SUBJECT INDEX

Amine complexes, photoisomerization of rhodium(III), 343

Aromatic compounds, efficiencies of electron transfer reactions in the quenching of excited rhodium(I) compounds by, 311

Bis(fulvalene), photochemistry of electron donor-acceptor complexes of, dicobalt mono- and dications, 273

Carbon dioxide by tris(2,2'bipyridine)cobalt(I), reduction of,
247
Cobalt(I) complexes, photogeneration
and reactions of, 321
Copper complexes, exciplex quenching
of photo-excited, 83

Dimanganese and direhenium decacarbonyls,
laser photolysis study on the photosubstitution in, 1

Dipole-forbidden energy transfer
process in solution, 293

Distance dependence of electron
transfer rates, 135

Donor-acceptor complexes of bis(fulvalene)
dicobalt mono- and dications, photochemistry of electron, 273

Electron transfer at fixed and known distance within protein complexes, long range, 125
Electron transfer rates, distance dependence of, 135

Energy transfer process in solution, dipole-forbidden, 293
Exciplex quenching of photo-excited copper complexes, 83
Excited state bonding changes and electronic spectra from preresonance Raman spectra, calculation of, 93

Intervalence excitation, photoredox reactions of mixed-valence compounds induced by, 159

M(bpy)₃ (M = Fe, Ru, Os), Cr(bpy)₃,
 electron spectroscopy and related
 compounds, 21
Metal complexes, photodynamics and
 electronic structures of, 53
Metallochlorophylls, photoelectro chemistry of, 207

Photodynamics and electronic structures of metal complexes, 53

Photoredox reactions of mixed-valence compounds induced by intervalence excitation, 159

Polymers and proteins, long distance electron transfer in, 113

Polymetallic complexes, intramolecular energy transfer in, 261

Preresonance Raman spectra, calculation of excited state bonding changes and electronic spectra from, 93

Pressure effects on the photochemical reactions of transition metal complexes, 361

Protein complexes, long range electron transfer at fixed and known distance within, 125

Proteins, long distance electron transfer in polymers and, 113

Redox orbitals, spatially isolated, an update, 65

Rhodium(I) compounds by aromatic compounds, efficiencies of electron transfer reactions in the quenching of excited, 311

Rhodium(III) amine complexes, photoisomerization of, 343

Ru(bpy)₃²⁺/methyl viologen/ EDTA photochemical system, solution medium control of the, 175

Semiconductors with transition metal complexes - a route to the photo-assisted cleavage of water, photosensitization of, 225

Solution medium control of the Ru(bpy)₃²⁺/methyl viologen/ EDTA photochemical system, 175

Spatially isolated redox orbitals - an update, 65

Transition metal-organic Lystems,
photochemistry of, 191

Transition metal complexes, spectroscopic properties of (nd)¹⁰, 41

Transition metal complexes, photosensitization of semiconductors with,
- a route to the photoassisted cleavage of water, 225

Transition metal complexes, pressure effects on the photochemical reactions of, 361

Tris(2,2'-bipyridine)cobalt(I),
reduction of carbon dioxide by, 247

Water, photosensitization of semiconductors with transition metal complexes - a route to the photoassisted cleavage of, 225