



COORDINATION CHEMISTRY REVIEWS, VOL. 187 (1999)

AUTHOR INDEX

Beers, W.W., 103	Hopkins, M.D., 103	Stanbury, D.M., 223
Brunschwig, B.S., 233	Hoshino, M., 75	Stochel, G., 329
Butler, A., 17	Keene, F.R., 121	Sutin, N., 233
Elias, H., 37	Laverman, L., 75	Swaddle, T.W., 255
Figlar, J.N., 223	Martin, D.S., 103	Sweigart, D.A., 183
Ford, P.C., 1, 3, 75	McCarley, R.E., 103	Sykes, A.G., 291
Gray, H.B., 103	Merbach, A.E., 151	Tregloan, P.A., 255
Helm, L., 151	Miskowski, V.M., 103	Trogler, W.C., 303
Hernandez-Molina, R., 291	Pike, R.D., 183	van Eldik, R., 329

PII: S0010-8545(99)00145-9

SUBJECT INDEX

Adipic acid	Coordinated amines
Physical properties and mechanisms of formation of nitrous oxide 303	Metal-ion promotion of the oxidative dehydrogenation of coordinated amines and alcohols 121
Ammonium nitrate	Coordination shell
Physical properties and mechanisms of formation of nitrous oxide 303	Water exchange on metal ions: experiments and simulations 151
Arene complexes	Cyclam
Electrophilic reactivity of coordinated cyclic π -hydrocarbons 183	Kinetics and mechanism of metal complex formation with N_4 -donor macrocycles of the cyclam type 37
Chlorite	Cyclohexadienyl complexes
Vanishingly slow kinetics of the ClO_2/Cl^- reaction: its questionable significance in nonlinear chlorite reactions 223	Electrophilic reactivity of coordinated cyclic π -hydrocarbons 183
Coordinated alcohols	Cyclotetramolybdenum(II) diynes
Metal-ion promotion of the oxidative dehydrogenation of coordinated amines and alcohols 121	Electronic spectra of cyclotetramolybdenum(II) diynes 103

PII: S0010-8545(99)00146-0

Dilute polymer films

Electronic spectra of cyclotetramolybdenum(II) diynes 103

Eigen–Wilkins mechanism

Kinetics and mechanism of metal complex formation with N_4 -donor macrocycles of the cyclam type 37

Eigen–Winkler mechanism

Kinetics and mechanism of metal complex formation with N_4 -donor macrocycles of the cyclam type 37

Electrode kinetics

Electrode reactions of metal complexes in solution at high pressures 255

Electrode potentials

Electrode reactions of metal complexes in solution at high pressures 255

Electronic coupling elements

Energy surfaces, reorganization energies, and coupling elements in electron transfer 233

Electronic spectra

Electronic spectra of cyclotetramolybdenum(II) diynes 103

Electron transfer

Energy surfaces, reorganization energies, and coupling elements in electron transfer 233

Electrophilic complexes

Electrophilic reactivity of coordinated cyclic π -hydrocarbons 183

Energy surfaces

Energy surfaces, reorganization energies, and coupling elements in electron transfer 233

Enzymes

Mechanistic considerations of the vanadium haloperoxidases 17

Halide ions

Mechanistic considerations of the vanadium haloperoxidases 17

Heterometallic cuboidal clusters

Reactions of the heterometallic cuboidal clusters Mo_3MS_4 ($M = Co, Ni, Pd, Cu$) and Mo_3NiSe_4 with CO: electron counts and kinetic/thermodynamic studies with $M = Ni, Pd$ 291

 π -Hydrocarbon complexes

Electrophilic reactivity of coordinated cyclic π -hydrocarbons 183

Iron

Nitric oxide complexes of metalloporphyrins: an overview of some mechanistic studies 75

Kinetics

Physical properties and mechanisms of formation of nitrous oxide 303

Kinetics of complex formation

Kinetics and mechanism of metal complex formation with N_4 -donor macrocycles of the cyclam type 37

Kinetic/thermodynamic studies

Reactions of the heterometallic cuboidal clusters Mo_3MS_4 ($M = Co, Ni, Pd, Cu$) and Mo_3NiSe_4 with CO: electron counts and kinetic/thermodynamic studies with $M = Ni, Pd$ 291

Ligand substitution

Elucidation of inorganic reaction mechanisms through volume profile analysis 329

Macrocyclic ligand complexes

Kinetics and mechanism of metal complex formation with N_4 -donor macrocycles of the cyclam type 37

Marcus theory

Electrode reactions of metal complexes in solution at high pressures 255

Metal-ion promotion

Metal-ion promotion of the oxidative dehydrogenation of coordinated amines and alcohols 121

Metalloporphyrins

Nitric oxide complexes of metalloporphyrins: an overview of some mechanistic studies 75

 $[Mo_3MS_4(H_2O)_{10}]^{4+}$

Reactions of the heterometallic cuboidal clusters Mo_3MS_4 ($M = Co, Ni, Pd, Cu$) and Mo_3NiSe_4 with CO: electron counts and kinetic/thermodynamic studies with $M = Ni, Pd$ 291

Nitric oxide

Nitric oxide complexes of metalloporphyrins: an overview of some mechanistic studies 75

Physical properties and mechanisms of formation of nitrous oxide 303

Nitrous oxide

Physical properties and mechanisms of formation of nitrous oxide 303

Nonlinear reactions

Vanishingly slow kinetics of the ClO_2/Cl^- reaction: its questionable significance in nonlinear chlorite reactions 223

- Nucleophilic addition
 - Electrophilic reactivity of coordinated cyclic π -hydrocarbons 183
- Oxidative dehydrogenation
 - Metal-ion promotion of the oxidative dehydrogenation of coordinated amines and alcohols 121
- Reaction mechanisms
 - Kinetics and mechanism of metal complex formation with N_4 -donor macrocycles of the cyclam type 37
 - Elucidation of inorganic reaction mechanisms through volume profile analysis 329
- Reaction pathways
 - Water exchange on metal ions: experiments and simulations 151
- Reorganization energies
 - Energy surfaces, reorganization energies, and coupling elements in electron transfer 233
- Slow kinetics
 - Vanishingly slow kinetics of the ClO_2/Cl^- reaction: its questionable significance in nonlinear chlorite reactions 223
- Vanadium haloperoxidases
 - Mechanistic considerations of the vanadium haloperoxidases 17
- Volume of activation
 - Electrode reactions of metal complexes in solution at high pressures 255
- Volume of reaction
 - Electrode reactions of metal complexes in solution at high pressures 255
- Volume profile analysis
 - Elucidation of inorganic reaction mechanisms through volume profile analysis 329
- Water exchange reaction
 - Water exchange on metal ions: experiments and simulations 151