

Subject index

Acid catalysis

Sulfonated poly(styrene-co-divinylbenzene) ion-exchange resins: acidities and catalytic activities in aqueous reactions (Hart, M. (182–183C) 439)

Acid–base bifunctional catalyst

Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)

Active structures

Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques (Suzuki, A. (182–183C) 125)

Addition

The role of protons in hydroamination reactions involving homogeneous and heterogeneous catalysts (Penzien, J. (182–183C) 489)

Adsorptive immobilization

Macrostructured carbonized ceramics as adsorbents for immobilization of glucoamylase (Kovalenko, G.A. (182–183C) 73)

Alcohol dehydration

Sulfonated poly(styrene-co-divinylbenzene) ion-exchange resins: acidities and catalytic activities in aqueous reactions (Hart, M. (182–183C) 439)

Aldol condensation

Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)

Alkene hydrogenation

Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques (Suzuki, A. (182–183C) 125)

Alkene isomerization

“Coke” molecules trapped in the micropores of zeolites as active species in hydrocarbon transformations (Guisnet, M. (182–183C) 367)

Alkene

The role of protons in hydroamination reactions involving homogeneous and heterogeneous catalysts (Penzien, J. (182–183C) 489)

Alkoxide

Homogeneous and heterogeneous alkyl-alkoxo-lanthanide type catalysts for polymerization and block-copolymerization of ethylene and methyl methacrylate (Gromada, J. (182–183C) 525)

Alkylation

Efficiency of a tetraphosphine ligand in palladium catalysed allylic amination (Feuerstein, M. (182–183C) 471)

Alkyne

The role of protons in hydroamination reactions involving homogeneous and heterogeneous catalysts (Penzien, J. (182–183C) 489)

Allenylidene–ruthenium

Preparation of new ruthenium–allenylidene catalysts and their use in polymerisation of cyclic olefins (Alaoui Abdallaoui, I. (182–183C) 577)

Allylic alkylation

Silica immobilised palladium phosphine complexes as recyclable, regioselective catalysts for the allylic alkylation (Sandee, A.J. (182–183C) 309)

ALPO

Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)

Alumina

Towards a structure–activity relationship for oxide supported metals (Evans, J. (182–183C) 351)

Aluminium phosphates

Microemulsion-assisted synthesis of catalysts based on aluminium and magnesium phosphates (Aramendía, M.Á. (182–183C) 35)

Amberlyst-15

Dehydration of 1-pentanol to di-*n*-pentyl ether over ion-exchange resin catalysts (Tejero, J. (182–183C) 541)

Amination

Efficiency of a tetraphosphine ligand in palladium catalysed allylic amination (Feuerstein, M. (182–183C) 471)
A new improved catalyst for the palladium-catalyzed amination of aryl chlorides (Ehrentraut, A. (182–183C) 515)

Amine

The role of protons in hydroamination reactions involving homogeneous and heterogeneous catalysts (Penzien, J. (182–183C) 489)

Aminosilane

Regioselective hydrogenation of dienes catalyzed by palladium–aminosilane complexes grafted on MCM-41 (Shimazu, S. (182–183C) 343)

Ammonia

Sulfonated poly(styrene-co-divinylbenzene) ion-exchange resins: acidities and catalytic activities in aqueous reactions (Hart, M. (182–183C) 439)

Anilines

A new improved catalyst for the palladium-catalyzed amination of aryl chlorides (Ehrentraut, A. (182–183C) 515)

Aromatic alkylation

“Coke” molecules trapped in the micropores of zeolites as active species in hydrocarbon transformations (Guisnet, M. (182–183C) 367)

Aryl chlorides

A new improved catalyst for the palladium-catalyzed amination of aryl chlorides (Ehrentraut, A. (182–183C) 515)

Asymmetric catalysis

Enantiopure beads: a tool for asymmetric heterogeneous catalysis (Hérault, D. (182–183C) 249)

Chiral fluoros catalysis: synthesis and purposes (Pozzi, G. (182–183C) 455)

Homogeneous versus heterogeneous approach to the catalytic desymmetrisation of *meso*-anhydrides promoted by cinchona alkaloids (Bigi, F. (182–183C) 533)

Asymmetric heterogeneous catalysis

Enantioselective catalysis of Diels–Alder reactions by heterogeneous chiral bis(oxazoline) catalysts (Rechavi, D. (182–183C) 239)

Base adsorption

Sulfonated poly(styrene-co-divinylbenzene) ion-exchange resins: acidities and catalytic activities in aqueous reactions (Hart, M. (182–183C) 439)

Biphasic catalysis

Ionic liquids: perspectives for organic and catalytic reactions (Olivier-Bourbigou, H. (182–183C) 419)

Chiral fluoros catalysis: synthesis and purposes (Pozzi, G. (182–183C) 455)

2,6-Bis[1-(2,6-dimethylphenylimino)ethyl]pyridineiron(II) and cobalt(II) chlorides

Study of the ethylene polymerization over homogeneous and supported catalysts based on 2,6-bis(imino)pyridyl complexes of Fe(II) and Co(II) (Semikolenova, N.V. (182–183C) 283)

Bis(oxazoline)-modified CuHY zeolite

Heterogeneous aziridination of styrene using [*N*-(*p*-nitrophenyl-sulfonyl)imino]phenyliodine as nitrene donor: influence of the reaction parameters on yield and enantioselectivity (Gullick, J. (182–183C) 571)

Bite angle

Silica immobilised palladium phosphine complexes as recyclable, regioselective catalysts for the allylic alkylation (Sandee, A.J. (182–183C) 309)

Bromoarenes

Control of Pd leaching in Heck reactions of bromoarenes catalyzed by Pd supported on activated carbon (Heidenreich, R.G. (182–183C) 499)

Bronsted base catalyst

Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)

C–H bond

Ruthenium-catalyzed addition of olefinic C–H bonds in

conjugate enones to acetylenes to give conjugate dienones (Kakiuchi, F. (182–183C) 511)

C–N cleavage

Cobalt-catalyzed selective conversion of diallylanilines and arylimines to quinolines (Jacob, J. (182–183C) 565)

Calcined hydrotalcites

Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)

Carbon dioxide

Carbon dioxide as building block for the synthesis of organic carbonates. Behavior of homogeneous and heterogeneous catalysts in the oxidative carboxylation of olefins (Aresta, M. (182–183C) 399)

Carbon tetrachloride

Carbon tetrachloride hydrodechlorination with organometallics-based platinum and palladium catalysts on MgO (Dal Santo, V. (182–183C) 157)

Carbon–carbon coupling

Biaryl synthesis via Suzuki coupling promoted by catalytic amounts of quaternary ammonium salts (Castanet, A.-S. (182–183C) 481)

Carbon-supported iridium catalysts

Carbon-supported iridium catalysts in the catalytic wet air oxidation of carboxylic acids: kinetics and mechanistic interpretation (Gomes, H.T. (182–183C) 47)

Carbonylation

Anchoring of Pd on silica functionalized with nitrogen containing chelating groups and applications in catalysis (Lagasi, M. (182–183C) 61)

PdCl₂(PPh₃)₂-heteropolyacids-catalyzed regioselective hydrocarboxylation of styrene (El Ali, B. (182–183C) 195)

Carbonyls

Towards a structure–activity relationship for oxide supported metals (Evans, J. (182–183C) 351)

Carboxylic acid

PdCl₂(PPh₃)₂-heteropolyacids-catalyzed regioselective hydrocarboxylation of styrene (El Ali, B. (182–183C) 195)

Esterification of different acids over heterogeneous and homogeneous catalysts and correlation with the Taft equation (Lilja, J. (182–183C) 555)

Catalysis

Molecular design and synthesis of heterogeneous and single-site, supported catalysts (Don Tilley, T. (182–183C) 17)

Efficiency of a tetraphosphine ligand in palladium catalysed allylic amination (Feuerstein, M. (182–183C) 471)

Cobalt-catalyzed selective conversion of diallylanilines and arylimines to quinolines (Jacob, J. (182–183C) 565)

Catalysts

Carbon dioxide as building block for the synthesis of organic carbonates. Behavior of homogeneous and heterogeneous catalysts in the oxidative carboxylation of olefins (Aresta, M. (182–183C) 399)

Catalytic oxidation

Selective oxidation of aromatic compounds with dioxygen and peroxides catalyzed by phthalocyanine supported catalysts (Sorokin, A.B. (182–183C) 267)

- Catalytic wet air oxidation
Carbon-supported iridium catalysts in the catalytic wet air oxidation of carboxylic acids: kinetics and mechanistic interpretation (Gomes, H.T. (182–183C) 47)
- Chemical design of catalyst surfaces
Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques (Suzuki, A. (182–183C) 125)
- Chiral bis(oxazoline) ligands
Enantioselective catalysis of Diels–Alder reactions by heterogeneous chiral bis(oxazoline) catalysts (Rechavi, D. (182–183C) 239)
- Chiral catalysis
New catalysts for clean technology (Johnson, B.F.G. (182–183C) 89)
- Cinchona alkaloids
Homogeneous versus heterogeneous approach to the catalytic desymmetrisation of *meso*-anhydrides promoted by cinchona alkaloids (Bigi, F. (182–183C) 533)
- Clay minerals
Polymerisation of ethylene or propylene with heterogeneous metallocene catalysts on clay minerals (Weiss, K. (182–183C) 143)
- Cluster catalysis
Catalytic properties of cluster Grignard reagents (Tjurina, L.A. (182–183C) 395)
- Cluster
Catalytic properties of cluster Grignard reagents (Tjurina, L.A. (182–183C) 395)
- CO oxidation
New application of spray reaction technique to the preparation of supported gold catalysts for environmental catalysis (Uematsu, T. (182–183C) 209)
- Cobalt
Cobalt-catalyzed selective conversion of diallylanilines and arylimines to quinolines (Jacob, J. (182–183C) 565)
- Coke
“Coke” molecules trapped in the micropores of zeolites as active species in hydrocarbon transformations (Guisnet, M. (182–183C) 367)
- Colloidal catalysis
Homogeneous hydrogenation in supercritical fluids mediated by colloidal catalysts (Niessen, H.G. (182–183C) 463)
- Colloidal particles
Liquid-phase hydrogenation of hexadienes on metallic colloidal nanoparticles immobilized on supports via coordination capture by bifunctional organic molecules (Brayner, R. (182–183C) 227)
- Conjugate dienones
Ruthenium-catalyzed addition of olefinic C–H bonds in conjugate enones to acetylenes to give conjugate dienones (Kakiuchi, F. (182–183C) 511)
- Conjugate enones
Ruthenium-catalyzed addition of olefinic C–H bonds in conjugate enones to acetylenes to give conjugate dienones (Kakiuchi, F. (182–183C) 511)
- Crystal surfaces
Heterogeneous catalysis on atomic scale (Ertl, G. (182–183C) 5)
- Cyclic olefins
Preparation of new ruthenium–allenylidene catalysts and their use in polymerisation of cyclic olefins (Alaoui Abdallaoui, I. (182–183C) 577)
- Dehydration–dehydrogenation
Influence of the structure and composition of magnesium phosphate catalysts on the transformation of 2-hexanol (Aramendía, M.Á. (182–183C) 25)
- Dendrimer
Phosphine-containing carbosilane dendrimers based on polyhedral silsesquioxane cores as ligands for hydroformylation reaction of oct-1-ene (Ropartz, L. (182–183C) 99)
- Desymmetrisation
Homogeneous versus heterogeneous approach to the catalytic desymmetrisation of *meso*-anhydrides promoted by cinchona alkaloids (Bigi, F. (182–183C) 533)
- Diamido ligands
Zirconium(IV) benzyl complexes that contain chelating diamido ligands: synthesis, fluxionality and ethylene polymerization activity (Gauvin, R.M. (182–183C) 411)
- Diastereoselectivity
Diastereoselective epoxidation of hydroxy-containing unsaturated terpenes on heterogeneous titanium-catalyst (Guidotti, M. (182–183C) 151)
- Dibenzyl complexes
Zirconium(IV) benzyl complexes that contain chelating diamido ligands: synthesis, fluxionality and ethylene polymerization activity (Gauvin, R.M. (182–183C) 411)
- Diblock copolymers
Homogeneous and heterogeneous alkyl-alkoxo-lanthanide type catalysts for polymerization and block-copolymerization of ethylene and methyl methacrylate (Gromada, J. (182–183C) 525)
- DNPE
Dehydration of 1-pentanol to di-*n*-pentyl ether over ion-exchange resin catalysts (Tejero, J. (182–183C) 541)
- Electronegativity
Bulk redox properties of heteropolyacids determined from surface properties of nanostructured heteropolyacid monolayers (Song, I.K. (182–183C) 185)
- Enantiopure epoxy polymers
Enantiopure beads: a tool for asymmetric heterogeneous catalysis (Hérault, D. (182–183C) 249)
- Enantioselective Diels–Alder reactions
Enantioselective catalysis of Diels–Alder reactions by heterogeneous chiral bis(oxazoline) catalysts (Rechavi, D. (182–183C) 239)
- Environmental catalysis
New application of spray reaction technique to the preparation of supported gold catalysts for environmental catalysis (Uematsu, T. (182–183C) 209)
- Epoxidation
Non-hydrolytic sol–gel routes based on alkyl halide elimination: toward better mixed oxide catalysts and new supports. Application to the preparation of a SiO₂–TiO₂ epoxidation catalyst (Lafond, V. (182–183C) 81)

- Diastereoselective epoxidation of hydroxy-containing unsaturated terpenes on heterogeneous titanium-catalyst (Guidotti, M. (182–183C) 151)
- Molybdenum-based epoxidation catalysts heterogenized in silica matrixes via the sol–gel method (Teixeira, S. (182–183C) 167)
- Preparation of titanium molecular species supported on mesostructured silica by different grafting methods (Calleja, G. (182–183C) 215)
- Epoxidation with peroxotungstic acid immobilised onto silica-grafted phosphoramides (Gelbard, G. (182–183C) 257)
- Chiral fluorosulfonate catalysts: synthesis and purposes (Pozzi, G. (182–183C) 455)
- Ester hydrolysis**
Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques (Suzuki, A. (182–183C) 125)
- Esterification**
Esterification of different acids over heterogeneous and homogeneous catalysts and correlation with the Taft equation (Lilja, J. (182–183C) 555)
- Ethanol dehydrogenation**
Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques (Suzuki, A. (182–183C) 125)
- Ethene hydroformylation**
Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques (Suzuki, A. (182–183C) 125)
- Ethyl *tert*-butyl ether**
Heteropolyacid (HPA)-polymer composite films as catalytic materials for heterogeneous reactions (Lim, S.S. (182–183C) 175)
- Ethylene polymerization**
Study of the ethylene polymerization over homogeneous and supported catalysts based on 2,6-bis(imino)pyridyl complexes of Fe(II) and Co(II) (Semikolenova, N.V. (182–183C) 283)
- Ethylene**
Homogeneous and heterogeneous alkyl-alkoxy-lanthanide type catalysts for polymerization and block-copolymerization of ethylene and methyl methacrylate (Gromada, J. (182–183C) 525)
- Extraframework species**
IR spectroscopy of adsorbed NO as a useful tool for the characterisation of low concentrated Fe-silicalite catalysts (Berlier, G. (182–183C) 359)
- Fe-silicalite**
IR spectroscopy of adsorbed NO as a useful tool for the characterisation of low concentrated Fe-silicalite catalysts (Berlier, G. (182–183C) 359)
- Fibrous polymer-supported sulphonic acid catalyst**
Esterification of different acids over heterogeneous and homogeneous catalysts and correlation with the Taft equation (Lilja, J. (182–183C) 555)
- Filamentous carbon**
Macrostructured carbonized ceramics as adsorbents for immobilization of glucoamylase (Kovalenko, G.A. (182–183C) 73)
- Film catalyst**
Heteropolyacid (HPA)-polymer composite films as catalytic materials for heterogeneous reactions (Lim, S.S. (182–183C) 175)
- Fluxionality**
Zirconium(IV) benzyl complexes that contain chelating diamido ligands: synthesis, fluxionality and ethylene polymerization activity (Gauvin, R.M. (182–183C) 411)
- Foam**
Macrostructured carbonized ceramics as adsorbents for immobilization of glucoamylase (Kovalenko, G.A. (182–183C) 73)
- Formaldehyde**
A note on the role of methanol in the homogeneous and heterogeneous acid-catalyzed hydroxymethylation of guaiacol with aqueous solutions of formaldehyde (Cavani, F. (182–183C) 447)
- Fries rearrangement**
Fries rearrangement in methane sulfonic acid, an environmental friendly acid (Commarieu, A. (182–183C) 137)
- FT-IR**
IR spectroscopy of adsorbed NO as a useful tool for the characterisation of low concentrated Fe-silicalite catalysts (Berlier, G. (182–183C) 359)
- Glucoamylase**
Macrostructured carbonized ceramics as adsorbents for immobilization of glucoamylase (Kovalenko, G.A. (182–183C) 73)
- Gold catalyst**
New application of spray reaction technique to the preparation of supported gold catalysts for environmental catalysis (Uematsu, T. (182–183C) 209)
- Grafting**
Preparation of titanium molecular species supported on mesostructured silica by different grafting methods (Calleja, G. (182–183C) 215)
- Guaiacol**
A note on the role of methanol in the homogeneous and heterogeneous acid-catalyzed hydroxymethylation of guaiacol with aqueous solutions of formaldehyde (Cavani, F. (182–183C) 447)
- Halogen exchange**
Catalytic properties of cluster Grignard reagents (Tjurina, L.A. (182–183C) 395)
- Heck arylation**
Anchoring of Pd on silica functionalized with nitrogen containing chelating groups and applications in catalysis (Lagasi, M. (182–183C) 61)
- Heck reaction**
Control of Pd leaching in Heck reactions of bromoarenes catalyzed by Pd supported on activated carbon (Heidenreich, R.G. (182–183C) 499)
- Heterocycles**
Cobalt-catalyzed selective conversion of diallylanilines and arylimines to quinolines (Jacob, J. (182–183C) 565)
- Heterogeneous catalysis**
Heterogeneous catalysis on atomic scale (Ertl, G. (182–183C) 5)

- Influence of the structure and composition of magnesium phosphate catalysts on the transformation of 2-hexanol (Aramendía, M.Á. (182–183C) 25)
- Microemulsion-assisted synthesis of catalysts based on aluminium and magnesium phosphates (Aramendía, M.Á. (182–183C) 35)
- Diastereoselective epoxidation of hydroxy-containing unsaturated terpenes on heterogeneous titanium-catalyst (Guidotti, M. (182–183C) 151)
- Enantiopure beads: a tool for asymmetric heterogeneous catalysis (Hérault, D. (182–183C) 249)
- Control of Pd leaching in Heck reactions of bromoarenes catalyzed by Pd supported on activated carbon (Heidenreich, R.G. (182–183C) 499)
- Homogeneous versus heterogeneous approach to the catalytic desymmetrisation of *meso*-anhydrides promoted by cinchona alkaloids (Bigi, F. (182–183C) 533)
- Heterogeneous catalysts**
- High-speed experimentation techniques applied to the study of the synthesis of zeolites and silsesquioxanes (Pescarmona, P.P. (182–183C) 319)
- Heterogeneous Ti and Zr metallocenes**
- Polymerisation of ethylene or propylene with heterogeneous metallocene catalysts on clay minerals (Weiss, K. (182–183C) 143)
- Heterogeneous**
- Molecular design and synthesis of heterogeneous and single-site, supported catalysts (Don Tilley, T. (182–183C) 17)
- Heterogeneous-catalyzed free-radical mechanism**
- Carbon-supported iridium catalysts in the catalytic wet air oxidation of carboxylic acids: kinetics and mechanistic interpretation (Gomes, H.T. (182–183C) 47)
- Heteropolyacid**
- Heteropolyacid (HPA)-polymer composite films as catalytic materials for heterogeneous reactions (Lim, S.S. (182–183C) 175)
- Bulk redox properties of heteropolyacids determined from surface properties of nanostructured heteropolyacid monolayers (Song, I.K. (182–183C) 185)
- PdCl₂(PPh₃)₂-heteropolyacids-catalyzed regioselective hydrocarboxylation of styrene (El Ali, B. (182–183C) 195)
- Hexa-1,5-diene liquid-phase hydrogenation**
- Liquid-phase hydrogenation of hexadienes on metallic colloidal nanoparticles immobilized on supports via coordination capture by bifunctional organic molecules (Brayner, R. (182–183C) 227)
- 2-Hexanol**
- Influence of the structure and composition of magnesium phosphate catalysts on the transformation of 2-hexanol (Aramendía, M.Á. (182–183C) 25)
- High-speed experimentation techniques**
- High-speed experimentation techniques applied to the study of the synthesis of zeolites and silsesquioxanes (Pescarmona, P.P. (182–183C) 319)
- Homogeneous and supported catalysts**
- Study of the ethylene polymerization over homogeneous and supported catalysts based on 2,6-bis(imino)pyridyl complexes of Fe(II) and Co(II) (Semikolenova, N.V. (182–183C) 283)
- Homogeneous catalysis**
- A new improved catalyst for the palladium-catalyzed amination of aryl chlorides (Ehrentraut, A. (182–183C) 515)
- Homogeneous catalysts**
- High-speed experimentation techniques applied to the study of the synthesis of zeolites and silsesquioxanes (Pescarmona, P.P. (182–183C) 319)
- Honeycomb monolith**
- Macrostructured carbonized ceramics as adsorbents for immobilization of glucoamylase (Kovalenko, G.A. (182–183C) 73)
- Hydroamination**
- The role of protons in hydroamination reactions involving homogeneous and heterogeneous catalysts (Penzien, J. (182–183C) 489)
- Hydrocarboxylation**
- PdCl₂(PPh₃)₂-heteropolyacids-catalyzed regioselective hydrocarboxylation of styrene (El Ali, B. (182–183C) 195)
- Hydrodechlorination**
- Carbon tetrachloride hydrodechlorination with organometallic-based platinum and palladium catalysts on MgO (Dal Santo, V. (182–183C) 157)
- Hydroformylation**
- Phosphine-containing carbosilane dendrimers based on polyhedral silsesquioxane cores as ligands for hydroformylation reaction of oct-1-ene (Ropartz, L. (182–183C) 99)
- Xantphos-based, silica-supported, selective, and recyclable hydroformylation catalysts: a review (van Leeuwen, P.W.N.M. (182–183C) 107)
- Hydrogen peroxide**
- Epoxidation with peroxotungstic acid immobilised onto silica-grafted phosphoramides (Gelbard, G. (182–183C) 257)
- Hydrogen transfer**
- Chiral fluoros catalysts: synthesis and purposes (Pozzi, G. (182–183C) 455)
- Hydrogenation**
- Enantiopure beads: a tool for asymmetric heterogeneous catalysis (Hérault, D. (182–183C) 249)
- Surface organometallic chemistry on metals. Influence of the presence of functional groups grafted at the surface of Rh particles on the competitive hydrogenation of terminal and internal double bonds of unsaturated primary alcohols (Tena, E. (182–183C) 303)
- Regioselective hydrogenation of dienes catalyzed by palladium-aminosilane complexes grafted on MCM-41 (Shimazu, S. (182–183C) 343)
- Hydroxymethylation**
- A note on the role of methanol in the homogeneous and heterogeneous acid-catalyzed hydroxymethylation of guaiacol with aqueous solutions of formaldehyde (Cavani, F. (182–183C) 447)
- Imidazolium salts**
- Ionic liquids: perspectives for organic and catalytic reactions (Olivier-Bourbigou, H. (182–183C) 419)

Immobilization

Xantphos-based, silica-supported, selective, and recyclable hydroformylation catalysts: a review (van Leeuwen, P.W.N.M. (182–183C) 107)

Liquid-phase hydrogenation of hexadienes on metallic colloidal nanoparticles immobilized on supports via coordination capture by bifunctional organic molecules (Brayner, R. (182–183C) 227)

Silica immobilised palladium phosphine complexes as recyclable, regioselective catalysts for the allylic alkylation (Sandee, A.J. (182–183C) 309)

Incipient wetness impregnation

Carbon-supported iridium catalysts in the catalytic wet air oxidation of carboxylic acids: kinetics and mechanistic interpretation (Gomes, H.T. (182–183C) 47)

Ion-exchangers

Dehydration of 1-pentanol to di-*n*-pentyl ether over ion-exchange resin catalysts (Tejero, J. (182–183C) 541)

Ionic liquids

Ionic liquids: perspectives for organic and catalytic reactions (Olivier-Bourbigou, H. (182–183C) 419)

Iron phthalocyanine

Selective oxidation of aromatic compounds with dioxygen and peroxides catalyzed by phthalocyanine supported catalysts (Sorokin, A.B. (182–183C) 267)

Isobutene

Heteropolyacid (HPA)-polymer composite films as catalytic materials for heterogeneous reactions (Lim, S.S. (182–183C) 175)

Isomerization

Effect of heterogeneous and homogeneous pathways on selectivity of pinane-2-ol to linalool isomerization (Semikolenov, V.A. (182–183C) 383)

Isopropyl alcohol

Microemulsion-assisted synthesis of catalysts based on aluminium and magnesium phosphates (Aramendía, M.Á. (182–183C) 35)

Kinetic modelling

Esterification of different acids over heterogeneous and homogeneous catalysts and correlation with the Taft equation (Lilja, J. (182–183C) 555)

Kinetics

Effect of heterogeneous and homogeneous pathways on selectivity of pinane-2-ol to linalool isomerization (Semikolenov, V.A. (182–183C) 383)

Knoevenagel condensation

Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)

Lanthanide

Homogeneous and heterogeneous alkyl-alkoxo-lanthanide type catalysts for polymerization and block-copolymerization of ethylene and methyl methacrylate (Gromada, J. (182–183C) 525)

Leaching

Control of Pd leaching in Heck reactions of bromoarenes catalyzed by Pd supported on activated carbon (Heidenreich, R.G. (182–183C) 499)

Lewis base catalysts

Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)

Linalool

Effect of heterogeneous and homogeneous pathways on selectivity of pinane-2-ol to linalool isomerization (Semikolenov, V.A. (182–183C) 383)

Magnesium phosphates

Influence of the structure and composition of magnesium phosphate catalysts on the transformation of 2-hexanol (Aramendía, M.Á. (182–183C) 25)

Microemulsion-assisted synthesis of catalysts based on aluminium and magnesium phosphates (Aramendía, M.Á. (182–183C) 35)

Magnesium

Catalytic properties of cluster Grignard reagents (Tjulina, L.A. (182–183C) 395)

MCM-41 functionalized

Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)

MCM-41

Regioselective hydrogenation of dienes catalyzed by palladium–aminosilane complexes grafted on MCM-41 (Shimazu, S. (182–183C) 343)

Mechanism

Effect of heterogeneous and homogeneous pathways on selectivity of pinane-2-ol to linalool isomerization (Semikolenov, V.A. (182–183C) 383)

Meso-anhydrides

Homogeneous versus heterogeneous approach to the catalytic desymmetrisation of *meso*-anhydrides promoted by cinchona alkaloids (Bigi, F. (182–183C) 533)

Mesoporous silica

New catalysts for clean technology (Johnson, B.F.G. (182–183C) 89)

Mesoporous

Preparation of titanium molecular species supported on mesostructured silica by different grafting methods (Calleja, G. (182–183C) 215)

Metal cluster

New catalysts for clean technology (Johnson, B.F.G. (182–183C) 89)

Methand to defins

“Coke” molecules trapped in the micropores of zeolites as active species in hydrocarbon transformations (Guisnet, M. (182–183C) 367)

Methane sulfonic acid

Fries rearrangement in methane sulfonic acid, an environmental friendly acid (Commarieu, A. (182–183C) 137)

Methyl benzoate

Anchoring of Pd on silica functionalized with nitrogen containing chelating groups and applications in catalysis (Lagasi, M. (182–183C) 61)

- Methylaluminoxane**
Study of the ethylene polymerization over homogeneous and supported catalysts based on 2,6-bis(imino)pyridyl complexes of Fe(II) and Co(II) (Semikolenova, N.V. (182–183C) 283)
- MgO**
Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)
- Michael addition**
Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)
- Microemulsions**
Microemulsion-assisted synthesis of catalysts based on aluminium and magnesium phosphates (Aramendía, M.Á. (182–183C) 35)
- Mixed oxide**
Non-hydrolytic sol–gel routes based on alkyl halide elimination: toward better mixed oxide catalysts and new supports. Application to the preparation of a SiO₂–TiO₂ epoxidation catalyst (Lafond, V. (182–183C) 81)
- Molecular imprinting**
Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques (Suzuki, A. (182–183C) 125)
- Molecular precursor**
Molecular design and synthesis of heterogeneous and single-site, supported catalysts (Don Tilley, T. (182–183C) 17)
- Molybdenum**
Molybdenum-based epoxidation catalysts heterogenized in silica matrixes via the sol–gel method (Teixeira, S. (182–183C) 167)
- Montmorillonite structure**
Polymerisation of ethylene or propylene with heterogeneous metallocene catalysts on clay minerals (Weiss, K. (182–183C) 143)
- MVS synthesis**
Catalytic properties of cluster Grignard reagents (Tjurina, L.A. (182–183C) 395)
- Nafion**
Dehydration of 1-pentanol to di-*n*-pentyl ether over ion-exchange resin catalysts (Tejero, J. (182–183C) 541)
- Nanoparticles**
New catalysts for clean technology (Johnson, B.F.G. (182–183C) 89)
- NaOH**
Sulfonated poly(styrene-co-divinylbenzene) ion-exchange resins: acidities and catalytic activities in aqueous reactions (Hart, M. (182–183C) 439)
- Nb₂O₅**
Liquid-phase hydrogenation of hexadienes on metallic colloidal nanoparticles immobilized on supports via coordination capture by bifunctional organic molecules (Brayner, R. (182–183C) 227)
- Negative differential resistance**
Bulk redox properties of heteropolyacids determined from surface properties of nanostructured heteropolyacid monolayers (Song, I.K. (182–183C) 185)
- Niobium**
Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques (Suzuki, A. (182–183C) 125)
- Nitrene donors**
Heterogeneous aziridination of styrene using [*N*-(*p*-nitrophenyl-sulfonyl)imino]phenyliodinane as nitrene donor: influence of the reaction parameters on yield and enantioselectivity (Gullick, J. (182–183C) 571)
- Nitrosylic complexes**
IR spectroscopy of adsorbed NO as a useful tool for the characterisation of low concentrated Fe-silicalite catalysts (Berlier, G. (182–183C) 359)
- NMR spectroscopy of intermediates**
Study of the ethylene polymerization over homogeneous and supported catalysts based on 2,6-bis(imino)pyridyl complexes of Fe(II) and Co(II) (Semikolenova, N.V. (182–183C) 283)
- NO–CO reaction**
New application of spray reaction technique to the preparation of supported gold catalysts for environmental catalysis (Uematsu, T. (182–183C) 209)
- Non-hydrolytic condensation**
Non-hydrolytic sol–gel routes based on alkyl halide elimination: toward better mixed oxide catalysts and new supports. Application to the preparation of a SiO₂–TiO₂ epoxidation catalyst (Lafond, V. (182–183C) 81)
- Olefin hydration**
Sulfonated poly(styrene-co-divinylbenzene) ion-exchange resins: acidities and catalytic activities in aqueous reactions (Hart, M. (182–183C) 439)
- Olefin polymerization**
Zirconium(IV) benzyl complexes that contain chelating diamido ligands: synthesis, fluxionality and ethylene polymerization activity (Gauvin, R.M. (182–183C) 411)
- Olefinic C–H/acetylene coupling**
Ruthenium-catalyzed addition of olefinic C–H bonds in conjugate enones to acetylenes to give conjugate dienones (Kakiuchi, F. (182–183C) 511)
- Olefins**
Carbon dioxide as building block for the synthesis of organic carbonates. Behavior of homogeneous and heterogeneous catalysts in the oxidative carboxylation of olefins (Aresta, M. (182–183C) 399)
- Organic carbonates**
Carbon dioxide as building block for the synthesis of organic carbonates. Behavior of homogeneous and heterogeneous catalysts in the oxidative carboxylation of olefins (Aresta, M. (182–183C) 399)
- Organometallic chemical vapor deposition**
Carbon-supported iridium catalysts in the catalytic wet air oxidation of carboxylic acids: kinetics and mechanistic interpretation (Gomes, H.T. (182–183C) 47)

Oxidative carboxylation

Carbon dioxide as building block for the synthesis of organic carbonates. Behavior of homogeneous and heterogeneous catalysts in the oxidative carboxylation of olefins (Aresta, M. (182–183C) 399)

 μ -Oxo dimer

Selective oxidation of aromatic compounds with dioxygen and peroxides catalyzed by phthalocyanine supported catalysts (Sorokin, A.B. (182–183C) 267)

Palladium

Carbon tetrachloride hydrodechlorination with organometallics-based platinum and palladium catalysts on MgO (Dal Santo, V. (182–183C) 157)

PdCl₂(PPh₃)₂-heteropolyacids-catalyzed regioselective hydrocarboxylation of styrene (El Ali, B. (182–183C) 195)

Liquid-phase hydrogenation of hexadienes on metallic colloidal nanoparticles immobilized on supports via coordination capture by bifunctional organic molecules (Brayner, R. (182–183C) 227)

Silica immobilised palladium phosphine complexes as recyclable, regioselective catalysts for the allylic alkylation (Sandee, A.J. (182–183C) 309)

Chiral fluoros catalysts: synthesis and purposes (Pozzi, G. (182–183C) 455)

Efficiency of a tetraphosphine ligand in palladium catalysed allylic amination (Feuerstein, M. (182–183C) 471)

A new improved catalyst for the palladium-catalyzed amination of aryl chlorides (Ehrentraut, A. (182–183C) 515)

Palladium(II) complex

Regioselective hydrogenation of dienes catalyzed by palladium-aminosilane complexes grafted on MCM-41 (Shimazu, S. (182–183C) 343)

Paracetamol

Fries rearrangement in methane sulfonic acid, an environmental friendly acid (Commarieu, A. (182–183C) 137)

para-Hydroxyacetophenone

Fries rearrangement in methane sulfonic acid, an environmental friendly acid (Commarieu, A. (182–183C) 137)

Pd particle size

Sol-derived Pd/SiO₂ catalyst: characterization and activity in benzene hydrogenation (Horváth, A. (182–183C) 295)

Pd sol

Sol-derived Pd/SiO₂ catalyst: characterization and activity in benzene hydrogenation (Horváth, A. (182–183C) 295)

Pd/C

Control of Pd leaching in Heck reactions of bromoarenes catalyzed by Pd supported on activated carbon (Heidenreich, R.G. (182–183C) 499)

PDDA polycation

Sol-derived Pd/SiO₂ catalyst: characterization and activity in benzene hydrogenation (Horváth, A. (182–183C) 295)

1-Pentanol

Dehydration of 1-pentanol to di-*n*-pentyl ether over ion-exchange resin catalysts (Tejero, J. (182–183C) 541)

Peroxotungstic

Epoxidation with peroxotungstic acid immobilised onto silica-grafted phosphoramides (Gelbard, G. (182–183C) 257)

Phosphine

Phosphine-containing carbosilane dendrimers based on polyhedral silsesquioxane cores as ligands for hydroformylation reaction of oct-1-ene (Ropartz, L. (182–183C) 99)

Efficiency of a tetraphosphine ligand in palladium catalysed allylic amination (Feuerstein, M. (182–183C) 471)

Phosphoramidate

Epoxidation with peroxotungstic acid immobilised onto silica-grafted phosphoramides (Gelbard, G. (182–183C) 257)

Pinane-2-ol

Effect of heterogeneous and homogeneous pathways on selectivity of pinane-2-ol to linalool isomerization (Semikolenov, V.A. (182–183C) 383)

Platinum, heterogeneous catalysis

Carbon tetrachloride hydrodechlorination with organometallics-based platinum and palladium catalysts on MgO (Dal Santo, V. (182–183C) 157)

Polymerization

Homogeneous and heterogeneous alkyl-alkoxo-lanthanide type catalysts for polymerization and block-copolymerization of ethylene and methyl methacrylate (Gromada, J. (182–183C) 525)

Preparation of new ruthenium-allenylidene catalysts and their use in polymerisation of cyclic olefins (Alaoui Abdallaoui, I. (182–183C) 577)

Primary alcohols

Surface organometallic chemistry on metals. Influence of the presence of functional groups grafted at the surface of Rh particles on the competitive hydrogenation of terminal and internal double bonds of unsaturated primary alcohols (Tena, E. (182–183C) 303)

Quaternary ammonium salt

Biaryl synthesis via Suzuki coupling promoted by catalytic amounts of quaternary ammonium salts (Castanet, A.-S. (182–183C) 481)

Quinolines

Cobalt-catalyzed selective conversion of diallylanilines and arylimines to quinolines (Jacob, J. (182–183C) 565)

Quinones

Selective oxidation of aromatic compounds with dioxygen and peroxides catalyzed by phthalocyanine supported catalysts (Sorokin, A.B. (182–183C) 267)

Recycling

Silica immobilised palladium phosphine complexes as recyclable, regioselective catalysts for the allylic alkylation (Sandee, A.J. (182–183C) 309)

Reduction potential

Bulk redox properties of heteropolyacids determined from surface properties of nanostructured heteropolyacid monolayers (Song, I.K. (182–183C) 185)

Regioselective

Regioselective hydrogenation of dienes catalyzed by palladium-aminosilane complexes grafted on MCM-41 (Shimazu, S. (182–183C) 343)

Rehydrated hydrotalcite

Designing the adequate base solid catalyst with Lewis or Bronsted basic sites or with acid–base pairs (Climent, M.J. (182–183C) 327)

Rhodium

Phosphine-containing carbosilane dendrimers based on polyhedral silsesquioxane cores as ligands for hydroformylation reaction of oct-1-ene (Ropartz, L. (182–183C) 99)

Xantphos-based, silica-supported, selective, and recyclable hydroformylation catalysts: a review (van Leeuwen, P.W.N.M. (182–183C) 107)

Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques (Suzuki, A. (182–183C) 125)

Surface organometallic chemistry on metals. Influence of the presence of functional groups grafted at the surface of Rh particles on the competitive hydrogenation of terminal and internal double bonds of unsaturated primary alcohols (Tena, E. (182–183C) 303)

Towards a structure–activity relationship for oxide supported metals (Evans, J. (182–183C) 351)

ROMP

Preparation of new ruthenium–allenyldiene catalysts and their use in polymerisation of cyclic olefins (Alaoui Abdallaoui, I. (182–183C) 577)

Ruthenium

Liquid-phase hydrogenation of hexadienes on metallic colloidal nanoparticles immobilized on supports via coordination capture by bifunctional organic molecules (Brayner, R. (182–183C) 227)

Enantiopure beads: a tool for asymmetric heterogeneous catalysis (Hérault, D. (182–183C) 249)

Ruthenium catalyst

Ruthenium-catalyzed addition of olefinic C–H bonds in conjugate enones to acetylenes to give conjugate dienones (Kakiuchi, F. (182–183C) 511)

Preparation of new ruthenium–allenyldiene catalysts and their use in polymerisation of cyclic olefins (Alaoui Abdallaoui, I. (182–183C) 577)

SBA-15

Preparation of titanium molecular species supported on mesostructured silica by different grafting methods (Calleja, G. (182–183C) 215)

Scanning tunneling microscopy

Heterogeneous catalysis on atomic scale (Ertl, G. (182–183C) 5)

Bulk redox properties of heteropolyacids determined from surface properties of nanostructured heteropolyacid monolayers (Song, I.K. (182–183C) 185)

Schiff bases

Anchoring of Pd on silica functionalized with nitrogen containing chelating groups and applications in catalysis (Lagasi, M. (182–183C) 61)

Chiral fluoros catalysts: synthesis and purposes (Pozzi, G. (182–183C) 455)

Selective oxidation

Molecular design and synthesis of heterogeneous and single-site, supported catalysts (Don Tilley, T. (182–183C) 17)

Silica-anchored palladium

Anchoring of Pd on silica functionalized with nitrogen containing chelating groups and applications in catalysis (Lagasi, M. (182–183C) 61)

Silica-grafted

Epoxidation with peroxotungstic acid immobilised onto silica-grafted phosphoramides (Gelbard, G. (182–183C) 257)

Silsesquioxane

Phosphine-containing carbosilane dendrimers based on polyhedral silsesquioxane cores as ligands for hydroformylation reaction of oct-1-ene (Ropartz, L. (182–183C) 99)

High-speed experimentation techniques applied to the study of the synthesis of zeolites and silsesquioxanes (Pescarmona, P.P. (182–183C) 319)

Single-site

Molecular design and synthesis of heterogeneous and single-site, supported catalysts (Don Tilley, T. (182–183C) 17)

SiO₂–TiO₂

Non-hydrolytic sol–gel routes based on alkyl halide elimination: toward better mixed oxide catalysts and new supports. Application to the preparation of a SiO₂–TiO₂ epoxidation catalyst (Lafond, V. (182–183C) 81)

Sodium–magnesium phosphates

Influence of the structure and composition of magnesium phosphate catalysts on the transformation of 2-hexanol (Aramendía, M.Á. (182–183C) 25)

Sol–gel process

Molybdenum-based epoxidation catalysts heterogenized in silica matrixes via the sol–gel method (Teixeira, S. (182–183C) 167)

Sol–gel

Non-hydrolytic sol–gel routes based on alkyl halide elimination: toward better mixed oxide catalysts and new supports. Application to the preparation of a SiO₂–TiO₂ epoxidation catalyst (Lafond, V. (182–183C) 81)

Xantphos-based, silica-supported, selective, and recyclable hydroformylation catalysts: a review (van Leeuwen, P.W.N.M. (182–183C) 107)

Spray reaction

New application of spray reaction technique to the preparation of supported gold catalysts for environmental catalysis (Uematsu, T. (182–183C) 209)

Stirring rate

Biaryl synthesis via Suzuki coupling promoted by catalytic amounts of quaternary ammonium salts (Castanet, A.-S. (182–183C) 481)

Styrene aziridination

Heterogeneous aziridination of styrene using [*N*-(*p*-nitrophenyl)sulfonyl]imino]phenyliodine as nitrene donor: influence of the reaction parameters on yield and enantioselectivity (Gullick, J. (182–183C) 571)

Styrene

PdCl₂(PPh₃)₂–heteropolyacids-catalyzed regioselective hydrocarboxylation of styrene (El Ali, B. (182–183C) 195)

- Sulfonated polystyrene ion-exchange resins
Sulfonated poly(styrene-co-divinylbenzene) ion-exchange resins: acidities and catalytic activities in aqueous reactions (Hart, M. (182–183C) 439)
- Supercritical carbon dioxide
Homogeneous hydrogenation in supercritical fluids mediated by colloidal catalysts (Niessen, H.G. (182–183C) 463)
- Supported catalyst
Selective oxidation of aromatic compounds with dioxygen and peroxides catalyzed by phthalocyanine supported catalysts (Sorokin, A.B. (182–183C) 267)
- Supported metal complexes
Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques (Suzuki, A. (182–183C) 125)
- Suzuki reaction
Biaryl synthesis via Suzuki coupling promoted by catalytic amounts of quaternary ammonium salts (Castanet, A.-S. (182–183C) 481)
- Taft equation
Esterification of different acids over heterogeneous and homogeneous catalysts and correlation with the Taft equation (Lilja, J. (182–183C) 555)
- Terpenes
Diastereoselective epoxidation of hydroxy-containing unsaturated terpenes on heterogeneous titanium-catalyst (Guidotti, M. (182–183C) 151)
- Tert*-butyl alcohol
Heteropolyacid (HPA)-polymer composite films as catalytic materials for heterogeneous reactions (Lim, S.S. (182–183C) 175)
- Titania
Towards a structure–activity relationship for oxide supported metals (Evans, J. (182–183C) 351)
- Titanium
Diastereoselective epoxidation of hydroxy-containing unsaturated terpenes on heterogeneous titanium-catalyst (Guidotti, M. (182–183C) 151)
Preparation of titanium molecular species supported on mesostructured silica by different grafting methods (Calleja, G. (182–183C) 215)
- Titration microcalorimetry
Sulfonated poly(styrene-co-divinylbenzene) ion-exchange resins: acidities and catalytic activities in aqueous reactions (Hart, M. (182–183C) 439)
- Toroid cavity autoclave
Homogeneous hydrogenation in supercritical fluids mediated by colloidal catalysts (Niessen, H.G. (182–183C) 463)
- Trialkylaluminiums
Study of the ethylene polymerization over homogeneous and supported catalysts based on 2,6-bis(imino)pyridyl complexes of Fe(II) and Co(II) (Semikolenova, N.V. (182–183C) 283)
- Turnover frequency
Homogeneous hydrogenation in supercritical fluids mediated by colloidal catalysts (Niessen, H.G. (182–183C) 463)
- Two phase system
Biaryl synthesis via Suzuki coupling promoted by catalytic amounts of quaternary ammonium salts (Castanet, A.-S. (182–183C) 481)
- Vanillic alcohols
A note on the role of methanol in the homogeneous and heterogeneous acid-catalyzed hydroxymethylation of guaiacol with aqueous solutions of formaldehyde (Cavani, F. (182–183C) 447)
- Weakly coordinating anions
Ionic liquids: perspectives for organic and catalytic reactions (Olivier-Bourbigou, H. (182–183C) 419)
- X-ray absorption spectroscopy
Towards a structure–activity relationship for oxide supported metals (Evans, J. (182–183C) 351)
- Xantphos
Xantphos-based, silica-supported, selective, and recyclable hydroformylation catalysts: a review (van Leeuwen, P.W.N.M. (182–183C) 107)
- Zeolite catalysts
“Coke” molecules trapped in the micropores of zeolites as active species in hydrocarbon transformations (Guisnet, M. (182–183C) 367)
- Zeolites
High-speed experimentation techniques applied to the study of the synthesis of zeolites and silsesquioxanes (Pescarmona, P.P. (182–183C) 319)
- Zirconium
Zirconium(IV) benzyl complexes that contain chelating diamido ligands: synthesis, fluxionality and ethylene polymerization activity (Gauvin, R.M. (182–183C) 411)