

## Subject index

### Acidity

Temperature-programmed reduction and acidic properties of molybdenum supported on MgO–Al<sub>2</sub>O<sub>3</sub> and their correlation with catalytic activity (Kumar, M. (213) 217)

### Activated carbon

Rhodium-diphosphine complex bound to activated carbon. An effective catalyst for the hydroformylation of 1-octene (Carmen Román-Martínez, M. (213) 177)

### ADMET

Bio-olefins via condensation metathesis chemistry (Hopkins, T.E. (213) 93)

### Alkane hydrogenolysis

Heterogeneous well-defined catalysts for metathesis of inert and not so inert bonds (Thieuleux, C. (213) 47)

### Alkane metathesis

Heterogeneous well-defined catalysts for metathesis of inert and not so inert bonds (Thieuleux, C. (213) 47)

### Alkene metathesis

Allenylidene–ruthenium complexes as versatile precatalysts for alkene metathesis reactions (Castarlenas, R. (213) 31)

### Alkylaluminum

Olefin polymerization behavior of bis(phenoxy-imine) Zr, Ti, and V complexes with MgCl<sub>2</sub>-based cocatalysts (Nakayama, Y. (213) 141)

### Alkyne dimerization

Organolanthanide catalyzed regio- and stereoselective dimerization of terminal alkynes and polymerization of aromatic diynes (Nishiura, M. (213) 101)

### Alkynes

Aminocarbonylation of phenylacetylene catalysed by palladium acetate in combination with (2-pyridyl)diphenylphosphine and methanesulfonic acid (Matteoli, U. (213) 183)

### Alkynide complex

Organolanthanide catalyzed regio- and stereoselective dimerization of terminal alkynes and polymerization of aromatic diynes (Nishiura, M. (213) 101)

### Allenylidene

Allenylidene–ruthenium complexes as versatile precatalysts for alkene metathesis reactions (Castarlenas, R. (213) 31)

### Al-pillared clay

Preparation and properties of Al-PILC supported SO<sub>4</sub><sup>2-</sup>/TiO<sub>2</sub> superacid catalyst (Jiang, Y.-X. (213) 231)

### Alumina

Novel hydrodesulfurization catalysts derived from a supported rhodium carbonyl complex. -Effect of the support on the catalytic activity and the sulfur behavior (Lee, J. (213) 207)

### Amides

Aminocarbonylation of phenylacetylene catalysed by palladium acetate in combination with (2-pyridyl)diphenylphosphine and methanesulfonic acid (Matteoli, U. (213) 183)

### Aminated MCM-41

Catalytic studies of aminated MCM-41-tethered rhodium complexes for hydroformylation of 1-octene and styrene (Huang, L. (213) 241)

### Amino acids

Bio-olefins via condensation metathesis chemistry (Hopkins, T.E. (213) 93)

### Aminocarbonylation

Aminocarbonylation of phenylacetylene catalysed by palladium acetate in combination with (2-pyridyl)diphenylphosphine and methanesulfonic acid (Matteoli, U. (213) 183)

### Aniline

Selective *N,N*-dimethylation of primary aromatic amines with dimethyl carbonate in the presence of diphenylammonium triflate (Shen, Z.L. (213) 193)

### Aromatic amines

Selective *N,N*-dimethylation of primary aromatic amines with dimethyl carbonate in the presence of diphenylammonium triflate (Shen, Z.L. (213) 193)

### Au/TiO<sub>2</sub>

Activity and deactivation of Au/TiO<sub>2</sub> catalyst in CO oxidation (Konova, P. (213) 235)

### Benzoylation of toluene

Benzoylation of toluene with *p*-toluoyl chloride over triflic acid functionalized mesoporous Zr-TMS catalyst (Lange, S.M. (213) 257)

### BET

The effect of secondary metal on Mo<sub>2</sub>C/Al<sub>2</sub>O<sub>3</sub> catalyst for the partial oxidation of methane to syngas (Zhu, Q. (213) 199)

### Biologically functionalized surfaces

Bio-olefins via condensation metathesis chemistry (Hopkins, T.E. (213) 93)

### Carbide catalyst

The effect of secondary metal on Mo<sub>2</sub>C/Al<sub>2</sub>O<sub>3</sub> catalyst for the partial oxidation of methane to syngas (Zhu, Q. (213) 199)

### Carbonylation

Aminocarbonylation of phenylacetylene catalysed by palladium acetate in combination with (2-pyridyl)diphenylphosphine and methanesulfonic acid (Matteoli, U. (213) 183)

### Catalysis

Allenylidene–ruthenium complexes as versatile precatalysts for alkene metathesis reactions (Castarlenas, R. (213) 31)

Monocyclopentadienyl titanium catalysts: ethene polymerisation versus ethene trimerisation (Hessen, B. (213) 129)

Olefin polymerization behavior of bis(phenoxy-imine) Zr, Ti, and V complexes with MgCl<sub>2</sub>-based cocatalysts (Nakayama, Y. (213) 141)

Oxidation of cyclohexene by dendritic PAMAMSA-Mn(II) complexes (Yang, Z.-w. (213) 169)

### Catalyst

Preparation and properties of Al-PILC supported SO<sub>4</sub><sup>2-</sup>/TiO<sub>2</sub> superacid catalyst (Jiang, Y.-X. (213) 231)

### Catalytic activity

Temperature-programmed reduction and acidic properties of molybdenum supported on MgO–Al<sub>2</sub>O<sub>3</sub> and their correlation with catalytic activity (Kumar, M. (213) 217)

### Characterization

Preparation and properties of Al-PILC supported SO<sub>4</sub><sup>2-</sup>/TiO<sub>2</sub> superacid catalyst (Jiang, Y.-X. (213) 231)

### Chlorofluorocarbon compounds

Homogeneous catalytic hydrodechlorination of CFC and HCFC compounds (Sisak, A. (213) 163)

- CO oxidation  
Activity and deactivation of Au/TiO<sub>2</sub> catalyst in CO oxidation (Konova, P. (213) 235)
- Cocatalyst  
Olefin polymerization behavior of bis(phenoxy-imine) Zr, Ti, and V complexes with MgCl<sub>2</sub>-based cocatalysts (Nakayama, Y. (213) 141)
- Complexes  
Oxidation of cyclohexene by dendritic PAMAMSA-Mn(II) complexes (Yang, Z.-w. (213) 169)
- Conducting polymers  
Regio- and stereospecific cyclopolymerization of 1,6-heptadiynes (Anders, U. (213) 89)
- Conjugated polymers  
Poly(1,6-heptadiyne)-based functional materials by metathesis polymerization (Gal, Y.S. (213) 115)
- Copolymerisation  
Approaches to highly polar polymers with low glass transition temperatures. 2. Fluorinated polymers via ring-opening metathesis copolymerisation and hydrogenation (James Feast, W. (213) 9)
- Covalent bond  
Rhodium-diphosphine complex bound to activated carbon. An effective catalyst for the hydroformylation of 1-octene (Carmen Román-Martínez, M. (213) 177)
- Cross-metathesis  
Ruthenium-catalyzed ROM, RCM and CM of enyne (Mori, M. (213) 73)
- Cyclohexene  
Oxidation of cyclohexene by dendritic PAMAMSA-Mn(II) complexes (Yang, Z.-w. (213) 169)
- Cyclo-olefin polymer  
Industrialization and application development of cyclo-olefin polymer (Yamazaki, M. (213) 81)
- Cyclopolymerization  
Poly(1,6-heptadiyne)-based functional materials by metathesis polymerization (Gal, Y.S. (213) 115)  
Regio- and stereospecific cyclopolymerization of 1,6-heptadiynes (Anders, U. (213) 89)
- Deactivation  
Activity and deactivation of Au/TiO<sub>2</sub> catalyst in CO oxidation (Konova, P. (213) 235)
- Dendrimer  
Oxidation of cyclohexene by dendritic PAMAMSA-Mn(II) complexes (Yang, Z.-w. (213) 169)
- Depolymerisation  
Heterogeneous well-defined catalysts for metathesis of inert and not so inert bonds (Thieuleux, C. (213) 47)
- Dibenzothiophene  
Novel hydrodesulfurization catalysts derived from a supported rhodium carbonyl complex. -Effect of the support on the catalytic activity and the sulfur behavior (Lee, J. (213) 207)
- Dimethyl carbonate  
Selective *N,N*-dimethylation of primary aromatic amines with dimethyl carbonate in the presence of diphenylammonium triflate (Shen, Z.L. (213) 193)
- N,N*-Dimethylation  
Selective *N,N*-dimethylation of primary aromatic amines with dimethyl carbonate in the presence of diphenylammonium triflate (Shen, Z.L. (213) 193)
- 4,4'-Dimethylbenzophenone  
Benzylation of toluene with *p*-toluoyl chloride over triflic acid functionalized mesoporous Zr-TMS catalyst (Landge, S.M. (213) 257)
- Diphenylammonium triflate  
Selective *N,N*-dimethylation of primary aromatic amines with dimethyl carbonate in the presence of diphenylammonium triflate (Shen, Z.L. (213) 193)
- Diyne polymerization  
Organolanthanide catalyzed regio- and stereoselective dimerization of terminal alkynes and polymerization of aromatic diynes (Nishiura, M. (213) 101)
- $\pi$ -Electrocyclization  
W(CO)<sub>5</sub>(L)-promoted cyclization of 1-iodo-1-alkynes via iodovinylidene tungsten complexes (Miura, T. (213) 59)
- Endo-selective cyclization  
W(CO)<sub>5</sub>(L)-promoted cyclization of 1-iodo-1-alkynes via iodovinylidene tungsten complexes (Miura, T. (213) 59)
- Enyne metathesis  
Ruthenium-catalyzed ROM, RCM and CM of enyne (Mori, M. (213) 73)
- Ethene  
Monocyclopentadienyl titanium catalysts: ethene polymerisation versus ethene trimerisation (Hessen, B. (213) 129)
- EXAFS  
Chemical promotional effect of gold added to palladium supported on cerium oxide in catalytic methanol decomposition (Kapoor, M.P. (213) 251)
- FI catalysts  
Olefin polymerization behavior of bis(phenoxy-imine) Zr, Ti, and V complexes with MgCl<sub>2</sub>-based cocatalysts (Nakayama, Y. (213) 141)
- Fluoropolymers  
Approaches to highly polar polymers with low glass transition temperatures. 2. Fluorinated polymers via ring-opening metathesis copolymerisation and hydrogenation (James Feast, W. (213) 9)
- Functional monomers  
Influence of functional groups on ring opening metathesis polymerisation and polymer properties (Slugovc, C. (213) 107)
- f*-Zr-TMS  
Benzylation of toluene with *p*-toluoyl chloride over triflic acid functionalized mesoporous Zr-TMS catalyst (Landge, S.M. (213) 257)
- Glass transition temperature  
Approaches to highly polar polymers with low glass transition temperatures. 2. Fluorinated polymers via ring-opening metathesis copolymerisation and hydrogenation (James Feast, W. (213) 9)
- Gold supported oxide catalyst  
Activity and deactivation of Au/TiO<sub>2</sub> catalyst in CO oxidation (Konova, P. (213) 235)
- Grubbs-type ruthenium catalyst  
Synthesis of higher, *trans* configured oligomers of diisoalkyloxysubstituted divinylbenzenes (PV-oligomers) via metathesis telomerization of the corresponding lower oligomers (Thorn-Csányi, E. (213) 123)
- Heck  
Iminopyridyl-palladium dendritic catalyst precursors: evaluation in Heck reactions (Smith, G.S. (213) 187)
- Heterogeneous catalysis  
Homogeneous catalytic hydrodechlorination of CFC and HCFC compounds (Sisak, A. (213) 163)
- Homogeneous catalysis  
Homogeneous catalytic hydrodechlorination of CFC and HCFC compounds (Sisak, A. (213) 163)
- Hydrodechlorination  
Homogeneous catalytic hydrodechlorination of CFC and HCFC compounds (Sisak, A. (213) 163)
- Hydrodesulfurization  
Novel hydrodesulfurization catalysts derived from a supported rhodium carbonyl complex. -Effect of the support on the catalytic activity and the sulfur behavior (Lee, J. (213) 207)
- Hydroformylation  
Catalytic studies of aminated MCM-41-tethered rhodium complexes for hydroformylation of 1-octene and styrene (Huang, L. (213) 241)

- Rhodium-diphosphine complex bound to activated carbon. An effective catalyst for the hydroformylation of 1-octene (Carmen Román-Martínez, M. (213) 177)
- Hydrogenation
- Approaches to highly polar polymers with low glass transition temperatures. 2. Fluorinated polymers via ring-opening metathesis copolymerisation and hydrogenation (James Feast, W. (213) 9)
- Industrialization and application development of cyclo-olefin polymer (Yamazaki, M. (213) 81)
- Immobilization
- Rhodium-diphosphine complex bound to activated carbon. An effective catalyst for the hydroformylation of 1-octene (Carmen Román-Martínez, M. (213) 177)
- Intermediates
- Phenol destruction by photocatalysis on TiO<sub>2</sub>: an attempt to solve the reaction mechanism (Sobczyński, A. (213) 225)
- 1-Iodo-1-alkynes
- W(CO)<sub>5</sub>(L)-promoted cyclization of 1-iodo-1-alkynes via iodovinylidene tungsten complexes (Miura, T. (213) 59)
- Iodovinylidene tungsten complex
- W(CO)<sub>5</sub>(L)-promoted cyclization of 1-iodo-1-alkynes via iodovinylidene tungsten complexes (Miura, T. (213) 59)
- Kinetics
- Phenol destruction by photocatalysis on TiO<sub>2</sub>: an attempt to solve the reaction mechanism (Sobczyński, A. (213) 225)
- Lanthanide complex
- Organolanthanide catalyzed regio- and stereoselective dimerization of terminal alkynes and polymerization of aromatic diynes (Nishiura, M. (213) 101)
- Long-term stability
- Activity and deactivation of Au/TiO<sub>2</sub> catalyst in CO oxidation (Konova, P. (213) 235)
- Magnesium dichloride
- Olefin polymerization behavior of bis(phenoxy-imine) Zr, Ti, and V complexes with MgCl<sub>2</sub>-based cocatalysts (Nakayama, Y. (213) 141)
- Mechanism
- Phenol destruction by photocatalysis on TiO<sub>2</sub>: an attempt to solve the reaction mechanism (Sobczyński, A. (213) 225)
- Metallocene
- Tailoring polyolefins by metallocene catalysis: kinetic and mechanistic aspects (Kaminsky, W. (213) 15)
- Metallodendrimer
- Iminopyridyl-palladium dendritic catalyst precursors: evaluation in Heck reactions (Smith, G.S. (213) 187)
- Metathesis
- Bio-olefins via condensation metathesis chemistry (Hopkins, T.E. (213) 93)
- Industrial applications of olefin metathesis (Mol, J.C. (213) 39)
- The metathesis of polyunsaturated fatty esters using the homogeneous W(O-2,6-C<sub>6</sub>H<sub>3</sub>X<sub>2</sub>)<sub>2</sub>Cl<sub>4</sub>/Me<sub>4</sub>Sn catalytic systems (Marvey, B.B. (213) 151)
- Metathesis catalyst
- Poly(1,6-heptadiyne)-based functional materials by metathesis polymerization (Gal, Y.S. (213) 115)
- Methanol decomposition
- Chemical promotional effect of gold added to palladium supported on cerium oxide in catalytic methanol decomposition (Kapoor, M.P. (213) 251)
- Methyl linoleate
- The metathesis of polyunsaturated fatty esters using the homogeneous W(O-2,6-C<sub>6</sub>H<sub>3</sub>X<sub>2</sub>)<sub>2</sub>Cl<sub>4</sub>/Me<sub>4</sub>Sn catalytic systems (Marvey, B.B. (213) 151)
- Methylaluminoxane
- Tailoring polyolefins by metallocene catalysis: kinetic and mechanistic aspects (Kaminsky, W. (213) 15)
- Mixed oxides
- Temperature-programmed reduction and acidic properties of molybdenum supported on MgO-Al<sub>2</sub>O<sub>3</sub> and their correlation with catalytic activity (Kumar, M. (213) 217)
- Molding process
- Industrialization and application development of cyclo-olefin polymer (Yamazaki, M. (213) 81)
- Molybdenum imido alkylidene complexes
- Recent advances in olefin metathesis by molybdenum and tungsten imido alkylidene complexes (Schrock, R.R. (213) 21)
- Noble metal catalyst
- Novel hydrodesulfurization catalysts derived from a supported rhodium carbonyl complex. -Effect of the support on the catalytic activity and the sulfur behavior (Lee, J. (213) 207)
- Non-metallocene catalyst
- Non-metallocene catalysts for the styrene polymerization: isospecific group 4 metal bis(phenolate) catalysts (Capacchione, C. (213) 137)
- 1-Octene
- Catalytic studies of aminated MCM-41-tethered rhodium complexes for hydroformylation of 1-octene and styrene (Huang, L. (213) 241)
- Olefin metathesis
- Heterogeneous well-defined catalysts for metathesis of inert and not so inert bonds (Thieuleux, C. (213) 47)
- Recent advances in olefin metathesis by molybdenum and tungsten imido alkylidene complexes (Schrock, R.R. (213) 21)
- Synthesis of higher, *trans* configured oligomers of diisalkoxy-substituted divinylbenzenes (PV-oligomers) via metathesis telomerization of the corresponding lower oligomers (Thorn-Csányi, E. (213) 123)
- Olefins
- Industrial applications of olefin metathesis (Mol, J.C. (213) 39)
- Oleochemicals
- Industrial applications of olefin metathesis (Mol, J.C. (213) 39)
- Optical properties
- Industrialization and application development of cyclo-olefin polymer (Yamazaki, M. (213) 81)
- Oxidation
- Oxidation of cyclohexene by dendritic PAMAMSA-Mn(II) complexes (Yang, Z.-w. (213) 169)
- Palladium
- Aminocarbonylation of phenylacetylene catalysed by palladium acetate in combination with (2-pyridyl)diphenylphosphine and methanesulfonic acid (Matteoli, U. (213) 183)
- Iminopyridyl-palladium dendritic catalyst precursors: evaluation in Heck reactions (Smith, G.S. (213) 187)
- Palladium complexes
- Homogeneous catalytic hydrodechlorination of CFC and HCFC compounds (Sisak, A. (213) 163)
- Pd-Au bimetallic cluster
- Chemical promotional effect of gold added to palladium supported on cerium oxide in catalytic methanol decomposition (Kapoor, M.P. (213) 251)
- Peptides
- Bio-olefins via condensation metathesis chemistry (Hopkins, T.E. (213) 93)
- Petrochemicals
- Industrial applications of olefin metathesis (Mol, J.C. (213) 39)
- Phenol
- Phenol destruction by photocatalysis on TiO<sub>2</sub>: an attempt to solve the reaction mechanism (Sobczyński, A. (213) 225)
- Photocatalysis
- Phenol destruction by photocatalysis on TiO<sub>2</sub>: an attempt to solve the reaction mechanism (Sobczyński, A. (213) 225)

- Poly(1,6-heptadiyne)  
Poly(1,6-heptadiyne)-based functional materials by metathesis polymerization (Gal, Y.S. (213) 115)
- Poly(ene)s  
Regio- and stereospecific cyclopolymerization of 1,6-heptadiynes (Anders, U. (213) 89)
- Polyacetylene  
Poly(1,6-heptadiyne)-based functional materials by metathesis polymerization (Gal, Y.S. (213) 115)
- Polyenyne  
Organolanthanide catalyzed regio- and stereoselective dimerization of terminal alkynes and polymerization of aromatic diynes (Nishiura, M. (213) 101)
- Polyethen-co-1-octen  
Tailoring polyolefins by metallocene catalysis: kinetic and mechanistic aspects (Kaminsky, W. (213) 15)
- Polymerization  
Monocyclopentadienyl titanium catalysts: ethene polymerisation versus ethene trimerisation (Hessen, B. (213) 129)  
Olefin polymerization behavior of bis(phenoxy-imine) Zr, Ti, and V complexes with MgCl<sub>2</sub>-based cocatalysts (Nakayama, Y. (213) 141)
- Polymers  
Industrial applications of olefin metathesis (Mol, J.C. (213) 39)
- Polynorbornenes  
Influence of functional groups on ring opening metathesis polymerisation and polymer properties (Slugovc, C. (213) 107)
- Polyolefins  
Bio-olefins via condensation metathesis chemistry (Hopkins, T.E. (213) 93)
- Polyunsaturated fatty esters  
The metathesis of polyunsaturated fatty esters using the homogeneous W(O-2,6-C<sub>6</sub>H<sub>3</sub>X<sub>2</sub>)<sub>2</sub>Cl<sub>4</sub>/Me<sub>4</sub>Sn catalytic systems (Marvey, B.B. (213) 151)
- Promotion  
The effect of secondary metal on Mo<sub>2</sub>C/Al<sub>2</sub>O<sub>3</sub> catalyst for the partial oxidation of methane to syngas (Zhu, Q. (213) 199)
- PV oligomers  
Synthesis of higher, *trans* configured oligomers of diisoalkyloxysubstituted divinylbenzenes (PV-oligomers) via metathesis telomerization of the corresponding lower oligomers (Thorn-Csányi, E. (213) 123)
- Pyridylimine  
Iminopyridyl-palladium dendritic catalyst precursors: evaluation in Heck reactions (Smith, G.S. (213) 187)
- Rh complex  
Rhodium-diphosphine complex bound to activated carbon. An effective catalyst for the hydroformylation of 1-octene (Carmen Román-Martínez, M. (213) 177)
- Rhenium(VII)  
Heterogeneous well-defined catalysts for metathesis of inert and not so inert bonds (Thieuleux, C. (213) 47)
- Rhodium  
Novel hydrodesulfurization catalysts derived from a supported rhodium carbonyl complex. -Effect of the support on the catalytic activity and the sulfur behavior (Lee, J. (213) 207)
- Rhodium complexes  
Homogeneous catalytic hydrodechlorination of CFC and HCFC compounds (Sisak, A. (213) 163)
- Ring opening metathesis  
Approaches to highly polar polymers with low glass transition temperatures. 2. Fluorinated polymers via ring-opening metathesis copolymerisation and hydrogenation (James Feast, W. (213) 9)  
Ruthenium-catalyzed ROM, RCM and CM of enyne (Mori, M. (213) 73)
- Ring-closing metathesis  
Ruthenium-catalyzed ROM, RCM and CM of enyne (Mori, M. (213) 73)
- ROMP  
Allenylidene-ruthenium complexes as versatile precatalysts for alkene metathesis reactions (Castarlenas, R. (213) 31)  
Industrialization and application development of cyclo-olefin polymer (Yamazaki, M. (213) 81)  
Influence of functional groups on ring opening metathesis polymerisation and polymer properties (Slugovc, C. (213) 107)
- Ruthenium  
Allenylidene-ruthenium complexes as versatile precatalysts for alkene metathesis reactions (Castarlenas, R. (213) 31)
- Ruthenium carbene complexes  
Ruthenium-catalyzed ROM, RCM and CM of enyne (Mori, M. (213) 73)  
Influence of functional groups on ring opening metathesis polymerisation and polymer properties (Slugovc, C. (213) 107)
- <sup>35</sup>S radioisotope tracer method  
Novel hydrodesulfurization catalysts derived from a supported rhodium carbonyl complex. -Effect of the support on the catalytic activity and the sulfur behavior (Lee, J. (213) 207)
- Schrock initiators  
Regio- and stereospecific cyclopolymerization of 1,6-heptadiynes (Anders, U. (213) 89)
- Schrock-type molybdenum alkylidene complex  
Synthesis of higher, *trans* configured oligomers of diisoalkyloxysubstituted divinylbenzenes (PV-oligomers) via metathesis telomerization of the corresponding lower oligomers (Thorn-Csányi, E. (213) 123)
- Silica  
Novel hydrodesulfurization catalysts derived from a supported rhodium carbonyl complex. -Effect of the support on the catalytic activity and the sulfur behavior (Lee, J. (213) 207)
- Silica-alumina  
Novel hydrodesulfurization catalysts derived from a supported rhodium carbonyl complex. -Effect of the support on the catalytic activity and the sulfur behavior (Lee, J. (213) 207)
- Solid superacid  
Preparation and properties of Al-PILC supported SO<sub>4</sub><sup>2-</sup>/TiO<sub>2</sub> superacid catalyst (Jiang, Y.-X. (213) 231)
- Solvent influence  
Influence of functional groups on ring opening metathesis polymerisation and polymer properties (Slugovc, C. (213) 107)
- Stereorigidity  
Non-metallocene catalysts for the styrene polymerization: isospecific group 4 metal bis(phenolate) catalysts (Capacchione, C. (213) 137)
- Stereoselective polymerization  
Non-metallocene catalysts for the styrene polymerization: isospecific group 4 metal bis(phenolate) catalysts (Capacchione, C. (213) 137)
- Styrene  
Catalytic studies of aminated MCM-41-tethered rhodium complexes for hydroformylation of 1-octene and styrene (Huang, L. (213) 241)  
Non-metallocene catalysts for the styrene polymerization: isospecific group 4 metal bis(phenolate) catalysts (Capacchione, C. (213) 137)
- Sulfated titania  
Preparation and properties of Al-PILC supported SO<sub>4</sub><sup>2-</sup>/TiO<sub>2</sub> superacid catalyst (Jiang, Y.-X. (213) 231)
- Surface organometallic chemistry (SOMC)  
Heterogeneous well-defined catalysts for metathesis of inert and not so inert bonds (Thieuleux, C. (213) 47)
- Tantalum(III)  
Heterogeneous well-defined catalysts for metathesis of inert and not so inert bonds (Thieuleux, C. (213) 47)
- Telomerization  
Synthesis of higher, *trans* configured oligomers of diisoalkyloxysubstituted divinylbenzenes (PV-oligomers) via metathesis telomerization of the corresponding lower oligomers (Thorn-Csányi, E. (213) 123)

## Tethered rhodium complex

Catalytic studies of aminated MCM-41-tethered rhodium complexes for hydroformylation of 1-octene and styrene (Huang, L. (213) 241)

## Titania

Novel hydrodesulfurization catalysts derived from a supported rhodium carbonyl complex. -Effect of the support on the catalytic activity and the sulfur behavior (Lee, J. (213) 207)

Phenol destruction by photocatalysis on TiO<sub>2</sub>: an attempt to solve the reaction mechanism (Sobczyński, A. (213) 225)

## Titanium

Monocyclopentadienyl titanium catalysts: ethene polymerisation versus ethene trimerisation (Hessen, B. (213) 129)

Non-metallocene catalysts for the styrene polymerization: isospecific group 4 metal bis(phenolate) catalysts (Capacchione, C. (213) 137)

## TPR

Temperature-programmed reduction and acidic properties of molybdenum supported on MgO–Al<sub>2</sub>O<sub>3</sub> and their correlation with catalytic activity (Kumar, M. (213) 217)

## TPSR

The effect of secondary metal on Mo<sub>2</sub>C/Al<sub>2</sub>O<sub>3</sub> catalyst for the partial oxidation of methane to syngas (Zhu, Q. (213) 199)

## Transition metal complex

Olefin polymerization behavior of bis(phenoxy-imine) Zr, Ti, and V complexes with MgCl<sub>2</sub>-based cocatalysts (Nakayama, Y. (213) 141)

## Triflic acid

Benzoylation of toluene with *p*-toluoyl chloride over triflic acid functionalized mesoporous Zr-TMS catalyst (Lande, S.M. (213) 257)

## Trimerisation

Monocyclopentadienyl titanium catalysts: ethene polymerisation versus ethene trimerisation (Hessen, B. (213) 129)

## Trimethylsilylvinylidene rhodium complexes

W(CO)<sub>5</sub>(L)-promoted cyclization of 1-iodo-1-alkynes via iodovinylidene tungsten complexes (Miura, T. (213) 59)

## Tungsten imido alkylidene complexes

Recent advances in olefin metathesis by molybdenum and tungsten imido alkylidene complexes (Schrock, R.R. (213) 21)

W(O-2,6-C<sub>6</sub>H<sub>3</sub>X<sub>2</sub>)<sub>2</sub>Cl<sub>4</sub> complexes

The metathesis of polyunsaturated fatty esters using the homogeneous W(O-2,6-C<sub>6</sub>H<sub>3</sub>X<sub>2</sub>)<sub>2</sub>Cl<sub>4</sub>/Me<sub>4</sub>Sn catalytic systems (Marvey, B.B. (213) 151)

## XPS

Chemical promotional effect of gold added to palladium supported on cerium oxide in catalytic methanol decomposition (Kapoor, M.P. (213) 251)

## XRD

The effect of secondary metal on Mo<sub>2</sub>C/Al<sub>2</sub>O<sub>3</sub> catalyst for the partial oxidation of methane to syngas (Zhu, Q. (213) 199)

## Zirconium(III)

Heterogeneous well-defined catalysts for metathesis of inert and not so inert bonds (Thieuleux, C. (213) 47)