

# Coordination Chemistry Reviews 193–195 (1999) 1165–1169



## SUBJECT INDEX

#### Acetylacetonato

The 'acac method' for the synthesis of coordination and organometallic compounds: synthesis of gold complexes 1143

## Alkynyl

The 'acac method' for the synthesis of coordination and organometallic compounds: synthesis of gold complexes 1143

#### Basicity

Coordinating ability of phenylenediamines 913

## Bridging ligands

Controlling the molecular architecture of low nuclearity rhodium and iridium complexes using bridging N-C-X (X = N, O, S) ligands 941

## Building blocks

Anionic iron clusters as building blocks for the synthesis of higher nuclearity compounds containing 11- and 12-group elements 619

# Carbon disulphide derivatives

Phosphine-carbon disulfide adducts, S<sub>2</sub>CPR<sub>3</sub>: versatile ligands in coordination chemistry 643

# Catalysis

The chemistry of group 10 metalacycles 207 Phosphine-pyridyl and related ligands in synthesis and catalysis 499

Iridium and rhodium complexes with tetrafluorobenzobarrelene diolefins 557

# Chromates

Compounds of chromium(VI) as ligands 747 Coordinating ability

Coordinating ability of ligands derived from phenylenediamines 857

## Coordination compounds

Coordination chemistry of oxazoline ligands 769

#### Crystal structure

Structural aspects of the coordination chemistry of organothallium(III) and organomercury(II) derivatives 283

# Cyclopentadienyl

Advances in the chemistry of bis-cyclopentadienyl hydride derivatives of niobium and tantalum 43

#### Dendrimers

Organometallic dendrimers with transition metals 395

#### Dichromates

Compounds of chromium(VI) as ligands 747 Dinuclear

Coordination chemistry of gold(II) complexes 837

#### Diolefin

Iridium and rhodium complexes with tetrafluorobenzobarrelene diolefins 557

#### Dithiocarbamato

The 'acac method' for the synthesis of coordination and organometallic compounds: synthesis of gold complexes 1143

#### Dithiolato

The 'acac method' for the synthesis of coordination and organometallic compounds: synthesis of gold complexes 1143

## Electrochemical synthesis

Electrochemical synthesis of metallic complexes of bidentate thiolates containing nitrogen as an additional donor atom 691

## Electrochemistry

Organometallic dendrimers with transition metals 395

# Electron transfer

Coordinating ability of phenylenediamines 913

Magnetic clusters from polyoxometalate complexes 361

PII: S0010-8545(99)00217-9

#### Ethynyl

The 'acac method' for the synthesis of coordination and organometallic compounds: synthesis of gold complexes 1143

#### Gold

Coordination chemistry of gold(II) complexes 837

#### Gold complexes

The 'acac method' for the synthesis of coordination and organometallic compounds: synthesis of gold complexes 1143

#### Gold(II)

Coordination chemistry of gold(II) complexes 837

#### 11-Group elements

Anionic iron clusters as building blocks for the synthesis of higher nuclearity compounds containing 11- and 12-group elements 619

## 12-Group elements

Anionic iron clusters as building blocks for the synthesis of higher nuclearity compounds containing 11- and 12-group elements 619

#### Halochromates

Compounds of chromium(VI) as ligands 747 Hemilabile ligands

Phosphine-pyridyl and related ligands in synthesis and catalysis 499

## Heterocyclic thiones

Electrochemical synthesis of metallic complexes of bidentate thiolates containing nitrogen as an additional donor atom 691

## Heterometallic complexes

Coordination chemistry of *N*,*N*'-bis(coordinating group substituted)oxamides: a rational design of nuclearity tailored polynuclear complexes 1069

## Heteropolychromates

Compounds of chromium(VI) as ligands 747 High oxidation states.

Coordination chemistry of *N*,*N*'-bis(coordinating group substituted)oxamides: a rational design of nuclearity tailored polynuclear complexes 1069

# Homogenous catalysis

Homogeneous catalysis with transition metal complexes containing sulfur ligands 73

## Homometallic complexes

Coordination chemistry of N,N'-bis(coordi-

nating group substituted)oxamides: a rational design of nuclearity tailored polynuclear complexes 1069

#### Hydride

Advances in the chemistry of bis-cyclopentadienyl hydride derivatives of niobium and tantalum 43

#### Hydrosulfido

The 'acac method' for the synthesis of coordination and organometallic compounds: synthesis of gold complexes 1143

## Indenyl complexes

Indenyl complexes of Group 8 metals 147 Indenyl metal alkynyl complexes

Indenyl complexes of Group 8 metals 147 Indenyl metal carbene complexes

Indenyl complexes of Group 8 metals 147 Iridium

Controlling the molecular architecture of low nuclearity rhodium and iridium complexes using bridging N-C-X (X = N, O, S) ligands 941

Iridium and rhodium complexes with tetrafluorobenzobarrelene diolefins 557

#### Iron carbonyl anions

Anionic iron clusters as building blocks for the synthesis of higher nuclearity compounds containing 11- and 12-group elements 619

Iron, ruthenium and osmium complexes Indenyl complexes of Group 8 metals 147

# Magnetic behavior

Polynuclear Ni<sup>II</sup> and Mn<sup>II</sup> azido bridging complexes. Structural trends and magnetic behavior 1027

## Magnetic clusters

Magnetic clusters from polyoxometalate complexes 361

## Magnetic exchange

Magnetic clusters from polyoxometalate complexes 361

## Metalacycles

The chemistry of group 10 metalacycles 207 Metal complexes

Structural aspects of the coordination chemistry of organothallium(III) and organomercury(II) derivatives 283

## Metal complexes of triazolopyrimidines

Metal complexes of [1,2,4]triazolo-[1,5-a]pyrimidine derivatives 1119

#### Metallic thiolates

Electrochemical synthesis of metallic complexes of bidentate thiolates containing nitrogen as an additional donor atom 691

#### Metallocenes

Organometallic dendrimers with transition metals 395

#### Metallodendrimers

Organometallic dendrimers with transition metals 395

#### Mixed-valence

Magnetic clusters from polyoxometalate complexes 361

## Molecular magnetism

Magnetic clusters from polyoxometalate complexes 361

## Molecular magnets

Polynuclear Ni<sup>II</sup> and Mn<sup>II</sup> azido bridging complexes. Structural trends and magnetic behavior 1027

#### Molecular orbitals

Bonding and stereochemistry of three-coordinated transition metal compounds 13

#### Mutagenicity

Coordinating ability of phenylenediamines 913

#### Nickel

The chemistry of group 10 metalacycles 207 Niobocene

Advances in the chemistry of bis-cyclopentadienyl hydride derivatives of niobium and tantalum 43

#### Nitrogen ligands

Controlling the molecular architecture of low nuclearity rhodium and iridium complexes using bridging N-C-X (X = N, O, S) ligands 941

# NMR

Coordination chemistry of oxazoline ligands 769

#### Organomercury(II) complexes

Structural aspects of the coordination chemistry of organothallium(III) and organomercury(II) derivatives 283

#### Organometallics

Organometallic dendrimers with transition metals 395

# Organothallium(III) complexes

Structural aspects of the coordination chemistry of organothallium(III) and organomercury(II) derivatives 283

#### Oxamidate complexes

Coordination chemistry of *N,N'*-bis(coordinating group substituted)oxamides: a rational design of nuclearity tailored polynuclear complexes 1069

#### Oxazoline

Coordination chemistry of oxazoline ligands 769

#### Oxidative-addition

Controlling the molecular architecture of low nuclearity rhodium and iridium complexes using bridging N-C-X (X = N, O, S) ligands 941

#### Palladium

The chemistry of group 10 metalacycles 207 Phenylenediamine

Coordinating ability of phenylenediamines 913

#### Phenylenediamines

Coordinating ability of ligands derived from phenylenediamines 857

# Phosphine

Phosphine-pyridyl and related ligands in synthesis and catalysis 499

#### Phosphine-carbon disulfide adducts

 $\begin{array}{ccc} Phosphine-carbon & disulfide & adducts, \\ S_2CPR_3: & versatile \ ligands \ in \ coordination \\ chemistry \ 643 & \end{array}$ 

#### Phosphoniodithiocarboxylate

Phosphine-carbon disulfide adducts, S<sub>2</sub>CPR<sub>3</sub>: versatile ligands in coordination chemistry 643

# Phosphoniodithioformate

Phosphine-carbon disulfide adducts, S<sub>2</sub>CPR<sub>3</sub>: versatile ligands in coordination chemistry 643

#### Platinum

The chemistry of group 10 metalacycles 207 Polyaminecarboxylic acids

Coordinating ability of ligands derived from phenylenediamines 857

## Polychromates

Compounds of chromium(VI) as ligands 747 Polymerization

Ruthenium and osmium vinylidene complexes and some related compounds 977

#### Polynuclear

Controlling the molecular architecture of low nuclearity rhodium and iridium complexes using bridging N-C-X (X = N, O, S) ligands 941

Coordination chemistry of gold(II) complexes 837

## Polynuclear complexes

Coordination chemistry of *N,N'*-bis(coordinating group substituted)oxamides: a rational design of nuclearity tailored polynuclear complexes 1069

Polynuclear Ni<sup>II</sup> and Mn<sup>II</sup> azido bridging complexes

Polynuclear Ni<sup>II</sup> and Mn<sup>II</sup> azido bridging complexes. Structural trends and magnetic behavior 1027

## Polyoxometalates

Magnetic clusters from polyoxometalate complexes 361

#### Purine analogs

Metal complexes of [1,2,4]triazolo-[1,5-a]pyrimidine derivatives 1119

#### Pyridine

Phosphine-pyridyl and related ligands in synthesis and catalysis 499

#### Reactivity

Advances in the chemistry of bis-cyclopentadienyl hydride derivatives of niobium and tantalum 43

#### Rhodium

Controlling the molecular architecture of low nuclearity rhodium and iridium complexes using bridging N-C-X (X = N, O, S) ligands 941

Iridium and rhodium complexes with tetrafluorobenzobarrelene diolefins 557

#### Ruthenium

Ruthenium and osmium vinylidene complexes and some related compounds 977

#### Schiff bases

Coordinating ability of ligands derived from phenylenediamines 857

## Silyl-cyclopentadienyl

Transition metal complexes with functionalized silyl-substituted cyclopentadienyl and related ligands: synthesis and reactivity 447

# Silyl-fluorenyl

Transition metal complexes with functionalized silyl-substituted cyclopentadienyl and related ligands: synthesis and reactivity 447

## Silyl-indenyl

Transition metal complexes with functionalized silyl-substituted cyclopentadienyl and related ligands: synthesis and reactivity 447

#### Stability constants

Coordination chemistry of *N,N'*-bis(coordinating group substituted)oxamides: a rational design of nuclearity tailored polynuclear complexes 1069

#### Stereochemistry

Bonding and stereochemistry of three-coordinated transition metal compounds 13

## Sulfur ligands

Homogeneous catalysis with transition metal complexes containing sulfur ligands 73

#### Synthesis

Advances in the chemistry of bis-cyclopentadienyl hydride derivatives of niobium and tantalum 43

#### Tantalocene

Advances in the chemistry of bis-cyclopentadienyl hydride derivatives of niobium and tantalum 43

#### Tetrafluorobenzobarrelene

Iridium and rhodium complexes with tetrafluorobenzobarrelene diolefins 557

#### Thiolato

The 'acac method' for the synthesis of coordination and organometallic compounds: synthesis of gold complexes 1143

#### Three-coordination

Bonding and stereochemistry of three-coordinated transition metal compounds 13

#### Toxicity Coordinating ability

Coordinating ability of phenylenediamines 913

## Transition metal

Coordination chemistry of oxazoline ligands 769

# Transition metal clusters

Anionic iron clusters as building blocks for the synthesis of higher nuclearity compounds containing 11- and 12-group elements 619

## Transition metal complexes

Bonding and stereochemistry of three-coordinated transition metal compounds 13

Transition metal complexes with functionalized silyl-substituted cyclopentadienyl and related ligands: synthesis and reactivity 447

# Transition metals

Organometallic dendrimers with transition metals 395

Homogeneous catalysis with transition metal complexes containing sulfur ligands 73

Phosphine-pyridyl and related ligands in synthesis and catalysis 499

Triazolopyrimidines

Metal complexes of [1,2,4]triazolo-[1,5-a]pyrimidine derivatives 1119

Trithiocarbonato

The 'acac method' for the synthesis of coordination and organometallic compounds: synthesis of gold complexes 1143

Vinylidene complexes

Ruthenium and osmium vinylidene complexes and some related compounds 977

X-ray

Coordination chemistry of oxazoline ligands

X-ray structure

Structural aspects of the coordination chemistry of organothallium(III) and organomercury(II) derivatives 283

X-ray structures

Metal complexes of [1,2,4]triazolo-[1,5-a]pyrimidine derivatives 1119

Ylide

The 'acac method' for the synthesis of coordination and organometallic compounds: synthesis of gold complexes 1143