

Subject index

Acetylation

Vanadyl(IV) acetate, a new reusable catalyst for acetylation of alcohols (Choudary, B.M. (140) 25)

Active carbon support

Rh/C catalysts in ethene hydroformylation: the effect of different supports and pretreatments (Kainulainen, T.A. (140) 173)

Acyclic diene metathesis (ADMET)

Acyclic diene metathesis (ADMET) of vinylsilanes over $\text{Re}_2\text{O}_7\text{-Al}_2\text{O}_3$ catalyst (Kawai, T. (140) 287)

Adsorption

Attempt to quantify the hydrophobic character of highly dealuminated H-mordenites in hydroxymethylation of furfuryl alcohol with aqueous formaldehyde (Lecomte, J. (140) 157)

Adsorption of esters and acetaldehyde

Studies of the adsorption of acetaldehyde, methyl acetate, ethyl acetate, and methyl trifluoroacetate on silica (Natal-Santiago, M.A. (140) 199)

Alcohols

Vanadyl(IV) acetate, a new reusable catalyst for acetylation of alcohols (Choudary, B.M. (140) 25)

Kinetic study of organotin catalyzed alcohol-isocyanate reactions. Part 2: Inhibition by foreign substances in acetonitrile and toluene (Draye, A.-C. (140) 31)

Alkyl-chain benzimidazole ligands

Effect of microemulsion-like polysoap on the catalyzed esterolysis of hydrophobic *p*-nitrophenyl esters (Benjelloun, A. (140) 215)

Amines

Regio control in ruthenium catalyzed aminomethylation (Schaffrath, H. (140) 107)

Aminomethylation

Regio control in ruthenium catalyzed aminomethylation (Schaffrath, H. (140) 107)

Ammonia

Lanthanide (Eu or Yb)-promoted Ni, Cu and Ag-catalyzed transfer hydrogenation with NH_3 as a hydrogen donor (Imamura, H. (140) 81)

Amphiphilic polymer microdomains

Effect of microemulsion-like polysoap on the catalyzed esterolysis of hydrophobic *p*-nitrophenyl esters (Benjelloun, A. (140) 215)

Asymmetric alkylation

Palladium-catalyzed asymmetric alkylation of 2-azaallyl acetates for the synthesis of β -carboxyaspartic acid derivatives (Yamaguchi, M. (140) 255)

Asymmetric catalysis

Ureas and thioureas as Rh-ligands for the enantioselective hydride transfer reduction of acetophenone (Touchard, F. (140) 1)

Asymmetric hydrogenation

Asymmetric hydrogenation by an in situ prepared (*S*)-BINAP–Ru(II) catalytic system (Matteoli, U. (140) 131)

2-Azaallyl acetate

Palladium-catalyzed asymmetric alkylation of 2-azaallyl acetates for the synthesis of β -carboxyaspartic acid derivatives (Yamaguchi, M. (140) 255)

Benzene

Hydrocarbons oxidation with hydrogen peroxide over germanic faujasites catalysts (Pârvulescu, V.I. (140) 91)

Bimetallic catalyst

Lanthanide (Eu or Yb)-promoted Ni, Cu and Ag-catalyzed transfer hydrogenation with NH_3 as a hydrogen donor (Imamura, H. (140) 81)

Binding energy

XPS study of the interaction of titanium species with internal electron donors on MgCl_2 -supported Ziegler catalysts (Mori, H. (140) 165)

Brønsted acid sites

Dynamic reaction characteristics affected by water molecules during the methanol to olefin conversion on NiAPSO-34 catalysts (Kang, M. (140) 55)

Butadiene

Butadiene polymerization with various half-titanocenes (Ikai, S. (140) 115)

1,3-Butadiene telomerization

Homogeneous telomerization of 1,3-butadiene with alcohols in the presence of palladium catalysts modified by hybrid chelate ligands (Benvenuti, F. (140) 139)

Carbon dioxide

Silica hybrid gel catalysts containing ruthenium complexes: influence of reaction parameters on the catalytic behaviour in the synthesis of *N,N*-dimethylformamide from carbon dioxide (Kröcher, O. (140) 185)

β -Carboxyaspartic acid derivatives

Palladium-catalyzed asymmetric alkylation of 2-azaallyl acetates for the synthesis of β -carboxyaspartic acid derivatives (Yamaguchi, M. (140) 255)

Catalysis

Kinetic study of organotin catalyzed alcohol-isocyanate reactions. Part 2: Inhibition by foreign substances in acetonitrile and toluene (Draye, A.-C. (140) 31)

Catalytic activity

Cobalt phthalocyanine derivatives supported on TiO₂ by sol-gel processing. Part 2. Activity in sulfide and ethanethiol oxidation (Stuchinskaya, T. (140) 235)

Catalytic transfer hydrogenation

Lanthanide (Eu or Yb)-promoted Ni, Cu and Ag-catalyzed transfer hydrogenation with NH₃ as a hydrogen donor (Imamura, H. (140) 81)

Cerium

Modification of the catalytic properties of palladium by rare earth (La, Ce) addition. Catalytic activity and selectivity in hydrocarbon conversion (Kili, K. (140) 267)

Chelate ligands

Homogeneous telomerization of 1,3-butadiene with alcohols in the presence of palladium catalysts modified by hybrid chelate ligands (Benvenuti, F. (140) 139)

Chromium

Cr bound catalytically active sol-gel siloxane polymers (Ophir, R. (140) 259)

CO adsorption

IR study of CO adsorption on Pt, Re and Pt-Re/Al₂O₃ catalysts before and after coking (Anderson, J.A. (140) 65)

Cobalt phthalocyanines

Cobalt phthalocyanine derivatives supported on TiO₂ by sol-gel processing. Part 2. Activity in sulfide and ethanethiol oxidation (Stuchinskaya, T. (140) 235)

Cyclohexane

Hydrocarbons oxidation with hydrogen peroxide over germanic faujasites catalysts (Pârvulescu, V.I. (140) 91)

Cycloolefins

Halogenated oxo- and peroxotitanium porphyrinates as sensitizers for the photooxygenation of olefinic compounds (Esser, P.E. (140) 13)

Density-functional theory (DFT)

Studies of the adsorption of acetaldehyde, methyl acetate, ethyl acetate, and methyl trifluoroacetate on silica (Natal-Santiago, M.A. (140) 199)

Dihydrogen production

New molecule-based catalyst to produce H₂ by metallo-porphine dispersed into polymer membrane (Taguchi, F. (140) 41)

Dimer

Kinetics and selectivity of the copper-catalysed oxidative coupling of 4-(2',6'-dimethylphenoxy)-2,6-dimethylphenol (Baesjou, P.J. (140) 241)

N,N-Dimethylformamide

Silica hybrid gel catalysts containing ruthenium complexes: influence of reaction parameters on the catalytic behaviour in the synthesis of *N,N*-dimethylformamide from carbon dioxide (Kröcher, O. (140) 185)

Dioxygen uptake

Kinetics and selectivity of the copper-catalysed oxidative coupling of 4-(2',6'-dimethylphenoxy)-2,6-dimethylphenol (Baesjou, P.J. (140) 241)

Effect of H₂O addition

Dynamic reaction characteristics affected by water molecules during the methanol to olefin conversion on NiAPSO-34 catalysts (Kang, M. (140) 55)

Ene reaction

Halogenated oxo- and peroxotitanium porphyrinates as sensitizers for the photooxygenation of olefinic compounds (Esser, P.E. (140) 13)

Esterolysis activity

Effect of microemulsion-like polysoap on the catalysed esterolysis of hydrophobic *p*-nitrophenyl esters (Benjelloun, A. (140) 215)

Ethene hydroformylation

Rh/C catalysts in ethene hydroformylation: the effect of different supports and pretreatments (Kainulainen, T.A. (140) 173)

Ethylcyclopropane

Activity and regioselectivity in the ring-opening reaction of methyloxirane at metal-metal oxide interfaces (Pálínkó, I. (140) 195)

Ethylene synthesis

Dynamic reaction characteristics affected by water molecules during the methanol to olefin conversion on NiAPSO-34 catalysts (Kang, M. (140) 55)

Europium

Lanthanide (Eu or Yb)-promoted Ni, Cu and Ag-catalyzed transfer hydrogenation with NH₃ as a hydrogen donor (Imamura, H. (140) 81)

Formaldehyde

Attempt to quantify the hydrophobic character of highly dealuminated H-mordenites in hydroxymethylation of furfuryl alcohol with aqueous formaldehyde (Lecomte, J. (140) 157)

Fourier-transform infrared spectroscopy (FTIR)

Studies of the adsorption of acetaldehyde, methyl acetate, ethyl acetate, and methyl trifluoroacetate on silica (Natal-Santiago, M.A. (140) 199)

Furfuryl alcohol

Attempt to quantify the hydrophobic character of highly dealuminated H-mordenites in hydroxymethylation of furfuryl alcohol with aqueous formaldehyde (Lecomte, J. (140) 157)

Ge-faujasite

Hydrocarbons oxidation with hydrogen peroxide over germanic faujasites catalysts (Pârvulescu, V.I. (140) 91)

Half-titanocene

Butadiene polymerization with various half-titanocenes (Ikai, S. (140) 115)

Hemiporphyrazine

Catalytic olefin epoxidations with KHSO₅: the first report on manganese hemiporphyrazines as catalysts in oxygenation reactions (Campaci, F. (140) 121)

Heterogeneous catalysis on metals

Modification of the catalytic properties of palladium by rare earth (La, Ce) addition. Catalytic activity and selectivity in hydrocarbon conversion (Kili, K. (140) 267)

Heterogeneous catalysts

Rh/C catalysts in ethene hydroformylation: the effect of different supports and pretreatments (Kainulainen, T.A. (140) 173)

Cr bound catalytically active sol-gel siloxane polymers (Ophir, R. (140) 259)

Hexanes

Modification of the catalytic properties of palladium by rare earth (La, Ce) addition. Catalytic activity and selectivity in hydrocarbon conversion (Kili, K. (140) 267)

Higher alcohols

Homogeneous telomerization of 1,3-butadiene with alcohols in the presence of palladium catalysts modified by hybrid chelate ligands (Benvenuti, F. (140) 139)

Homogeneous catalysis

Regio control in ruthenium catalysed aminomethylation (Schaffrath, H. (140) 107)

Homogeneous copper catalysis

Kinetics and selectivity of the copper-catalysed oxidative coupling of 4-(2',6'-dimethylphenoxy)-2,6-dimethylphenol (Baesjou, P.J. (140) 241)

Hybrid gel catalyst

Silica hybrid gel catalysts containing ruthenium complexes: influence of reaction parameters on the catalytic behaviour in the synthesis of *N,N*-dimethylformamide from carbon dioxide (Kröcher, O. (140) 185)

Hydrogenative ring-opening reactions

Activity and regioselectivity in the ring-opening reaction of methyloxirane at metal–metal oxide interfaces (Pálkó, I. (140) 195)

Hydrophobicity

Attempt to quantify the hydrophobic character of highly dealuminated H-mordenites in hydroxymethylation of furfuryl alcohol with aqueous formaldehyde (Lecomte, J. (140) 157)

Hydrophobic *p*-nitrophenyl esters

Effect of microemulsion-like polysoap on the catalysed esterolysis of hydrophobic *p*-nitrophenyl esters (Benjelloun, A. (140) 215)

Hydroxymethylation

Attempt to quantify the hydrophobic character of highly dealuminated H-mordenites in hydroxymethylation of furfuryl alcohol with aqueous formaldehyde (Lecomte, J. (140) 157)

In situ catalyst

Asymmetric hydrogenation by an in situ prepared (*S*)-BINAP–Ru(II) catalytic system (Matteoli, U. (140) 131)

Internal electron donor

XPS study of the interaction of titanium species with internal electron donors on MgCl₂-supported Ziegler catalysts (Mori, H. (140) 165)

Isocyanate

Kinetic study of organotin catalyzed alcohol-isocyanate reactions. Part 2: Inhibition by foreign substances in acetonitrile and toluene (Draye, A.-C. (140) 31)

Isotactic

Group 4 C_s symmetric catalysts and 1-olefin polymerization (Grisi, F. (140) 225)

Kinetics

Kinetic study of organotin catalyzed alcohol-isocyanate reactions. Part 2: Inhibition by foreign substances in acetonitrile and toluene (Draye, A.-C. (140) 31)

Attempt to quantify the hydrophobic character of highly dealuminated H-mordenites in hydroxymethylation of furfuryl alcohol with aqueous formaldehyde (Lecomte, J. (140) 157)

Lanthanide

Lanthanide (Eu or Yb)-promoted Ni, Cu and Ag-catalyzed transfer hydrogenation with NH₃ as a hydrogen donor (Imamura, H. (140) 81)

Lanthanum

Modification of the catalytic properties of palladium by rare earth (La, Ce) addition. Catalytic activity and selectivity in hydrocarbon conversion (Kili, K. (140) 267)

Manganese

Catalytic olefin epoxidations with KHSO₅: the first report on manganese hemiporphyrins as catalysts in oxygenation reactions (Campaci, F. (140) 121)

Metalloenes

Group 4 C_s symmetric catalysts and 1-olefin polymerization (Grisi, F. (140) 225)

Metalloporphyrin

New molecule-based catalyst to produce H₂ by metalloporphyrin dispersed into polymer membrane (Taguchi, F. (140) 41)

Metathesis

Acyclic diene metathesis (ADMET) of vinylsilanes over Re₂O₇–Al₂O₃ catalyst (Kawai, T. (140) 287)

Methanol

Homogeneous telomerization of 1,3-butadiene with alcohols in the presence of palladium catalysts modified by hybrid chelate ligands (Benvenuti, F. (140) 139)

Methanol conversion

Dynamic reaction characteristics affected by water molecules during the methanol to olefin conversion on NiAPSO-34 catalysts (Kang, M. (140) 55)

***N*-Methylimidazole**

Kinetics and selectivity of the copper-catalysed oxidative coupling of 4-(2',6'-dimethylphenoxy)-2,6-dimethylphenol (Baesjou, P.J. (140) 241)

Methyloxirane

Activity and regioselectivity in the ring-opening reaction of methyloxirane at metal–metal oxide interfaces (Pálkó, I. (140) 195)

Michaelis–Menten

Kinetics and selectivity of the copper-catalysed oxidative coupling of 4-(2',6'-dimethylphenoxy)-2,6-dimethylphenol (Baesjou, P.J. (140) 241)

Microcalorimetry

Studies of the adsorption of acetaldehyde, methyl acetate, ethyl acetate, and methyl trifluoroacetate on silica (Natal-Santiago, M.A. (140) 199)

Microenvironment effects

Effect of microemulsion-like polysoap on the catalysed esterolysis of hydrophobic *p*-nitrophenyl esters (Benjelloun, A. (140) 215)

Molecular catalyst

New molecule-based catalyst to produce H₂ by metalloporphyrin dispersed into polymer membrane (Taguchi, F. (140) 41)

Montmorillonite

Aluminosilicate-catalyzed oxidation of alcohols by *t*-butyl hydroperoxide (Palombi, L. (140) 47)

Mordenites

Attempt to quantify the hydrophobic character of highly dealuminated H-mordenites in hydroxymethylation of furfuryl alcohol with aqueous formaldehyde (Lecomte, J. (140) 157)

NiAPSO-34

Dynamic reaction characteristics affected by water molecules during the methanol to olefin conversion on NiAPSO-34 catalysts (Kang, M. (140) 55)

Nitrogen ligands

Ureas and thioureas as Rh-ligands for the enantioselective hydride transfer reduction of acetophenone (Touchard, F. (140) 1)

Nonlinear optical material

Acyclic diene metathesis (ADMET) of vinylsilanes over $\text{Re}_2\text{O}_7\text{-Al}_2\text{O}_3$ catalyst (Kawai, T. (140) 287)

Octadienyl ethers

Homogeneous telomerization of 1,3-butadiene with alcohols in the presence of palladium catalysts modified by hybrid chelate ligands (Benvenuti, F. (140) 139)

Organotin

Kinetic study of organotin catalyzed alcohol-isocyanate reactions. Part 2: Inhibition by foreign substances in acetonitrile and toluene (Draye, A.-C. (140) 31)

Oxidation

Aluminosilicate-catalyzed oxidation of alcohols by *t*-butyl hydroperoxide (Palombi, L. (140) 47)

Catalytic olefin epoxidations with KHSO_5 : the first report on manganese hemiporphyrines as catalysts in oxygenation reactions (Campaci, F. (140) 121)

Oxidation with H_2O_2

Hydrocarbons oxidation with hydrogen peroxide over germanic faujasites catalysts (Pârvolescu, V.I. (140) 91)

Oxotitanium(IV) porphyrinates

Halogenated oxo- and peroxotitanium porphyrinates as sensitizers for the photooxygenation of olefinic compounds (Esser, P.E. (140) 13)

Palladium

Modification of the catalytic properties of palladium by rare earth (La, Ce) addition. Catalytic activity and selectivity in hydrocarbon conversion (Kili, K. (140) 267)

Palladium catalysts

Homogeneous telomerization of 1,3-butadiene with alcohols in the presence of palladium catalysts modified by hybrid chelate ligands (Benvenuti, F. (140) 139)

Palladium-catalyzed asymmetric alkylation of 2-azaallyl acetates for the synthesis of β -carboxyaspatic acid derivatives (Yamaguchi, M. (140) 255)

Peroxomonosulfate

Catalytic olefin epoxidations with KHSO_5 : the first report on manganese hemiporphyrines as catalysts in oxygenation reactions (Campaci, F. (140) 121)

Peroxotitanium(IV) porphyrinates

Halogenated oxo- and peroxotitanium porphyrinates as sensitizers for the photooxygenation of olefinic compounds (Esser, P.E. (140) 13)

Phenol oxidation

Kinetics and selectivity of the copper-catalysed oxidative coupling of 4-(2',6'-dimethylphenoxy)-2,6-dimethylphenol (Baesjou, P.J. (140) 241)

Photooxygenation

Halogenated oxo- and peroxotitanium porphyrinates as sensitizers for the photooxygenation of olefinic compounds (Esser, P.E. (140) 13)

Photosensitizer

Halogenated oxo- and peroxotitanium porphyrinates as sensitizers for the photooxygenation of olefinic compounds (Esser, P.E. (140) 13)

Photosynthetic model

New molecule-based catalyst to produce H_2 by metalloporphine dispersed into polymer membrane (Taguchi, F. (140) 41)

Poly(1-butene)

Group 4 C_s symmetric catalysts and 1-olefin polymerization (Grisi, F. (140) 225)

Polymerization

Butadiene polymerization with various half-titanocenes (Ikai, S. (140) 115)

Polypropylene

Group 4 C_s symmetric catalysts and 1-olefin polymerization (Grisi, F. (140) 225)

Pretreatments

Rh/C catalysts in ethene hydroformylation: the effect of different supports and pretreatments (Kainulainen, T.A. (140) 173)

Proton reduction

New molecule-based catalyst to produce H_2 by metalloporphine dispersed into polymer membrane (Taguchi, F. (140) 41)

Pt-Re/ Al_2O_3

IR study of CO adsorption on Pt, Re and Pt-Re/ Al_2O_3 catalysts before and after coking (Anderson, J.A. (140) 65)

Pt-Re coking

IR study of CO adsorption on Pt, Re and Pt-Re/ Al_2O_3 catalysts before and after coking (Anderson, J.A. (140) 65)

Reaction mechanism

Kinetics and selectivity of the copper-catalysed oxidative coupling of 4-(2',6'-dimethylphenoxy)-2,6-dimethylphenol (Baesjou, P.J. (140) 241)

Re/ Al_2O_3

IR study of CO adsorption on Pt, Re and Pt-Re/ Al_2O_3 catalysts before and after coking (Anderson, J.A. (140) 65)

Reduced and preoxidized metal surfaces

Activity and regioselectivity in the ring-opening reaction of methyloxirane at metal-metal oxide interfaces (Pálinkó, I. (140) 195)

Relative activities and selectivities

Activity and regioselectivity in the ring-opening reaction of methyloxirane at metal-metal oxide interfaces (Pálinkó, I. (140) 195)

Reusability

Vanadyl(IV) acetate, a new reusable catalyst for acetylation of alcohols (Choudary, B.M. (140) 25)

- Rhenia–alumina catalyst ($\text{Re}_2\text{O}_7/\text{Al}_2\text{O}_3$ catalyst)
 Acyclic diene metathesis (ADMET) of vinylsilanes over $\text{Re}_2\text{O}_7\text{--Al}_2\text{O}_3$ catalyst (Kawai, T. (140) 287)
- Rhodium
 Ureas and thioureas as Rh-ligands for the enantioselective hydride transfer reduction of acetophenone (Touchard, F. (140) 1)
- Rhodium catalyst
 Rh/C catalysts in ethene hydroformylation: the effect of different supports and pretreatments (Kainulainen, T.A. (140) 173)
- Ruthenium
 Regio control in ruthenium catalysed aminomethylation (Schaffrath, H. (140) 107)
 Asymmetric hydrogenation by an in situ prepared (*S*)-BI-NAP–Ru(II) catalytic system (Matteoli, U. (140) 131)
 Silica hybrid gel catalysts containing ruthenium complexes: influence of reaction parameters on the catalytic behaviour in the synthesis of *N,N*-dimethylformamide from carbon dioxide (Kröcher, O. (140) 185)
- Selectivity
 Vanadyl(IV) acetate, a new reusable catalyst for acetylation of alcohols (Choudary, B.M. (140) 25)
- Silica
 Studies of the adsorption of acetaldehyde, methyl acetate, ethyl acetate, and methyl trifluoroacetate on silica (Natal-Santiago, M.A. (140) 199)
- Silica-supported Pt, Pd, Rh, Ni and Cu
 Activity and regioselectivity in the ring-opening reaction of methyloxirane at metal–metal oxide interfaces (Pálincó, I. (140) 195)
- Siloxane polymers
 Cr bound catalytically active sol–gel siloxane polymers (Ophir, R. (140) 259)
- Silylenevinylene
 Acyclic diene metathesis (ADMET) of vinylsilanes over $\text{Re}_2\text{O}_7\text{--Al}_2\text{O}_3$ catalyst (Kawai, T. (140) 287)
- Singlet oxygen
 Halogenated oxo- and peroxotitanium porphyrinates as sensitizers for the photooxygenation of olefinic compounds (Esser, P.E. (140) 13)
- Sol–gel
 Silica hybrid gel catalysts containing ruthenium complexes: influence of reaction parameters on the catalytic behaviour in the synthesis of *N,N*-dimethylformamide from carbon dioxide (Kröcher, O. (140) 185)
- Sol–gel process
 Cr bound catalytically active sol–gel siloxane polymers (Ophir, R. (140) 259)
- Stability
 Rh/C catalysts in ethene hydroformylation: the effect of different supports and pretreatments (Kainulainen, T.A. (140) 173)
- Stereoselective epoxidation
 Aluminosilicate-catalyzed oxidation of alcohols by *t*-butyl hydroperoxide (Palombi, L. (140) 47)
- Structural change
 Dynamic reaction characteristics affected by water molecules during the methanol to olefin conversion on NiAPSO-34 catalysts (Kang, M. (140) 55)
- Sulfated Ge–faujasite
 Hydrocarbons oxidation with hydrogen peroxide over germanic faujasites catalysts (Pârvulescu, V.I. (140) 91)
- Sulfide and ethanethiol oxidation
 Cobalt phthalocyanine derivatives supported on TiO_2 by sol–gel processing. Part 2. Activity in sulfide and ethanethiol oxidation (Stuchinskaya, T. (140) 235)
- Supercritical fluid
 Silica hybrid gel catalysts containing ruthenium complexes: influence of reaction parameters on the catalytic behaviour in the synthesis of *N,N*-dimethylformamide from carbon dioxide (Kröcher, O. (140) 185)
- Supported catalysts
 Cobalt phthalocyanine derivatives supported on TiO_2 by sol–gel processing. Part 2. Activity in sulfide and ethanethiol oxidation (Stuchinskaya, T. (140) 235)
- Syndiotactic
 Group 4 C_s symmetric catalysts and 1-olefin polymerization (Grisi, F. (140) 225)
- Temperature-programmed desorption (TPD)
 Studies of the adsorption of acetaldehyde, methyl acetate, ethyl acetate, and methyl trifluoroacetate on silica (Natal-Santiago, M.A. (140) 199)
- Tetravinylsilane
 Acyclic diene metathesis (ADMET) of vinylsilanes over $\text{Re}_2\text{O}_7\text{--Al}_2\text{O}_3$ catalyst (Kawai, T. (140) 287)
- TiCl_4 · ester complexes
 XPS study of the interaction of titanium species with internal electron donors on MgCl_2 -supported Ziegler catalysts (Mori, H. (140) 165)
- Titanium alkoxides
 Cobalt phthalocyanine derivatives supported on TiO_2 by sol–gel processing. Part 2. Activity in sulfide and ethanethiol oxidation (Stuchinskaya, T. (140) 235)
- Toluene
 Hydrocarbons oxidation with hydrogen peroxide over germanic faujasites catalysts (Pârvulescu, V.I. (140) 91)
- Urethane
 Kinetic study of organotin catalyzed alcohol-isocyanate reactions. Part 2: Inhibition by foreign substances in acetonitrile and toluene (Draye, A.-C. (140) 31)
- Vanadyl(IV) acetate
 Vanadyl(IV) acetate, a new reusable catalyst for acetylation of alcohols (Choudary, B.M. (140) 25)
- Vinylsilanes
 Acyclic diene metathesis (ADMET) of vinylsilanes over $\text{Re}_2\text{O}_7\text{--Al}_2\text{O}_3$ catalyst (Kawai, T. (140) 287)

X-ray photoelectron spectroscopy

XPS study of the interaction of titanium species with internal electron donors on MgCl_2 -supported Ziegler catalysts (Mori, H. (140) 165)

Ytterbium

Lanthanide (Eu or Yb)-promoted Ni, Cu and Ag-catalyzed transfer hydrogenation with NH_3 as a hydrogen donor (Imamura, H. (140) 81)

Zeolites

Aluminosilicate-catalyzed oxidation of alcohols by *t*-butyl hydroperoxide (Palombi, L. (140) 47)

Ziegler catalysts

XPS study of the interaction of titanium species with internal electron donors on MgCl_2 -supported Ziegler catalysts (Mori, H. (140) 165)