

Subject Index of Volume 226

- Adipocytes
 Antidiabetic vanadium(IV) and zinc(II) complexes 187
- Ancillary ligand
 Synthesis and reactivity of (phosphinoakyl)silyl complexes 167
- L-Arginine
 Electron transfer in nitric-oxide synthase 179
- Azo
 Azo- and quinone-conjugated redox complexes—photo- and proton-coupled intramolecular reactions based on d– π interaction 125
- Back electron transfer
 Formation of superoxide–metal ion complexes and the electron transfer catalysis 71
- BEDT-TTF
 Spin-mediated superconductivity in cuprates, organic conductors and π –d conjugated systems 235
- Biradical
 Synthetic, spectroscopic and theoretical study of novel supramolecular structures composed of lanthanide phthalocyanine double-decker complexes 93
- Boron hydrides
 The concept of boranes as ligands 61
- Carbon dioxide
 Multi-electron reduction of CO₂ via Ru–CO₂, –C(O)OH, –CO, –CHO, and –CH₂OH species 211
- Carbon monoxide
 Time resolved spectroscopic studies relevant to reactive intermediates in homogeneous catalysis. The migratory insertion reaction 39
- Carbonylations
 Time resolved spectroscopic studies relevant to reactive intermediates in homogeneous catalysis. The migratory insertion reaction 39
- Carbonyl complex
 Multi-electron reduction of CO₂ via Ru–CO₂, –C(O)OH, –CO, –CHO, and –CH₂OH species 211
- CASSCF/MS-CASPT2
 Photodecomposition of trimethyltin halides: a theoretical study 11
- Catalase
 Electronic structure and reactivity of high-valent oxo iron porphyrins 51
- Catalysis
 Formation of superoxide–metal ion complexes and the electron transfer catalysis 71
- Catalytic activation
 Time resolved spectroscopic studies relevant to reactive intermediates in homogeneous catalysis. The migratory insertion reaction 39
- CD sensing
 Recognition and sensing of chiral biological substrates via lanthanide coordination chemistry 227
- C–H bond activation
 Theoretical study on kinetic isotope effects in the C–H bond activation of alkanes by iron-oxo complexes 251
- Chelate
 Synthesis and reactivity of (phosphinoakyl)silyl complexes 167
- Complexation
 Thermodynamic and structural aspects on the solvation steric effect of lanthanide(III)—dependence on the ionic size 103
- Conjugated complexes
 Conjugated systems composed of transition metals and redox-active π -conjugated ligands 81
- π -Conjugated molecules
 Conjugated systems composed of transition metals and redox-active π -conjugated ligands 81
- π -Conjugated polymers
 Conjugated systems composed of transition metals and redox-active π -conjugated ligands 81
- Copper(II) complexes
 Copper(II) complexes with multidentate Schiff-base ligands containing imidazole groups: ligand-complex or self-complementary molecule? 199
- Copper oxide
 Spin-mediated superconductivity in cuprates, organic conductors and π –d conjugated systems 235
- Crown ether
 Synthetic, spectroscopic and theoretical study of novel supramolecular structures composed of lanthanide phthalocyanine double-decker complexes 93
- Crown ethers
 Control of assembly and magnetism of metal–dmit complexes by supramolecular cations 3
- Crystal structure
 Multi-electron reduction of CO₂ via Ru–CO₂, –C(O)OH, –CO, –CHO, and –CH₂OH species 211
- Crystal structures
 Structures and properties of assembled oxidized metal complexes with C₈H₄S₈ and related sulfur-rich dithiolate ligands 143
- Cyclopentadienyl metal complexes
 Structures and properties of assembled oxidized metal complexes with C₈H₄S₈ and related sulfur-rich dithiolate ligands 143
- Cytochrome P450
 Electronic structure and reactivity of high-valent oxo iron porphyrins 51
 Synthetic models for the active site of cytochrome P450 219
 Theoretical study on kinetic isotope effects in the C–H bond activation of alkanes by iron-oxo complexes 251
- π –d Conjugated system
 Spin-mediated superconductivity in cuprates, organic conductors and π –d conjugated systems 235
- Density functional theory
 Theoretical study on kinetic isotope effects in the C–H bond activation of alkanes by iron-oxo complexes 251
- DFT calculation
 Spin-mediated superconductivity in cuprates, organic conductors and π –d conjugated systems 235
- Diabetes mellitus
 Antidiabetic vanadium(IV) and zinc(II) complexes 187

d– π Interaction

Azo- and quinone-conjugated redox complexes—photo- and proton-coupled intramolecular reactions based on d– π interaction 125

Dithiolate complexes

Structures and properties of assembled oxidized metal complexes with C₈H₄S₈ and related sulfur-rich dithiolate ligands 143

DMF–DMA mixtures

Thermodynamic and structural aspects on the solvation steric effect of lanthanide(III)—dependence on the ionic size 103

Donor number

Anions of low Lewis basicity for ionic solid state electrolytes 137

Double-decker complexes

Synthetic, spectroscopic and theoretical study of novel supramolecular structures composed of lanthanide phthalocyanine double-decker complexes 93

DV-X α molecular orbital calculation

Cocrystallites consisting of metal macrocycles with fullerenes 113

Effective exchange integrals

Spin-mediated superconductivity in cuprates, organic conductors and π –d conjugated systems 235

Electrical conductivity

Structures and properties of assembled oxidized metal complexes with C₈H₄S₈ and related sulfur-rich dithiolate ligands 143

Electron deficient ligands

The concept of boranes as ligands 61

Electron transfer

Electron transfer in nitric-oxide synthase 179

Extraction

Recognition and sensing of chiral biological substrates via lanthanide coordination chemistry 227

Ferrocene

Azo- and quinone-conjugated redox complexes—photo- and proton-coupled intramolecular reactions based on d– π interaction 125

Flavins

Electron transfer in nitric-oxide synthase 179

Fullerene C₆₀, C₇₀ and endohedral metallofullerene

Cocrystallites consisting of metal macrocycles with fullerenes 113

Fullerene cocrystallites

Cocrystallites consisting of metal macrocycles with fullerenes 113

Heme

Electronic structure and reactivity of high-valent oxo iron porphyrins 51

Electron transfer in nitric-oxide synthase 179

High-valent iron(IV,V) porphyrins

Resonance Raman spectra and biological significance of high-valent iron(IV,V) porphyrins 153

Hydrogen bond

Copper(II) complexes with multidentate Schiff-base ligands containing imidazole groups: ligand-complex or self-complementary molecule? 199

Synthetic models for the active site of cytochrome P450 219

Insulin-mimetic activity

Antidiabetic vanadium(IV) and zinc(II) complexes 187

Ionic solid state electrolytes

Anions of low Lewis basicity for ionic solid state electrolytes 137

Iron

Synthetic models for the active site of cytochrome P450 219

Kinetic isotope effect

Theoretical study on kinetic isotope effects in the C–H bond activation of alkanes by iron-oxo complexes 251

Kohn–Sham DFT

Toward understanding nephelauxetism: interelectronic repulsion in gaseous d⁹ ions computed by Kohn–Sham DFT 17

Lanthanide

Synthetic, spectroscopic and theoretical study of novel supramolecular structures composed of lanthanide phthalocyanine double-decker complexes 93

Lanthanide(III)

Thermodynamic and structural aspects on the solvation steric effect of lanthanide(III)—dependence on the ionic size 103

Lanthanide porphyrinate

Recognition and sensing of chiral biological substrates via lanthanide coordination chemistry 227

Lanthanide tris(β -diketonate)

Recognition and sensing of chiral biological substrates via lanthanide coordination chemistry 227

Lewis basicity

Anions of low Lewis basicity for ionic solid state electrolytes 137

Macrocycles

Cocrystallites consisting of metal macrocycles with fullerenes 113

Metal–carbon stretching vibration

Multi-electron reduction of CO₂ via Ru–CO₂, –C(O)OH, –CO, –CHO, and –CH₂OH species 211

Metal ion

Formation of superoxide–metal ion complexes and the electron transfer catalysis 71

Metalloboranes

The concept of boranes as ligands 61

Methane monooxygenase

Theoretical study on kinetic isotope effects in the C–H bond activation of alkanes by iron-oxo complexes 251

Molecular magnets

Control of assembly and magnetism of metal–dmit complexes by supramolecular cations 3

Molecular recognition

Recognition and sensing of chiral biological substrates via lanthanide coordination chemistry 227

Multi-redox systems

Conjugated systems composed of transition metals and redox-active π -conjugated ligands 81

NADPH oxidation

Electron transfer in nitric-oxide synthase 179

Nephelauxetism

Toward understanding nephelauxetism: interelectronic repulsion in gaseous d^9 ions computed by Kohn–Sham DFT 17

 $Ni(dmit)_2$

Control of assembly and magnetism of metal–dmit complexes by supramolecular cations 3

Nitric-oxide synthase

Electron transfer in nitric-oxide synthase 179

Oxidation/reduction

Structures and properties of assembled oxidized metal complexes with $C_8H_4S_8$ and related sulfur-rich dithiolate ligands 143

Oxometallates

Structures and properties of assembled oxidized metal complexes with $C_8H_4S_8$ and related sulfur-rich dithiolate ligands 143

Oxygen

Synthetic models for the active site of cytochrome P450 219

Peroxidase

Electronic structure and reactivity of high-valent oxo iron porphyrins 51

(Phosphinoalkyl)silyl

Synthesis and reactivity of (phosphinoalkyl)silyl complexes 167

(Phosphinoethyl)silyl

Synthesis and reactivity of (phosphinoalkyl)silyl complexes 167

(Phosphinomethyl)silyl

Synthesis and reactivity of (phosphinoalkyl)silyl complexes 167

Photodecomposition

Photodecomposition of trimethyltin halides: a theoretical study 11

Photoisomerization

Azo- and quinone-conjugated redox complexes—photo- and proton-coupled intramolecular reactions based on $d-\pi$ interaction 125

Phthalocyanine

Synthetic, spectroscopic and theoretical study of novel supramolecular structures composed of lanthanide phthalocyanine double-decker complexes 93

Polyhapto B_nM bonding

The concept of boranes as ligands 61

Porphyrin

Electronic structure and reactivity of high-valent oxo iron porphyrins 51

Synthetic models for the active site of cytochrome P450 219

Porphyrin oep and tpp

Cocrystallites consisting of metal macrocycles with fullerenes 113

Proton-coupled electron transfer

Azo- and quinone-conjugated redox complexes—photo- and proton-coupled intramolecular reactions based on $d-\pi$ interaction 125

Pterin

Electron transfer in nitric-oxide synthase 179

Quinone

Azo- and quinone-conjugated redox complexes—photo- and proton-coupled intramolecular reactions based on $d-\pi$ interaction 125

Redox-active ligands

Conjugated systems composed of transition metals and redox-active π -conjugated ligands 81

Reductase

Electron transfer in nitric-oxide synthase 179

Reduction of CO_2

Multi-electron reduction of CO_2 via $Ru-CO_2$, $-C(O)OH$, $-CO$, $-CHO$, and $-CH_2OH$ species 211

Repulsion parameters

Toward understanding nephelauxetism: interelectronic repulsion in gaseous d^9 ions computed by Kohn–Sham DFT 17

Resonance Raman spectra

Resonance Raman spectra and biological significance of high-valent iron(IV,V) porphyrins 153

Reversible redox cycle

Conjugated systems composed of transition metals and redox-active π -conjugated ligands 81

Ruthenium

Multi-electron reduction of CO_2 via $Ru-CO_2$, $-C(O)OH$, $-CO$, $-CHO$, and $-CH_2OH$ species 211

Silyl complex

Synthesis and reactivity of (phosphinoalkyl)silyl complexes 167

Site-directed mutagenesis

Electron transfer in nitric-oxide synthase 179

Solvation steric effect

Thermodynamic and structural aspects on the solvation steric effect of lanthanide(III)—dependence on the ionic size 103

Spin mediated superconductivity

Spin-mediated superconductivity in cuprates, organic conductors and $\pi-d$ conjugated systems 235

Structure–activity relationship

Antidiabetic vanadium(IV) and zinc(II) complexes 187

Superoxide dismutase

Formation of superoxide–metal ion complexes and the electron transfer catalysis 71

Superoxide ion

Formation of superoxide–metal ion complexes and the electron transfer catalysis 71

Supramolecular cations

Control of assembly and magnetism of metal–dmit complexes by supramolecular cations 3

Supramolecular chemistry

Copper(II) complexes with multidentate Schiff-base ligands containing imidazole groups: ligand-complex or self-complementary molecule? 199

Supramolecular structure

Synthetic, spectroscopic and theoretical study of novel supramolecular structures composed of lanthanide phthalocyanine double-decker complexes 93

Thermodynamics and structure	Vanadium(IV) complexes
Thermodynamic and structural aspects on the solvation steric effect of lanthanide(III)—dependence on the ionic size 103	Antidiabetic vanadium(IV) and zinc(II) complexes 187
Thiolate	X-ray structural analysis
Synthetic models for the active site of cytochrome P450 219	Cocrystallites consisting of metal macrocycles with fullerenes 113
Transition state theory	Zinc(II) complexes
Theoretical study on kinetic isotope effects in the C–H bond activation of alkanes by iron-oxo complexes 251	Antidiabetic vanadium(IV) and zinc(II) complexes 187
Trimethyltin halides	
Photodecomposition of trimethyltin halides: a theoretical study 11	