehyde in the presence of RhHCO(PPh₃)₃ (Ahn, H.S. (144) 295)
- Rhodium**
- Cyclopropanation reactions catalysed by copper and rhodium complexes homogeneous and heterogenised on a modified USY-zeolite. Influence of the catalyst on the catalytic profile (Alcón, M.J. (144) 337)
- Intermediate formation of anilines in the synthesis of Schiff bases from nitroarenes and aldehydes (Ragaini, F. (144) 405)
- Rhodium/activated carbon**
- Some aspects on the losses of metal from the support in the hydrocarbonylation of methanol (Halttunen, M.E. (144) 307)

Rhodium complexes

Internal vs. external ionic functionality—a comparative study in the asymmetric hydrogenation in water as solvent (Trinkhaus, S. (144) 15)

Ru(bpy)₃³⁺

Catalytic water oxidation using chemically generated Ru(bpy)₃³⁺ oxidant (Abe, T. (144) 389)

Ru-red

Catalytic water oxidation using chemically generated Ru(bpy)₃³⁺ oxidant (Abe, T. (144) 389)

Ruthenium

Synthesis, characterization and aqueous-biphase catalysis of the ruthenium dimer Na[O₃S(C₆-H₄)CH₂C(CH₂PPh₂)₃Ru]₂(μ-Cl)₃] (Rojas, I. (144) 1)

(η⁶-Naphthalene)(η⁴-cycloocta-1,5-diene)ruthenium(0) as efficient catalytic precursor for the isomerization of methyl linoleate under mild conditions (Pertici, P. (144) 7)

Synthesis, characterization and catalytic activity of ruthenium containing aluminum pillared bentonites (Lenarda, M. (144) 151)

Ruthenium complex

Catalytic activity of [(bpy)₂(H₂O)Ru–O–Ru(H₂O)(bpy)₂]⁴⁺ for four-electron water oxidation (Nagoshi, K. (144) 71)

Salen complexes of Mn and Ni

Olefin epoxidation catalysed by Schiff-base complexes of Mn and Ni in heterogenised-homogeneous systems (Chatterjee, D. (144) 363)

Schiff bases

Intermediate formation of anilines in the synthesis of Schiff bases from nitroarenes and aldehydes (Ragaini, F. (144) 405)

Selectivity

Poly(siloxane)-supported decacarbonyldimanganese(0) catalyst for terminal olefin hydrosilylation reactions: the effect of the support on the catalyst selectivity, activity and stability (Hilal, H.S. (144) 47)

Selective catalytic hydrogenation of unsaturated derivatives of nitrobenzene in alcoholic media (Lamy-Pitara, E. (144) 199)

Catalytic dechlorination of chlorobenzenes: effect of solvent on efficiency and selectivity (Lassová, L. (144) 397)

Silica

Transformation of 4-hydroxybutanal over porcelain (Leite, L. (144) 323)

Siloxy-rhodium complexes

Catalytic activity of silyloxy-rhodium(I) complexes in hydrosilylation of alkenes (Marciniec, B. (144) 263)

Skeletal isomerization

A study of manganese-silicoaluminophosphate molecular sieves (Vieira, A. (144) 101)

Solid-state NMR

⁵¹V and ¹H solid-state MAS NMR studies of vanadia catalysts supported on Al₂O₃-TiO₂ sol-gel mixed oxide (Miller, J.M. (144) 451)

Solid superbase

Preparation of superbases and their use as catalysts for double-bond isomerization (Gorzawski, H. (144) 181)

Solvent

Catalytic dechlorination of chlorobenzenes: effect of solvent on efficiency and selectivity (Lassová, L. (144) 397)

Solvent effects

Solvent and counterion effects in the asymmetric cyclopropanation catalysed by bis(oxazoline)-copper complexes (Fraile, J.M. (144) 85)

Styrene

Hydroformylation of styrene and 1-octene catalyzed by binuclear and oligomer rhodium(I) complexes containing the bis-*p*-phosphinito ligands [(*p*-Ph₂POC₆H₄)₂X](X = O, CMe₂, S) (Arena, C.G. (144) 379)

Sulfidation

Synthesis of NiAPSO-34 catalysts containing a larger concentration of Ni and effect of its sulfidation on methanol conversion (Kang, M. (144) 329)

Supported catalysis

Poly(siloxane)-supported decacarbonyldimanganese(0) catalyst for terminal olefin hydrosilylation reactions: the effect of the support on the catalyst selectivity, activity and stability (Hilal, H.S. (144) 47)

Supported-metallocene

Borane-functionalized oxide supports: development of active supported metallocene catalysts at low aluminosiloxane loading (Tian, J. (144) 137)

Synthesis of ibuprofen

Hydrocarboxylation of 1-(4-isobutylphenyl) ethanol catalyzed by heterogeneous palladium catalysts (Jang, E.J. (144) 431)

Telomerization

Telomerization of 1,3-butadiene with alcohols catalyzed by homogeneous palladium(0) complexes in the presence of mono- and diphosphine ligands (Benvenuti, F. (144) 27)

Tetrachloromethane

Oxidation of methane with nitrous oxide on calcium hydroxyapatites in the presence and absence of tetrachloromethane (Sugiyama, S. (144) 347)

Thermal stability

Synthesis of titanium(IV) oxide of ultra-high photocatalytic activity: high-temperature hydrolysis of titanium alkoxides with water liberated homogeneously from solvent alcohols (Kominami, H. (144) 165)

Tin

Oxidative carbonylation of phenol to diphenyl carbonate catalyzed by Pd₂-Sn heterotrimeric complex along with Mn redox catalyst without any addition of ammonium halide (Ishii, H. (144) 369)

Titanium alkoxide

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Titanium(IV) oxide

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TPD

Activity-acidity relationship in zeolite Y. Part 2. Determination of the acid strength distribution by temperature programmed desorption of ammonia (Costa, C. (144) 221)

Urethanes

Reductive carbonylation of 2,4-dinitrotoluene to 2,4-toluenediurethane with palladium(1,10-phenanthroline)₂(hexafluorophosphate)₂, as catalyst, and 1,10-phenanthroline hexafluorophosphate, as cocatalyst. (Santi, R. (144) 41)

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⁵¹V and ¹H solid-state MAS NMR studies of vanadia catalysts supported on Al₂O₃-TiO₂ sol-gel mixed oxide (Miller, J.M. (144) 451)

Water oxidation

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Catalytic water oxidation using chemically generated Ru(bpy)₃³⁺ oxidant (Abe, T. (144) 389)

Water soluble catalysts

Internal vs. external ionic functionality—a comparative study in the asymmetric hydrogenation in water as solvent (Trinkhaus, S. (144) 15)

XPS

Catalytic hydrogenation of carbon dioxide over LaNi₅ activated during the reaction (Ando, H. (144) 117)

Effect of the preparation method on the reducibility of molybdena-alumina catalysts (Sarrín, J. (144) 441)

X-ray photoelectron spectroscopy

Effect of the preparation method on the reducibility of molybdena-alumina catalysts (Sarrín, J. (144) 441)

Y zeolite

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Olefin epoxidation catalysed by Schiff-base complexes of Mn and Ni in heterogenised-homogeneous systems (Chatterjee, D. (144) 363)

Ziegler-Natta catalyst

Preparation of the Ziegler-Natta/metalloocene hybrid catalysts on SiO₂/MgCl₂ bisupport and ethylene polymerization (Chung, J.S. (144) 61)

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