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Redox properties of Re_2O_7/Al_2O_3 as investigated by FTIR spectroscopy of adsorbed CO (Daniell, W. (204–205) 519)

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Linalool to geraniol/nerol isomerization catalyzed by $(RO)_3VO$ complexes: studies of kinetics and mechanism (Semikolenov, V.A. (204–205) 201)

Glyoxylic acid esters

Lewis acidic platinum(II) complexes as catalysts for the hetero Diels–Alder reaction (Cendron, A. (204–205) 187)

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Synthesis of isobutanol by the Guerbet condensation of methanol with *n*-propanol in the presence of heterogeneous and homogeneous palladium-based catalytic systems (Carlini, C. (204–205) 721)

Heterogeneous photocatalysis

CH₂Cl₂-assisted functionalization of cycloalkenes by photoexcited (*n*Bu₄N)₄W₁₀O₃₂ heterogenized on SiO₂ (Maldotti, A. (204–205) 703)

Heteropoly compound

Oxidation of hydrocarbons by dioxygen reductively activated on platinum and heteropoly compounds (Kuznetsova, N.I. (204–205) 591)

Homogeneous catalysis

Promotional effects of water and N-containing bases on Co-catalysed methoxycarbonylation of oct-1-ene (Jacob, C. (204–205) 149)

Homogeneous palladium catalysts

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Hybrid catalysis

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Efficient catalytic hydration of acetonitrile to acetamide using [Os(CO)₃Cl₂]₂ (Cariati, E. (204–205) 279)

Hydroformylation

Approaches to design of active structures by attaching and molecular imprinting of metal complexes on oxide surfaces (Tada, M. (204–205) 27)

Influence of an additional gas on the rhodium-catalyzed hydroformylation of olefins (Caporali, M. (204–205) 195)

Hydrogen peroxide

Selectivity in the peroxidase catalyzed oxidation of phenolic sulfides (De Riso, A. (204–205) 391)

Palladium(II)- or copper(II)-catalysed solution-phase oxyfunctionalisation of methane and other light alkanes by hydrogen peroxide in trifluoroacetic anhydride (Ingrosso, G. (204–205) 425)

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Hydrolysis

Efficient catalytic hydration of acetonitrile to acetamide using [Os(CO)₃Cl₂]₂ (Cariati, E. (204–205) 279)

Hydroxyalkylation

Approaches to design of active structures by attaching and molecular imprinting of metal complexes on oxide surfaces (Tada, M. (204–205) 27)

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Transition metal salts catalysis in the aerobic oxidation of organic compounds. Thermochemical and kinetic aspects and new synthetic developments in the presence of *N*-hydroxy-derivative catalysts (Minisci, F. (204–205) 63)

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On the first stages of the ethylene polymerization on Cr²⁺/SiO₂ Phillips catalyst: time and temperature resolved IR studies (Bordiga, S. (204–205) 527)

Innovative supports

Functional resins as innovative supports for catalytically active metal nanoclusters (Corain, B. (204–205) 755)

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Preparation of *cis*-poly(1-ethynylpyrene) using (1-Me-indenyl)(PPh₃)Ni–C≡C–Ph/methylaluminoxane as catalyst (Rivera, E. (204–205) 325)

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The influence of strong acidic proton donors on the reactivity of H₂Ir(CO)Cl(PPh₃)₂ with D₂ (Aime, S. (204–205) 371)

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Polymerization of 1,3-dienes with iron complexes based catalysts. Influence of the ligand on catalyst activity and stereospecificity (Ricci, G. (204–205) 287)

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Isobutanol catalytic synthesis

Synthesis of isobutanol by the Guerbet condensation of methanol with *n*-propanol in the presence of heterogeneous and homogeneous palladium-based catalytic systems (Carlini, C. (204–205) 721)

Isobutene

Redox properties of $\text{Re}_2\text{O}_7/\text{Al}_2\text{O}_3$ as investigated by FTIR spectroscopy of adsorbed CO (Daniell, W. (204–205) 519)

Isomerization

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Alkylation of benzene with isopropanol on β -zeolite: influence of physical state and water concentration on catalyst performances (Girotti, G. (204–205) 571)

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A theoretical analysis of the molecular events involved in hydrocarbons reactivity on palladium clusters (Bertani, V. (204–205) 771)

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Catalytic and selective synthesis of lactones and bis-lactones by palladium acetate/1,4-bis(diphenylphosphino)butane system under syngas conditions (Vasapollo, G. (204–205) 97)

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Metal-complex attaching

Approaches to design of active structures by attaching and molecular imprinting of metal complexes on oxide surfaces (Tada, M. (204–205) 27)

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Polymerisation with soluble metallocene chiral catalysts: a bridge between inorganic and macromolecular stereochemistry (Di Silvestro, G. (204–205) 315)

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Novel aluminum based cocatalysts for metallocene catalyzed olefin polymerization (Tritto, I. (204–205) 305)

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- Methanol**
Metal catalysed CO hydrogenation: hetero- or homo-, what is the difference? (Maitlis, P.M. (204-205) 55)
Synthesis of isobutanol by the Guerbet condensation of methanol with *n*-propanol in the presence of heterogeneous and homogeneous palladium-based catalytic systems (Carlini, C. (204-205) 721)
- Methylidyne ligands**
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- Mg-doping**
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- Microcalorimetry**
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- Ni based catalysts**
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- Nitrobenzene**
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- Nitrogen**
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- Nitrosyl complexes**
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- NMR**
Novel aluminum based cocatalysts for metallocene catalyzed olefin polymerization (Tritto, I. (204-205) 305)
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Olefin polymerization

Novel aluminum based cocatalysts for metallocene catalyzed olefin polymerization (Tritto, I. (204–205) 305)

Optimised geometries

A theoretical approach to a chemical system convertible into a storage cell: carbon–carbon bonds functioning as electron donor and electron acceptor units (Belanzoni, P. (204–205) 787)

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Surface organometallic chemistry of zirconium. Chemical reactivity of the $\equiv\text{Si-O-ZrNp}_3$ surface complex synthesized on dehydroxylated silica and application to the modification of mordenite (Adachi, M. (204–205) 443)

Organosulfur

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Reaction of a tetranuclear *N,N*-di-*iso*-propylcarbamato complex of cerium(III) with dioxygen: synthesis and X-ray characterization of both the oxidation product and its precursor (Baisch, U. (204–205) 259)

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Oxidation of hydrocarbons by dioxygen reductively activated on platinum and heteropoly compounds (Kuznetsova, N.I. (204–205) 591)

Oxidative addition reactions

Generation of $[\text{Tp}^*\text{Rh}(\eta^4\text{-1,3-COD})]$ (Tp^* = hydridotris(3,5-dimethyl)pyrazolylborate, 1,3-COD = cyclooctadiene) and its potential in C–H bond activation (Boaretto, R. (204–205) 253)

Oxidative coupling

Cu/SiO₂: a step forward in the heterogenization of the 2,6-dimethyl-phenol polymerization catalytic system (Ercoli, M. (204–205) 729)

Oxidative dehydrogenation

The characterization and the catalytic activity of modified Wells–Dawson-type polyoxometalates in the oxidehydrogenation of isobutane to isobutene (Cavani, F. (204–205) 599)

Oxide surfaces

Bonding of NO on Ni_xMg_{1-x}O powders: an EPR and computational study (Chiesa, M. (204–205) 779)

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Reaction of a tetranuclear *N,N*-di-*iso*-propylcarbamato complex of cerium(III) with dioxygen: synthesis and X-ray characterization of both the oxidation product and its precursor (Baisch, U. (204–205) 259)

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CH₂Cl₂-assisted functionalization of cycloalkenes by photoexcited $(n\text{Bu}_4\text{N})_4\text{W}_{10}\text{O}_{32}$ heterogenized on SiO₂ (Maldotti, A. (204–205) 703)

Oxygen reduction

Composite electrocatalysts for molecular O₂ reduction in electrochemical power sources (Mocchi, C. (204–205) 713)

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A new type of palladium-catalysed aromatic cross-coupling combined with a Suzuki reaction: synthesis of selectively 2,3'-substituted 1,1';2',1''-terphenyl derivatives (Motti, E. (204–205) 115)

Palladium acetate

Catalytic and selective synthesis of lactones and bis-lactones by palladium acetate/1,4-bis(diphenylphosphino)butane system under syngas conditions (Vasapollo, G. (204–205) 97)

Palladium catalyst

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- Highly active [Pd(AcO)₂(dppp)] catalyst for the CO–C₂H₄ copolymerization in H₂O–CH₃COOH solvent [dppp = 1,3-bis(diphenylphosphino)propane] (Vavasori, A. (204–205) 295)
- Palladium**
- Carbonylation of nitrobenzene to *N*-methyl phenylcarbamate catalyzed by palladium–phenanthroline complexes. Bifunctional activation by anthranilic acid (Gasperini, M. (204–205) 107)
- A new type of palladium-catalysed aromatic cross-coupling combined with a Suzuki reaction: synthesis of selectively 2,3'-substituted 1,1';2',1''-terphenyl derivatives (Motti, E. (204–205) 115)
- Carbon dioxide effect on palladium-catalyzed sequential reactions with carbon monoxide, acetylenic compounds and water (Chiusoli, G.P. (204–205) 133)
- Palladium(II)- or copper(II)-catalysed solution-phase oxyfunctionalisation of methane and other light alkanes by hydrogen peroxide in trifluoroacetic anhydride (Ingrosso, G. (204–205) 425)
- Functional resins as innovative supports for catalytically active metal nanoclusters (Corain, B. (204–205) 755)
- A theoretical analysis of the molecular events involved in hydrocarbons reactivity on palladium clusters (Bertani, V. (204–205) 771)
- Palladium–ceria interaction**
- Thermal stability, structural properties and catalytic activity of Pd catalysts supported on Al₂O₃–CeO₂–BaO mixed oxides prepared by sol–gel method (Liotta, L.F. (204–205) 763)
- Paramagnetic NMR relaxation**
- Selectivity in the peroxidase catalyzed oxidation of phenolic sulfides (De Riso, A. (204–205) 391)
- Partial oxidation**
- Palladium(II)- or copper(II)-catalysed solution-phase oxyfunctionalisation of methane and other light alkanes by hydrogen peroxide in trifluoroacetic anhydride (Ingrosso, G. (204–205) 425)
- Pd/TiO₂**
- AuPd bimetallic nanoparticles on TiO₂: XRD, TEM, in situ EXAFS studies and catalytic activity in CO oxidation (Guczi, L. (204–205) 545)
- Pentacoordinated silicates**
- Biaryl formation: palladium catalyzed cross-coupling reactions between hypervalent silicon reagents and aryl halides (Penso, M. (204–205) 177)
- Peptide nucleic acids**
- Synthesis of the first chiral PNA monomer labelled with a Fischer-type carbene complex (Maiorana, S. (204–205) 165)
- Perfluorurated alcohols**
- The influence of strong acidic proton donors on the reactivity of H₂Ir(CO)Cl(PPh₃)₂ with D₂ (Aime, S. (204–205) 371)
- Peroxidase**
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- Phase transfer catalysis (PTC): search for alternative organic solvents, even environmentally benign (Landini, D. (204–205) 235)
- Phase-transfer**
- Modifier effects on Pt/C, Pd/C, and Raney-Ni catalysts in multiphase catalytic hydrogenation systems (Tundo, P. (204–205) 747)
- Phenol**
- Alkylation of benzene with isopropanol on β-zeolite: influence of physical state and water concentration on catalyst performances (Girotti, G. (204–205) 571)
- Phenylation**
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- Phillips catalyst**
- On the first stages of the ethylene polymerization on Cr²⁺/SiO₂ Phillips catalyst: time and temperature resolved IR studies (Bordiga, S. (204–205) 527)
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- Generation of [Tp^{*}Rh(η⁴-1,3-COD)] (Tp^{*} = hydridotris(3,5-dimethyl)pyrazolylborate, 1,3-COD = cyclooctadiene) and its potential in C–H bond activation (Boaretto, R. (204–205) 253)
- Photoexcited polyoxotungstate**
- CH₂Cl₂-assisted functionalization of cycloalkenes by photoexcited (nBu₄N)₄W₁₀O₃₂ heterogenized on SiO₂ (Maldotti, A. (204–205) 703)
- Photoisomerization**
- Generation of [Tp^{*}Rh(η⁴-1,3-COD)] (Tp^{*} = hydridotris(3,5-dimethyl)pyrazolylborate, 1,3-COD = cyclooctadiene) and its potential in C–H bond activation (Boaretto, R. (204–205) 253)
- Photoluminescence**
- The identity of titanium centres in microporous aluminophosphates compared with Ti-MCM-41 mesoporous catalyst and titanosilsesquioxane dimer molecular complex: a spectroscopy study (Gianotti, E. (204–205) 483)
- Platinum catalyst**
- Interaction of molecular hydrogen with three-way catalyst model of Pt/Ce_{0.6}Zr_{0.4}O₂/Al₂O₃ type (Fornasiero, P. (204–205) 683)
- Platinum nanoparticles**
- The molecular mechanism of the poisoning of platinum and rhodium catalyzed ethylene hydrogenation by carbon monoxide (Hwang, K.S. (204–205) 499)
- Platinum**
- Lewis acidic platinum(II) complexes as catalysts for the hetero Diels–Alder reaction (Cendron, A. (204–205) 187)
- Oxidation of hydrocarbons by dioxygen reductively activated on platinum and heteropoly compounds (Kuznetsova, N.I. (204–205) 591)
- cis*-Poly(1-ethynylpyrene)
- Preparation of *cis*-poly(1-ethynylpyrene) using (1-Me-inde-nyl)(PPh₃)Ni–C≡C–Ph/methylaluminioxane as catalyst (Rivera, E. (204–205) 325)

Polyacetylenes

Preparation of *cis*-poly(1-ethynylpyrene) using (1-Me-indenyl)(PPh₃)Ni-C≡C-Ph/methylaluminumoxane as catalyst (Rivera, E. (204–205) 325)

Polyhedral growth sequence

The ligand polyhedral model: some further considerations of tetrahedral clusters with 12 carbonyl ligands (Johnson, B.F.G. (204–205) 341)

Polyketones

Highly active [Pd(AcO)₂(dppp)] catalyst for the CO-C₂H₄ copolymerization in H₂O-CH₃COOH solvent [dppp = 1,3-bis(diphenylphosphino)propane] (Vavasori, A. (204–205) 295)

Polymer-supported catalysts

Poly(ethylene-glycol)-supported proline: a recyclable aminocatalyst for the enantioselective synthesis of γ -nitroketones by conjugate addition (Benaglia, M. (204–205) 157)

Polymerization

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Oligomerization and polymerization of alkynes catalyzed by rhodium(I) pyrazolate complexes (Attilio Ardizzoia, G. (204–205) 333)

Polyoxometallates

The characterization and the catalytic activity of modified Wells–Dawson-type polyoxometallates in the oxidehydrogenation of isobutane to isobutene (Cavani, F. (204–205) 599)

Polyphenylene-ether production

Cu/SiO₂: a step forward in the heterogenization of the 2,6-dimethyl-phenol polymerization catalytic system (Ercoli, M. (204–205) 729)

1,2-Polybutadiene

Polymerization of 1,3-dienes with iron complexes based catalysts. Influence of the ligand on catalyst activity and stereospecificity (Ricci, G. (204–205) 287)

Promoter effects

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Propene hydroformylation

Characterization and catalytic performances of alkali-metal promoted Rh/SiO₂ catalysts for propene hydroformylation (Sordelli, L. (204–205) 509)

Propene oligomerisation

Reaction and deactivation study of mesoporous silica–alumina (MSA) in propene oligomerisation (Flego, C. (204–205) 581)

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NO reduction by C₃H₆ and O₂ over supported noble metals. Part I. Role of the support on the nature of NO_x adspecies and their relationship with the catalytic behaviour (Centi, G. (204–205) 663)

Pyrazolate complexes

Oligomerization and polymerization of alkynes catalyzed by rhodium(I) pyrazolate complexes (Attilio Ardizzoia, G. (204–205) 333)

Quaternary onium salts

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Density Functional Theory investigation of guanosine triphosphate models. Catalytic role of Mg²⁺ ions in phosphate ester hydrolysis (Franzini, E. (204–205) 409)

Reactions in environmentally benign solvents

Phase transfer catalysis (PTC): search for alternative organic solvents, even environmentally benign (Landini, D. (204–205) 235)

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Ni based mixed oxide materials for CH₄ oxidation under redox cycle conditions (Villa, R. (204–205) 637)

Redox properties

Vanadyl phosphate dihydrate supported on oxides for the catalytic conversion of ethane to ethylene (Lisi, L. (204–205) 609)

Redox properties of a TiO₂ supported Cu-V-K-Cl catalyst in low temperature soot oxidation (Ciambelli, P. (204–205) 673)

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Characterization and catalytic performances of alkali-metal promoted Rh/SiO₂ catalysts for propene hydroformylation (Sordelli, L. (204–205) 509)

Rh complexes

Generation of [Tp^{*}Rh(η^4 -1,3-COD)] (Tp^{*} = hydridotris(3,5-dimethyl)pyrazolylborate, 1,3-COD = cyclooctadiene) and its potential in C–H bond activation (Boaretto, R. (204–205) 253)

Rh

Metal catalysed CO hydrogenation: hetero- or homo-, what is the difference? (Maitlis, P.M. (204–205) 55)

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- Rhodium catalysis**
- Reduction of aromatic nitro compounds as catalyzed by rhodium trichloride under water–gas shift reaction conditions (Mdleleni, M.M. (204–205) 125)
- Rhodium**
- Approaches to design of active structures by attaching and molecular imprinting of metal complexes on oxide surfaces (Tada, M. (204–205) 27)
- Oligomerization and polymerization of alkynes catalyzed by rhodium(I) pyrazolate complexes (Attilio Ardizzioia, G. (204–205) 333)
- The molecular mechanism of the poisoning of platinum and rhodium catalyzed ethylene hydrogenation by carbon monoxide (Hwang, K.S. (204–205) 499)
- Ru**
- Metal catalysed CO hydrogenation: hetero- or homo-, what is the difference? (Maitlis, P.M. (204–205) 55)
- Ruthenium**
- Water-soluble analogs of $[\text{RuCl}_3(\text{NO})(\text{PPh}_3)_2]$ and their catalytic activity in the hydrogenation of carbon dioxide and bicarbonate in aqueous solution (Kathó, A. (204–205) 143)
- Alkene dicarbonyl complexes of Ru in a zeolite matrix. Formation and catalytic properties (Miessner, H. (204–205) 491)
- Sakurai reaction**
- Enantioselective Mukaiyama aldol and Sakurai allylation reactions catalysed by silver(I) complexes with chiral atropisomeric chelating ligands (Cesarotti, E. (204–205) 221)
- Schiff bases**
- Fluorous biphasic oxidation of sulfides catalysed by (salen)manganese(III) complexes (Cavazzini, M. (204–205) 433)
- Selectivity**
- Vanadyl phosphate dihydrate supported on oxides for the catalytic conversion of ethane to ethylene (Lisi, L. (204–205) 609)
- Silica**
- Silica-supported rhodium hydrides stabilized by triisopropylphosphine (Scott, S.L. (204–205) 457)
- Characterization and catalytic performances of alkali-metal promoted Rh/SiO₂ catalysts for propene hydroformylation (Sordelli, L. (204–205) 509)
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- Sol–gel**
- Leaching of anchored Rh and Pd species from thiourea-functionalized monolithic silica xerogel catalysts (Balzano, L. (204–205) 737)
- Solid-state NMR**
- Surface organometallic chemistry of zirconium. Chemical reactivity of the $\equiv\text{Si-O-ZrNp}_3$ surface complex synthesized on dehydroxylated silica and application to the modification of mordenite (Adachi, M. (204–205) 443)
- Soluble polymers**
- Poly(ethylene-glycol)-supported proline: a recyclable aminocatalyst for the enantioselective synthesis of γ -nitroketones by conjugate addition (Benaglia, M. (204–205) 157)
- Solvent effects in PTC reactions**
- Phase transfer catalysis (PTC): search for alternative organic solvents, even environmentally benign (Landini, D. (204–205) 235)
- Solvent**
- Nb(V) compounds as epoxides carboxylation catalysts: the role of the solvent (Aresta, M. (204–205) 245)
- Soot**
- Redox properties of a TiO₂ supported Cu–V–K–Cl catalyst in low temperature soot oxidation (Ciambelli, P. (204–205) 673)
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- Alkene hydrogenation catalyzed by rhenium carbonyls bonded to highly dealuminated Y zeolite: spectroscopic characterization of the working catalyst (Enderle, B. (204–205) 473)
- Stereoselective catalytic oxidations**
- Stereoselective catalytic oxidations of biomimetic copper complexes with a chiral trinucleating ligand derived from 1,1-binaphthalene (Mimmi, M.C. (204–205) 381)
- Stereospecific polymerization**
- Polymerization of 1,3-dienes with iron complexes based catalysts. Influence of the ligand on catalyst activity and stereospecificity (Ricci, G. (204–205) 287)
- Structure**
- The ligand polyhedral model: some further considerations of tetrahedral clusters with 12 carbonyl ligands (Johnson, B.F.G. (204–205) 341)
- Sulfide**
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- Sulfoxides**
- Fluorous biphasic oxidation of sulfides catalysed by (salen)manganese(III) complexes (Cavazzini, M. (204–205) 433)
- Sulphated-ZrO₂**
- The catalytic activity of CoO_x/sulphated-ZrO₂ for the NO abatement with C₃H₆ in the presence of O₂: the dependence of activity and selectivity on the sulphate content (Indovina, V. (204–205) 655)

Supported cobalt oxide

The catalytic activity of $\text{CoO}_x/\text{sulphated-ZrO}_2$ for the NO abatement with C_3H_6 in the presence of O_2 : the dependence of activity and selectivity on the sulphate content (Indovina, V. (204–205) 655)

Supported rhenium complex

Alkene hydrogenation catalyzed by rhenium carbonyls bonded to highly dealuminated Y zeolite: spectroscopic characterization of the working catalyst (Enderle, B. (204–205) 473)

Surface chemistry

Alkene dicarbonyl complexes of Ru in a zeolite matrix. Formation and catalytic properties (Miessner, H. (204–205) 491)

Surface organometallic chemistry

Silica-supported rhodium hydrides stabilized by triisopropylphosphine (Scott, S.L. (204–205) 457)

TEM

AuPd bimetallic nanoparticles on TiO_2 : XRD, TEM, in situ EXAFS studies and catalytic activity in CO oxidation (Guczi, L. (204–205) 545)

Template

Approaches to design of active structures by attaching and molecular imprinting of metal complexes on oxide surfaces (Tada, M. (204–205) 27)

TEMPO

Transition metal salts catalysis in the aerobic oxidation of organic compounds. Thermochemical and kinetic aspects and new synthetic developments in the presence of *N*-hydroxy-derivative catalysts (Minisci, F. (204–205) 63)

Teraconic anhydride

Carbon dioxide effect on palladium-catalyzed sequential reactions with carbon monoxide, acetylenic compounds and water (Chiusoli, G.P. (204–205) 133)

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A new type of palladium-catalysed aromatic cross-coupling combined with a Suzuki reaction: synthesis of selectively 2,3'-substituted 1,1';2',1''-terphenyl derivatives (Motti, E. (204–205) 115)

TetraMeBITIOP

Enantioselective Mukaiyama aldol and Sakurai allylation reactions catalysed by silver(I) complexes with chiral atropisomeric chelating ligands (Cesarotti, E. (204–205) 221)

Thermal stabilization

Thermal stability, structural properties and catalytic activity of Pd catalysts supported on $\text{Al}_2\text{O}_3\text{-CeO}_2\text{-BaO}$ mixed oxides prepared by sol-gel method (Liotta, L.F. (204–205) 763)

Thermoanalytical studies

An organometallic route to mono and bimetallic Pt and Pt-Pd catalysts supported on magnesium oxide: thermoanalytical investigation and catalytic behavior in MCP conversion (Dossi, C. (204–205) 465)

Thermodynamics and mechanisms

Metal catalysed CO hydrogenation: hetero- or homo-, what is the difference? (Maitlis, P.M. (204–205) 55)

Three-way catalyst

Interaction of molecular hydrogen with three-way catalyst model of $\text{Pt/Ce}_{0.6}\text{Zr}_{0.4}\text{O}_2/\text{Al}_2\text{O}_3$ type (Fornasiero, P. (204–205) 683)

Ti-aluminophosphates

The identity of titanium centres in microporous aluminophosphates compared with Ti-MCM-41 mesoporous catalyst and titanilosilsequioxane dimer molecular complex: a spectroscopy study (Gianotti, E. (204–205) 483)

Time resolved FTIR

On the first stages of the ethylene polymerization on $\text{Cr}^{2+}/\text{SiO}_2$ Phillips catalyst: time and temperature resolved IR studies (Bordiga, S. (204–205) 527)

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Adsorption and photocatalytic degradation of acetonitrile: FT-IR investigation (Davit, P. (204–205) 693)

Titania-alumina

NO reduction by C_3H_6 and O_2 over supported noble metals. Part I. Role of the support on the nature of NO_x adspecies and their relationship with the catalytic behaviour (Centi, G. (204–205) 663)

Titanosilsequioxane

The identity of titanium centres in microporous aluminophosphates compared with Ti-MCM-41 mesoporous catalyst and titanilosilsequioxane dimer molecular complex: a spectroscopy study (Gianotti, E. (204–205) 483)

Transition metal salt catalysis

Transition metal salts catalysis in the aerobic oxidation of organic compounds. Thermochemical and kinetic aspects and new synthetic developments in the presence of *N*-hydroxy-derivative catalysts (Minisci, F. (204–205) 63)

Transition metal trinuclear clusters (Fe, Ru, Co)

Reactions of diphenylacetylene and dihydrogen with chalcogenide- or methylidyne-capped trinuclear iron, ruthenium and cobalt clusters. Evidence for the formation and recombination of metal fragments (Allasia, C. (204–205) 351)

Urethanes

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Vanadium complexes

Linalool to geraniol/nerol isomerization catalyzed by $(\text{RO})_3\text{VO}$ complexes: studies of kinetics and mechanism (Semikolenov, V.A. (204–205) 201)

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Oxidative dehydrogenation of ethanol to acetaldehyde on $\text{V}_2\text{O}_5/\text{TiO}_2\text{-SiO}_2$ catalysts obtained by grafting vanadium and titanium alkoxides on silica (Santacesaria, E. (204–205) 617)

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Vanadyl phosphate dihydrate supported on oxides for the catalytic conversion of ethane to ethylene (Lisi, L. (204–205) 609)

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The influence of strong acidic proton donors on the reactivity of $\text{H}_2\text{Ir}(\text{CO})\text{Cl}(\text{PPh}_3)_2$ with D_2 (Aime, S. (204–205) 371)

⁵¹V NMR

Linalool to geraniol/nerol isomerization catalyzed by (RO)₃VO complexes: studies of kinetics and mechanism (Semikolenov, V.A. (204–205) 201)

Water

Highly active [Pd(AcO)₂(dppp)] catalyst for the CO-C₂H₄ copolymerization in H₂O-CH₃COOH solvent [dppp = 1,3-bis(diphenylphosphino)propane] (Vavasori, A. (204–205) 295)

Water–gas shift

Reduction of aromatic nitro compounds as catalyzed by rhodium trichloride under water–gas shift reaction conditions (Mdleleni, M.M. (204–205) 125)

Water-soluble

Water-soluble analogs of [RuCl₃(NO)(PPh₃)₂] and their catalytic activity in the hydrogenation of carbon dioxide and bicarbonate in aqueous solution (Kathó, A. (204–205) 143)

Wells–Dawson

The characterization and the catalytic activity of modified Wells–Dawson-type polyoxometalates in the oxidehydrogenation of isobutane to isobutene (Cavani, F. (204–205) 599)

Wilkinson catalyst

Influence of an additional gas on the rhodium-catalyzed hydroformylation of olefins (Caporali, M. (204–205) 195)

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Influence of an additional gas on the rhodium-catalyzed hydroformylation of olefins (Caporali, M. (204–205) 195)

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Zirconium

Surface organometallic chemistry of zirconium. Chemical reactivity of the ≡Si–O–ZrNp₃ surface complex synthesized on dehydroxylated silica and application to the modification of mordenite (Adachi, M. (204–205) 443)