

Contents

Introduction	1
Part I Cu	13
Magnetic properties of copper(II) complex of Schiff-base derived from anthranilic acid and L-arabinose	15
Magnetic properties of copper(II) complex of Schiff-base derived from anthranilic acid and D-xylose	16
Magnetic properties of copper(II) complex of Schiff-base derived from anthranilic acid and D-glucose	17
Magnetic properties of copper(II) complex of Schiff-base derived from anthranilic acid and D-galactose	18
Magnetic properties of homobinuclear mixed ligand Cu(II) complex of the 5, 5'-methylene-bis(salicylaldehyde) and bipyridyl	19
Magnetic properties of homobinuclear mixed ligand Cu(II) complex of the 5, 5'-methylene-bis(3-bromosalicylaldehyde) and bipyridyl	20
Magnetic properties of homobinuclear mixed ligand Cu(II) complex of the 5, 5'-methylene-bis(salicylaldehyde) and 1, 10-phenantroline	21
Magnetic properties of homobinuclear mixed ligand Cu(II) complex of the 5, 5'-methylene-bis(3-nitrosalicylaldehyde) and 1, 10-phenantroline	22
Magnetic properties of copper(II) complex of 5, 12-dimethyl-7, 14-diphenyl-1, 4, 8, 11-tetraazacyclotetradecane-4, 11-diacetic acid	23
Magnetic properties of dinuclear copper(II) complex of 5, 12-dimethyl-7, 14-diphenyl-1, 4, 8, 11-tetraazacyclotetradecane-4, 11-diacetic acid	25
Magnetic properties of copper(II) chloride adduct of 7-azaindole	26
Magnetic properties of chloro-copper(II) complex of 7-azaindole	27
Magnetic properties of chloro-oxo-copper(II) complex of 7-azaindole	29
Magnetic properties of copper(II)-zinc(II) heterodinuclear complex of Schiff-base derived from 1 mole of 2-hydroxy-5-methylbenzene-1, 3-dicarbaldehyde, 1 mole of 1, 3-diaminopropane and 2 moles of aniline	31
Magnetic properties of copper(II)-zinc(II) heterodinuclear complex of Schiff-base derived from 1 mole of 2-hydroxy-5-methylbenzene-1, 3-dicarbaldehyde, 1 mole of 1, 3-diaminopropane and 2 moles of <i>o</i>-methylaniline	33
Magnetic properties of copper(II)-zinc(II) heterodinuclear complex of Schiff-base derived from 1 mole of 2-hydroxy-5-methylbenzene-1, 3-dicarbaldehyde, 1 mole of 1, 3-diaminopropane and 2 moles of <i>p</i>-methoxyaniline	35

Magnetic properties of copper(II)-zinc(II) heterodinuclear complex of Schiff-base derived from 1 mole of 2-hydroxy-5-methylbenzene-1, 3-dicarbaldehyde, 1 mole of 1, 3-diaminopropane and 2 moles of <i>o</i> -methoxyaniline	37
Magnetic properties of copper(II)-zinc(II) heterodinuclear complex of Schiff-base derived from 1 mole of 2-hydroxy-5-methylbenzene-1, 3-dicarbaldehyde, 1 mole of 1, 3-diaminopropane and 2 moles of <i>o</i> -ethoxyaniline	39
Magnetic properties of copper(II)-zinc(II) heterodinuclear complex of Schiff-base derived from 1 mole of 2-hydroxy-5-methylbenzene-1, 3-dicarbaldehyde, 1 mole of 1, 3-diaminopropane and 2 moles of <i>o</i> -thiomethylaniline	41
Magnetic properties of copper(II) complex of isoorotic acid	43
Magnetic properties of copper(II) complex of 2-thioisoorotic acid	45
Magnetic properties of mononuclear barium and dinuclear copper(II) complex of 24-membered bibracchial tetraimine Schiff-base macrocycle derived from tris(2-aminoethyl)amine and 2, 5-diformylfuran	46
Magnetic properties of 2, 6, 10, 14-tetraaza(15)ferrocenophanecopper(II) tetrafluoroborate dihydrate	48
Magnetic properties of Cu(II) chloride complex of 1, 4, 7-triazacyclononane-N-acetate	49
Magnetic properties of dinuclear copper(II)-lithium(I) complex of 1, 4, 7-triazacyclononane-N-acetate	51
Magnetic properties of copper(II) complex of 1, 4, 7-triazacyclononane-N-acetate	53
Magnetic properties of dinuclear copper(II) complex of N-(2-hydroxy- benzyl)-1, 4, 7-triazacyclononane	55
Magnetic properties of trinuclear copper(II) chloride compound with 1, 9-bis-(3-amino-4H-1, 2, 4-triazo-5-yl)-3, 7-dithianonane	57
Magnetic properties of trinuclear copper(II) bromide compound with 1, 9-bis-(3-amino-4H-1, 2, 4-triazo-5-yl)-3, 7-dithianonane	59
Magnetic properties of trimetallic(dicopper and strontium) complex with ethylacetate and amino alcohol	61
Magnetic properties of trimetallic (dichromium-copper) complex with oxalic acid and bipyridine	63
Magnetic properties of dinuclear copper(II) chlorate complex of oxamidic ligand	65
Magnetic properties of dinuclear copper(II) chloride complex of oxamidic ligand	66
Magnetic properties of dinuclear copper(II) acetate complex of oxamidic ligand	67
Magnetic properties of triply bridged one-dimensional polymer of copper with acetate and 2, 5-bis(2-pyridyl)pyrazine ligands	68
Magnetic properties of triply bridged one-dimensional polymer of copper with benzoate and 2, 5-bis(2-pyridyl)pyrazine ligands	70
Magnetic properties of copper(II) complex with N, N', N'', N'''-tetrakis(2-pyridylmethyl)-1, 4, 8, 11-tetraazacyclotetradecane	72
Magnetic properties of copper(II) complex with N, N', N'', N'''-tetrakis(2-pyridylmethyl)-1, 4, 8, 11-tetraazacyclotetradecane and azide ligand	74

Magnetic properties of copper(II) complex with N, N', N'', N'''- tetrakis(2-pyridylmethyl)-1, 4, 8, 11-tetraazacyclotetradecane and fluoride ligand	76
Magnetic properties of copper(II) complex with N, N', N'', N'''- tetrakis(2-pyridylmethyl)-1, 4, 8, 11-tetraazacyclotetradecane and chloride ligand	78
Magnetic properties of copper(II) complex with N, N', N'', N'''- tetrakis(2-pyridylmethyl)-1, 4, 8, 11-tetraazacyclotetradecane and bromide ligand	80
Magnetic properties of copper(II) complex with N, N', N'', N'''- tetrakis(2-pyridylmethyl)-1, 4, 8, 11-tetraazacyclotetradecane and iodide ligand	82
Magnetic properties of copper(II) complex with N, N', N'', N'''- tetrakis(2-pyridylmethyl)-1, 4, 8, 11-tetraazacyclotetradecane and nitrite ligand	84
Magnetic properties of copper(II) complex with N, N', N'', N'''- tetrakis(2-pyridylmethyl)-1, 4, 8, 11-tetraazacyclotetradecane and hydroxide ligand	86
Magnetic properties of copper(II) complex with N, N', N'', N'''- tetrakis(2-pyridylmethyl)-1, 4, 8, 11-tetraazacyclotetradecane and bis(azido) ligands	88
Magnetic properties of copper(II) complex with N, N', N'', N'''- tetrakis(2-pyridylmethyl)-1, 4, 8, 11-tetraazacyclotetradecane and bis(bromo) ligands	90
Magnetic properties of a phenoxy- and hydroxyl-bridged copper(II) complex with a tetraaza macrocyclic Schiff-base ligand	92
Magnetic properties of di-tetraethylammonium- μ -acetato-N, N, N', N'- tetrakis(carboxylatemethyl)-2, 6-diamino-cresolatodicopperate(II)	94
Magnetic properties of [bis(4-amino-3, 5-bis(pyridine-2-yl)-1, 2, 4-triazole-N', N')- (aqua)copper(II) bis(hydrogensulfate)	96
Magnetic properties of diaqua-bis(1, 3-dimethyl-(1H, 3H)-pteridine-2, 4-dione) copper(II) perchlorate	98
Magnetic properties of diaqua-bis(1, 3, 6, 7-tetramethylpteridine-2, 4-(1H, 3H)- dione-O ⁴ , N ⁵)copper(II) perchlorate dihydrate	99
Magnetic properties of binuclear copper(II) complex of suprofen	100
Magnetic properties of tetraamine-5-phenylsulfonamide-1, 3, 4-thiadiazole-2- sulfonamidocopper(II)	102
Magnetic properties of aquadiethylenetriamine-5-phenylsulfonamide-1, 3, 4-thiadiazole- 2-sulfonamidocopper(II)	103
Magnetic properties of aqua-bis(3-aminopropyl)amine-5-phenyl sulfonamide-1, 3, 4-thiadiazole-2-sulfonamidocopper(II)	104
Magnetic properties of μ -(chloranilato)-bis(1, 4, 7-trimethyl-1, 4, 7-triazacyclononane) dicopper(II) perchlorate	105
Magnetic properties of tetrakis[μ -(β -alanine)-O, O']dichlorodicopper(II) chloride monohydrate	107
Magnetic properties of tetrakis[μ -(β -alanine)-O, O']diaquadicopper(II) nitrate tetrahydrate	109
Magnetic properties of diaqua-bis(1, 3, 6, 7-tetramethylpteridine-2, 4-(1H, 3H)-dione) copper(II) nitrate dihydrate	111

Magnetic properties of dinuclear copper(II) complex of <i>cis</i> -N, N'-bis(3-aminopropyl) oxamidate and 2, 2'-bipyrimidine	113
Magnetic properties of dinuclear copper(II) complex of <i>trans</i> -N, N'-bis(3-aminopropyl) oxamidate and 2, 2'-bipyrimidine	115
Magnetic properties of dinuclear copper(II) complex of <i>trans</i> -N, N'-bis(3-aminopropyl) oxamidate and 2, 2'-bipyrimidine	117
Magnetic properties of mixed ligand copper(II) coordination polymer	119
Magnetic properties of mixed ligand copper(II) coordination polymer	121
Magnetic properties of mixed ligand copper(II) coordination polymer	123
Magnetic properties of copper(II) complex of a phenol-based macrocycle	125
Magnetic properties of dinuclear copper(II)-copper(II) complex of a phenol-based macrocycle	126
Magnetic properties of binuclear copper(II) complex with N-(2-hydroxyphenyl)-3-methoxycarbonyl-4, 6-dimethylsalicylamide as the tetrapropylammonium salt	128
Magnetic properties of di[salicylaldehydebenzoylhydrazonatecopper(II)]	131
Magnetic properties of di[chlorohydrosalicylaldehydebenzoyl-hydrazonatecopper(II)]	132
Magnetic properties of aquadichlorosalicylaldehydebenzoylhydrazonate- copper(II)	133
Magnetic properties of di[bromohydrosalicylaldehydebenzoyl hydrazonatecopper(II)]	134
Magnetic properties of di[dibromodisalicylaldehydebenzoylhydrazonatecopper(II)]-monohydrate	135
Magnetic properties of di[aquaperchloratohydrosalicylaldehydebenzoyl-hydrazonatecopper(II)]	136
Magnetic properties of di[nitratohydrosalicylaldehydebenzoyl-hydrazonatecopper(II)]	137
Magnetic properties of dihydrosalicylaldehydebenzoyl-hydrazonatosulphatodicopper(II)	138
Magnetic properties of aquachlorohydrosalicylaldehydebenzoyl-hydrazonatecopper(II)	139
Magnetic properties of di- μ -hydroxo-bis(μ -perchlorato-O, O')-bis[bis(2-amino-4-methylpyrimidine)copper(II)]	140
Magnetic properties of bis[2-{2-(α -pyridyl)methyl}imino-3-butanoneoximato]dicopper(II) perchlorate	142
Magnetic properties of bis[2-{2-(α -pyridyl)methyl}imino-3-butanoneoximato]dicopper(II) nitrate methanolate	144
Magnetic properties of bis[2-{2-(α -pyridyl)ethyl}imino-3-butanone oximato]dicopper(II) perchlorate methanolate	146
Magnetic properties of diaqua-bis[2-{2-(α -pyridyl)ethyl}imino-3-butanone oximato]dicopper(II) perchlorate	148
Magnetic properties of squarate-O ¹ , O ² -bridged dinuclear copper(II) complex	150
Magnetic properties of squarate-O ¹ , O ³ -bridged dinuclear copper(II) complex	152
Magnetic properties of copper(II) chain with bridging oxamidato and nitrito ligands	154
Magnetic properties of <i>catena</i> -poly[bipyridyldithiocyanatecopper(II)]	156

Magnetic properties of Chevreul's salt, a mixed valence copper sulfite	158
Magnetic properties of tetrabutenoatodicopper(II) dimethylformamide	159
Magnetic properties of pentacopper cluster (12-metallacrown-4) complex containing 3-amino-3-hydroximino propanoic hydroximic acid	161
Magnetic properties of pentacopper cluster (12-metallacrown-4) complex containing 3-hydroximino butanoic hydroximic acid	163
Magnetic properties of first dicopper(II) complex of a new bis(1, 5, 9-triazacyclododecane) ligand	165
Magnetic properties of cyano bridged dinuclear copper(II) complex with tris(2-pyridylmethyl)amine	167
Magnetic properties of cyano bridged dinuclear copper(II) complex with tris(2-aminoethyl)amine	169
Magnetic properties of mononuclear copper(II) complex with tris(2-pyridylmethyl)amine	171
Magnetic properties of copper(II) dinuclear complex derived from $\mu_1, 3$ -azidobridging ligand and 1, 1, 4, 7, 7-pentamethyldiethylenetriamine	172
Magnetic properties of copper(II) dinuclear complex derived from $\mu_1, 3$ -azidobridging ligand and 1, 1, 4, 7, 7-pentaethyldiethylenetriamine	174
Magnetic properties of copper(II) dinuclear complex derived from $\mu_1, 3$ -azidobridging ligand and 4-ethyl-1, 1, 7, 7-tetramethyldiethylenetriamine	176
Magnetic properties of polynuclear chain complex, diaqua-2, 3-bis(2-pyridyl) pyrazinecopper(II) nitrate hydrate	178
Magnetic properties of polynuclear chain complex, diaqua-2, 3-bis(2-pyridyl) pyrazinecopper(II) triflate	180
Magnetic properties of polynuclear chain complex, diaqua-2, 3-bis(2-pyridyl) pyrazinecopper(II) tetrafluoroborate hydrate	182
Magnetic properties of polynuclear chain complex, diaqua-2, 3-bis(2-pyridyl) pyrazinecopper(II) perchlorate	184
Magnetic properties of copper(II) complex with 5-(2-hydroxybenzylidene)aminobenzopyrazole	186
Magnetic properties of bis{N, N'-ethylenebis-(ferrocenylmethylamine)} copper(II) nitrate dimethanol	187
Magnetic properties of bis(aminoguanidinium) hexabromocuprate(II)	189
Magnetic properties of diaqua (L-aspartato)copper(II)	191
Magnetic properties of {bis[(N, N, N', N'-tetramethylenediamine) copper(II)] [1, 3-propanediylbis(oxamato)cuprate(II)]}perchlorate	193
Magnetic properties of {bis[(N, N, N', N'', N''-pentaethyldiethylenetriamine)copper(II)] [1, 3-propanediylbis(oxamato)cuprate(II)]} perchlorate hemihydrate	195
Magnetic properties of {bis[(N, N, N', N'', N''-pentamethyldiethylenetriamine)copper(II)] [1, 3-propanediylbis(oxamato)cuprate(II)]} tetraphenylborate acetonitrile	197
Magnetic properties of {bis[(bis(3-aminopropyl)amine)-copper(II)][aqua-1, 3-propanediylbis(oxamato)cuprate(II)]} hexafluoro phosphate	199

Magnetic properties of {[bis(2, 2':6',2''-terpyridine)copper(II)][1, 3-propanediylbis(oxamato)cuprate(II)]}	201
Magnetic properties of bis(methylpyrazine) bridged complex of copper(II)	203
Magnetic properties of bis(pyridine) bridged complex of copper(II)	205
Magnetic properties of pyrazine bridged complex of copper(II)	206
Magnetic properties of pyridazine bridged complex of copper(II)	207
Magnetic properties of methylpyrazine bridged complex of copper(II)	209
Magnetic properties of copper(II) complex of 5-(α-furyl)-1-phenylpent-1-yne-3, 5-dione	210
Magnetic properties of copper(II) complex of 5-(α-pyridyl)-1-phenylpent-1-yne-3, 5-dione	211
Magnetic properties of copper(II) complex with 3-salicylidene acetylacetoneimino-N, N-bis(anthranilic acid)	212
Magnetic properties of copper(II) complex with 2, 2'-dihydroxyoxanilide	213
Magnetic properties of mixed ligand complex of copper(II) picrates with isonicotinic acid hydrazide	214
Magnetic properties of copper(II) complex of 3-(2-hydroxy-1-naphthyl)-5-(4-phenyl)-2-isoxazoline	215
Magnetic properties of copper(II) complex of 3-(2-hydroxy-1-naphthyl)-5-(4-chlorophenyl)-2-isoxazoline	216
Magnetic properties of copper(II) complex of 3-(2-hydroxy-1-naphthyl)-5-(4-methoxyphenyl)-2-isoxazoline	217
Magnetic properties of copper(II) complex with 5-mercapto-4-salicylideneimino-s-triazole	218
Magnetic properties of copper(II) complex with 4-(2-hydroxy naphthalideneimino)-5-mercapto-s-triazole	219
Magnetic properties of copper(II) complex with a tetradentate thioiminato Schiff-base ligand	220
Magnetic properties of copper(II) complex with a tetradentate thioiminato Schiff-base ligand	221
Magnetic properties of copper(II) complex with indan-1, 3-dione-2-isonicotinoyl hydrazone	222
Magnetic properties of copper(II) complex with polystyrene-anchored Schiff-base ligand	223
Magnetic properties of copper(II) complex with salicylaldehyde morpholine N-thiohydrazone	224
Magnetic properties of copper(II) complex with 2-hydroxyacetophenone morpholine N-thiohydrazone	225
Magnetic properties of homo trinuclear complex of copper(II) with methoxide and phenanthroline ligands	226
Magnetic properties of homo trinuclear complex of copper(II) with methoxide and dipyrityl ligands	227

Magnetic properties of homo trinuclear complex of copper(II) with isopropoxide and phenanthroline ligands	228
Magnetic properties of homo trinuclear complex of copper(II) with isopropoxide and dipyrityl ligands	229
Magnetic properties of hetero trinuclear complex of copper(II) and nickel(II), Cu₂Ni, with methoxide and phenanthroline ligands	230
Magnetic properties of hetero trinuclear complex of copper(II) and nickel(II), Cu₂Ni, with methoxide and dipyrityl ligands	231
Magnetic properties of hetero trinuclear complex of copper(II) and nickel(II) with isopropoxide and phenanthroline ligands	232
Magnetic properties of hetero trinuclear complex of copper(II) and nickel(II) with isopropoxide and dipyrityl ligands	233
Magnetic properties of copper(II) complex with ferrocenyl Schiff-base	234
Magnetic properties of copper(II) complex with ferrocenyl Schiff-base	235
Magnetic properties of copper(II) complex with ferrocenyl Schiff-base	236
Magnetic properties of copper(II) complex with ferrocenyl Schiff-base	237
Magnetic properties of copper(II) complex with ferrocenyl Schiff-base	238
Magnetic properties of copper(II) complex of 2, 4-dihydroxyacetophenone-2-iminoethanethiol	239
Magnetic properties of copper(II) complex of 2, 4-dihydroxybenzophenone-2-iminoethanethiol	240
Magnetic properties of copper(II) complex of 2, 4-dihydroxyacetophenone-2-iminobenzenethiol	241
Magnetic properties of copper(II) complex of 2, 4-dihydroxybenzophenone-2-iminobenzenethiol	242
Magnetic properties of homo trinuclear copper(II) Cu₃ complex of 4, 5, 8, 9-tetraza-1, 3, 10, 12-tetramethyl-1, 12-dioxo-6, 7-diphenyl-1, 3, 5, 7, 9, 11-dodecahexene	243
Magnetic properties of homo trinuclear copper(II) Cu₃ complex of 4, 5, 8, 9-tetraza-1, 3, 10, 12-tetramethyl-1, 12-dioxo-6, 7-diphenyl-1, 3, 5, 7, 9, 11-dodecahexene	244
Magnetic properties of homo trinuclear copper(II) Cu₃ complex of 4, 5, 8, 9-tetraza-1, 3, 10, 12-tetramethyl-1, 12-dioxo-6, 7-diphenyl-1, 3, 5, 7, 9, 11-dodecahexene	245
Magnetic properties of hetero trinuclear nickel(II) copper(II) Ni₂Cu complex of 4, 5, 8, 9-tetraza-1, 3, 10, 12-tetramethyl-1, 12-dioxo-6, 7-diphenyl-1, 3, 5, 7, 9, 11-dodecahexene	246
Magnetic properties of hetero trinuclear nickel(II) copper(II) Ni₂Cu complex of 4, 5, 8, 9-tetraza-1, 3, 10, 12-tetramethyl-1, 12-dioxo-6, 7-diphenyl-1, 3, 5, 7, 9, 11-dodecahexene	247
Magnetic properties of hetero trinuclear nickel(II) copper(II) Ni₂Cu complex of 4, 5, 8, 9-tetraza-1, 3, 10, 12-tetramethyl-1, 12-dioxo-6, 7-diphenyl-1, 3, 5, 7, 9, 11-dodecahexene	249

Magnetic properties of hetero trinuclear cobalt(II) copper(II) Co₂Cu complex of 4, 5, 8, 9-tetraza-1, 3, 10, 12-tetramethyl-1, 12-dioxo-6, 7-diphenyl-1, 3, 5, 7, 9, 11-dodecahexene	251
Magnetic properties of hetero trinuclear cobalt(II) copper(II) Co₂Cu complex of 4, 5, 8, 9-tetraza-1, 3, 10, 12-tetramethyl-1, 12-dioxo-6, 7-diphenyl-1, 3, 5, 7, 9, 11-dodecahexene	253
Magnetic properties of hetero trinuclear cobalt(II) copper(II) Co₂Cu complex of 4, 5, 8, 9-tetraza-1, 3, 10, 12-tetramethyl-1, 12-dioxo-6, 7-diphenyl-1, 3, 5, 7, 9, 11-dodecahexene	255
Magnetic properties of copper(II) complex of monophenylbutazone	257
Magnetic properties of copper(II) complex of 2-formylthiophene S-methyldithiocarbazate	258
Magnetic properties of copper(II) acetate complex of macrocycle ligand	259
Magnetic properties of copper(II) chloride complex with macrocycle ligand	260
Magnetic properties of copper(II) chloride complex with macrocycle ligand	261
Magnetic properties of copper(II)-zinc(II) heterobimetallic complex of tetradentate N₂O₂ donor Schiff-base	262
Magnetic properties of copper(II)-zinc(II) heterobimetallic complex of tetradentate N₂O₂ donor Schiff-base	263
Magnetic properties of copper(II)-zinc(II) heterobimetallic complex of tetradentate N₂O₂ donor Schiff-base	264
Magnetic properties of copper(II)-zinc(II) heterobimetallic complex of tetradentate N₂O₂ donor Schiff-base	265
Magnetic properties of copper(II) complex with oxyphenbutazone	266
Magnetic properties of copper(II) complex of Schiff-base ligand	267
Magnetic properties of copper(II) complex of Schiff-base ligand	268
Magnetic properties of copper(II) complex of Schiff-base ligand	269
Magnetic properties of copper(II) complex of Schiff-base ligand	271
Magnetic properties of dinuclear copper(II) complex with polydentate diazine ligand	273
Magnetic properties of copper(II) complex of bis(bismuthiol-1-yl)borate	275
Magnetic properties of copper(II) complex with 3-hydrazino-5, 6-diphenyl-1, 2, 4-triazine	276
Magnetic properties of copper(II) complex with <i>o</i>-hydroxyacetophenone-phenylhydrazone	277
Magnetic properties of copper(II) complex with 3-methyl-<i>o</i>-hydroxy-acetophenonephenylhydrazone	278
Magnetic properties of copper(II) complex with 4-methyl-<i>o</i>-hydroxy-acetophenonephenylhydrazone	279
Magnetic properties of copper(II) complex with 5-methyl-<i>o</i>-hydroxy-acetophenonephenylhydrazone	280

Magnetic properties of copper(II) complex with 3-chloro-<i>o</i>-hydroxy-acetophenonephenylhydrazone	281
Magnetic properties of copper(II) complex with 4-chloro-<i>o</i>-hydroxy-acetophenonephenylhydrazone	282
Magnetic properties of copper(II) complex with 5-chloro-<i>o</i>-hydroxyacetophenonephenylhydrazone	283
Magnetic properties of dimeric copper(II) complex of diacetylmonoximeisonicotinoyl hydrazone	284
Magnetic properties of copper(II) chloride complex with 1, 3-disuccinimide(4-phenyl-5-ethoxycarbonyl-6-methylpyrimidine-2-one)	285
Magnetic properties of dinuclear copper(II) chloride complex with 2, 3-dihydrazinoquinoxaline	286
Magnetic properties of mononuclear copper(II) complex with 13-membered macrocycle, 1, 5, 8, 11-tetra-azacyclotridecane-2, 4-dione	287
Magnetic properties of trinuclear lanthanum(III)-copper(II), La₂-Cu, complex with 13-membered macrocycle, 1, 5, 8, 11-tetra-azacyclo tridecane-2, 4-dione	288
Magnetic properties of copper(II) complex with 4-cinnamalideneamino-3-ethyl-5-mercapto-<i>s</i>-triazole	289
Magnetic properties of copper(II) complex with α-(2-hydroxyphenyl)-N-(2-nitrocyclohexyl)nitron	290
Magnetic properties of mixed ligand complex of copper(II) with α-(2-hydroxyphenyl)-N-(2-nitrocyclohexyl)nitron and salicylaldehyde	291
Magnetic properties of mixed ligand complex of copper(II) with α-(2-hydroxyphenyl)-N-(2-nitrocyclohexyl)nitron and salicylaloxime	292
Magnetic properties of mixed ligand complex of copper(II) with α-(2-hydroxyphenyl)-N-(2-nitrocyclohexyl)nitron and 8-hydroxyquinoline	293
Magnetic properties of mixed ligand complex of copper(II) with α-(2-hydroxyphenyl)-N-(2-nitrocyclohexyl)nitron and 2-hydroxypyridine	294
Magnetic properties of copper(II) complex with 2, 3-dihydro-2, 2, 4-trimethyl-1<i>H</i>-1, 5-benzodiazepine	295
Magnetic properties of copper(II) complex with 3-(3, 5-dimethylpyrazol-1-yl) quinoxaline-2-one	296
Magnetic properties of copper(II) chloride complex with azole based biheterocyclic ligand	297
Magnetic properties of copper(II) thiocyanate complex with azole based biheterocyclic ligand	298
Magnetic properties of copper(II) chloride complex with azole based biheterocyclic ligand	299
Magnetic properties of copper(II) thiocyanate complex with azole based biheterocyclic ligand	300
Magnetic properties of copper(II) complex with salicylidenevalinate ligand	301
Magnetic properties of copper(II) complex with salicylidenevalinate ligand	302

Magnetic properties of homo binuclear copper(II) imidazolate bridged complex	303
Magnetic properties of hetero binuclear copper(II)-nickel(II) imidazolate bridged complex	304
Magnetic properties of hetero binuclear copper(II)-zinc(II) imidazolate bridged complex	305
Magnetic properties of binuclear N₆ 22-membered tetraimine hexaazamacrocyclic copper(II) complex	306
Magnetic properties of binuclear N₆ 22-membered tetraimine hexaazamacrocyclic copper(II) complex	307
Magnetic properties of copper(II) complex of neutral tetradentate diamine ligand	308
Magnetic properties of copper(II) complex of neutral tetradentate diamine ligand	309
Magnetic properties of copper(II) complex of neutral tetradentate diamine ligand	310
Magnetic properties of copper(II) complex of neutral tetradentate diamine ligand	311
Magnetic properties of copper(II) complex of dibasic hexadentate Schiff-base	312
Magnetic properties of copper(II) complex of dibasic hexadentate Schiff-base	313
Magnetic properties of copper(II) complex of dibasic hexadentate Schiff-base	314
Magnetic properties of copper(II) complex of dibasic hexadentate Schiff-base	315
Magnetic properties of copper(II) complex of dibasic hexadentate Schiff-base	316
Magnetic properties of copper(II) complex of dibasic hexadentate Schiff-base	317
Magnetic properties of copper(II) complex of dibasic hexadentate Schiff-base	318
Magnetic properties of copper(II) complex of dibasic hexadentate Schiff-base	319
Magnetic properties of dinuclear oxamidato-bridged copper(II) complex	320
Magnetic properties of dinuclear oxamidato-bridged copper(II) complex	322
Magnetic properties of 6-amino-1, 3-dimethyl-5-nitrosouracilato (N⁵, N⁶) 2, 2'-bipyridine (N, N')-ethanol(O)-copper(II) nitrate	324
Magnetic properties of imidazolate-bridged trinuclear copper(II) complex	326
Magnetic properties of copper(II) complex with methyl substituted 1-hydroxy-2(1<i>H</i>)-pyridinethione	328
Magnetic properties of nitrosodicyanomethanide copper(II) complex with 1-methylimidazole	330
Magnetic properties of copper(II)-pteridine complex	332
Magnetic properties of imidazolate-bridged copper dimer with tris(2-pyridyl)-methylamine ligand	334
Magnetic properties of copper(II) complex with α-(ethylamino)methyl]-3- hydroxy-benzenemethanol	336
Magnetic properties of copper(II) complex with linear tetradentate Schiff-base	338
Magnetic properties of copper(II) complex with linear tetradentate Schiff-base	339
Magnetic properties of copper(II) complex with linear tetradentate Schiff-base	340

Magnetic properties of copper(II) complex with tripodal tetradentate Schiff-base	341
Magnetic properties of copper(II) complex with tripodal tetradentate Schiff-base	343
Magnetic properties of copper(II) complex with tripodal tetradentate Schiff-base	345
Magnetic properties of TCB bridged three dimensional network structure copper(II) complex	347
Magnetic properties of TCB bridged binuclear copper(II) complex	349
Magnetic properties of copper(II) complex with pyrazole derived ligand	351
Magnetic properties of copper(II) complex with pyrazole derived ligand	352
Magnetic properties of copper(II) complex with pyrazole derived ligand	353
Magnetic properties of copper(II) complex with pyrazole derived ligand	354
Magnetic properties of copper(II) complex with pyrazole derived ligand	355
Magnetic properties of copper(II) complex with pyrazole derived ligand	356
Magnetic properties of copper(II) complex with 1, 3-dimethylumazine	357
Magnetic properties of copper(II) complex with 1, 3, 6, 7-tetramethylumazine	359
Magnetic properties of copper(II) complex with chiral salen-type ligand	361
Magnetic properties of copper(II) complex with asymmetric tetraaminodiphenol macrocyclic ligand	363
Magnetic properties of hetero-dinuclear manganese(II)-copper(II) complex with asymmetric tetraaminodiphenol	364
Magnetic properties of copper(II) complex with neutral dibenzoinlidene- <i>o</i> -phenylenediamine	366
Magnetic properties of bimetallic copper(II) complex with neutral dibenzoinlidene- <i>p</i> -phenylenediamine	367
Magnetic properties of copper(II) complex with dibasic form of dibenzoinlidene- <i>o</i> -phenylenediamine	368
Magnetic properties of bimetallic copper(II) complex with dibasic form of dibenzoinlidene- <i>p</i> -phenylenediamine	369
Magnetic properties of bimetallic copper(II) complex having ferro-antiferro alternating chain structure containing μ -1, 1, 3-azido bridging ligand	370
Magnetic properties of copper(II) complex with 6-amino-1, 3-dimethyl-5-nitroso-uracil	372
Magnetic properties of copper(II) complex with dimethylvioluratic acid	374
Magnetic properties of (μ -oxalato)copper(II) complex with 1, 3-diaminopropane	376
Magnetic properties of (μ -oxalato)copper(II) complex with 1, 3-diaminopropane	378
Magnetic properties of (μ -oxalato)copper(II) complex with N-(2-aminoethyl)1, 3-propanediamine	380
Magnetic properties of copper(II) dichloro complex of 1, 3-dimethyl-lumazine	382
Magnetic properties of copper(II) dibromo complex of 1, 3-dimethylumazine	384
Magnetic properties of copper(II) dibromo complex of 1, 3, 6, 7-tetramethylumazine	385

Magnetic properties of hexanuclear copper compound with multidentate amino alcohol ligand having a propeller structure	386
Magnetic properties of dinuclear copper(II) complex of a 17-membered macrocyclic ligand	388
Magnetic properties of dinuclear copper(II) complex of a 17-membered macrocyclic ligand	390
Magnetic properties of tetranuclear copper(II) complex of a 17-membered macrocyclic ligand	392
Magnetic properties of tetranuclear copper(II) complex of a 17-membered macrocyclic ligand	394
Magnetic properties of tetranuclear copper(II) complex of a 17-membered macrocyclic ligand	396
Magnetic properties of tetranuclear copper(II) complex of a 17-membered macrocyclic ligand	398
Magnetic properties of mononuclear copper(II) complex of a 17-membered macrocyclic ligand	400
Magnetic properties of copper(II) complex with N, N'-bis(3-<i>tert</i>-butyl-5-methylsalicylidene)-2, 3-diamino-2, 3-dimethylbutane	401
Magnetic properties of copper(II) complex with N, N'-bis(3-<i>tert</i>-butyl-5-chlorosalicylidene)-2, 3-diamino-2, 3-dimethylbutane	402
Magnetic properties of copper(II) complex with N, N'-bis(2-hydroxy-3-<i>tert</i>-butyl-5-methylbenzyl)-2, 3-diamino-2, 3-dimethylbutane	403
Magnetic properties of copper(II) complex with N, N'-bis(2-hydroxy-3-<i>tert</i>-butyl-5-chlorobenzyl)-2, 3-diamino-2, 3-dimethylbutane	404
Magnetic properties of bis(1,3-diaminopropane)copper(II)	405
Magnetic properties of endogeneous alkoxo bridged dicopper(II) complex with 1, 3-bis[N-methyl-N-(2-pyridylethyl)amino]propan-2-ol and exogeneous pyrazolate ligands	407
Magnetic properties of endogeneous alkoxo bridged dicopper(II) complex with 1, 3-bis[N-methyl-N-(2-pyridylethyl)amino]propan-2-ol and exogeneous azide ligands	409
Magnetic properties of endogeneous alkoxo bridged dicopper(II) complex with 1, 3-bis[N-methyl-N-(2-pyridylethyl)amino]propan-2-ol and exogeneous acetate ligands	411
Magnetic properties of polynuclear copper(II) complex, Cu₂ with N, N'-bis(3-hydroxysalicylidene)-1, 3-diamino-2-propanol	413
Magnetic properties of μ-oxalato bridged binuclear copper(II) compound with 1, 4, 7-triazacyclononane	414
Magnetic properties of μ-oxalato bridged binuclear copper(II) compound with bis(3, 5-dimethylpyrazol-1-yl)methane	416
Magnetic properties of coordination compound having complex cation of manganese(II) and complex anion of copper(II)	418

Magnetic properties of dicarboxylato-bridged complex of dicopper(II), Cu₂ with phthalic acid and 1, 10-phenanthroline	420
Magnetic properties of di-μ-hydroxobridged dicopper(II) complex with N-salicylidenephénylhydrazine	422
Magnetic properties of di-μ-hydroxobridged dicopper(II) complex with N-salicylidene-<i>p</i>-tolyl-hydrazine	424
Magnetic properties of di-μ-hydroxobridged dicopper(II) complex with N-salicylidene-<i>p</i>-methoxyphenylhydrazine	426
Magnetic properties of mononuclear copper(II) chloro complex with N-salicylidenephénylhydrazine	428
Magnetic properties of mononuclear copper(II) chloro complex with N-salicylidene-<i>p</i>-tolyl-hydrazine	429
Magnetic properties of mononuclear copper(II) chloro complex with N-salicylidene-<i>p</i>-methoxyphenylhydrazine	430
Magnetic properties of mononuclear copper(II) chloro complex with N-salicylidene-<i>p</i>-chlorophénylhydrazine	431
Magnetic properties of dinuclear copper(II) chloro complex with N-salicylidenephénylhydrazine	432
Magnetic properties of dinuclear copper(II) chloro complex with N-salicylidene-<i>p</i>-tolyl-hydrazine	433
Magnetic properties of mononuclear copper(II) nitrato complex with N-salicylidenephénylhydrazine	435
Magnetic properties of dinuclear copper(II) complex with N-salicylidene phenylhydrazine	436
Magnetic properties of dinuclear copper(II) aqua complex with N-salicylidene-<i>p</i>-tolyl-hydrazine	438
Magnetic properties of mononuclear copper(II) thiocyanato complex with N-salicylidenephénylhydrazine	440
Magnetic properties of mononuclear copper(II) thiocyanato complex with N-salicylidene-<i>p</i>-tolylhydrazine	442
Magnetic properties of mononuclear copper(II) thiocyanato complex with N-salicylidene-<i>p</i>-methoxyhydrazine	444
Magnetic properties of copper(II) thiocyanato complex with N, N-diethylamino-ethanol	446
Magnetic properties of copper(II) thiocyanato complex with N, N-dimethylamino-ethanol	448
Magnetic properties of mixed-valence copper(I, II) α, β-unsaturated acrylate complex with triphenylphosphine and methanol ligands	450
Magnetic properties of mixed-valence copper(I, II) α, β-unsaturated methyl acrylate complex with triphenylphosphine and methanol ligands	452
Magnetic properties of dimeric, dichloro-bridged copper(II) complex with benzoylhydrazone of 2-pyridine-carboxaldehyde	455

Magnetic properties of polymeric copper(II) complex with <i>p</i> -methoxy-benzoylhydrazone of 2-pyridine-carboxaldehyde	457
Magnetic properties of dimeric, copper(II) complex with benzoylhydrazone of 2-pyridine-carboxaldehyde	459
Magnetic properties of dimeric copper(II) complex with <i>p</i> -methoxybenzoylhydrazone of 2-pyridine-carboxaldehyde	461
Magnetic properties of anhydrous copper(II) hexanoate	463
Magnetic properties of aqua-N-salicylidene-L-serinatocopper(II) monohydrate	465
Magnetic properties of copper(II) complex with nicotinamide	467
Magnetic properties of copper(II) complex with nicotinamide	469
Magnetic properties of binuclear copper(II) complex with {2, 6-bis[(N-methyl-piperazin-1-yl)methyl]-4-bromophenol}	470
Magnetic properties of copper(II) complex with 6-amino-5-formyl-1, 3-dimethyluracilato-(N6)-benzoylhydrazone	472
Magnetic properties of copper(II) complex with 6-amino-5-formyl-1, 3-dimethyluracilato-(N6)-benzoylhydrazone	474
Magnetic properties of copper(II) complex with 6-amino-5-formyl-1, 3-dimethyluracilato-(N6)-benzoylhydrazone	476
Magnetic properties of copper(II) complex with 6-amino-5-formyl-1, 3-dimethyluracilato-(N6)-benzoylhydrazone	478
Magnetic properties of copper(II) complex with 6-amino-5-formyl-1, 3-dimethyluracilato-(N6)-benzoylhydrazone	479
Magnetic properties of copper(II) sulfate complex with 6-amino-5-formyl-1, 3-dimethyluracilato-(N6)-benzoylhydrazone	480
Magnetic properties of copper(II) complex of bis-tetradentate Schiff-base ligands	482
Magnetic properties of copper(II) complex of bis-tetradentate Schiff-base ligands	484
Magnetic properties of mixed ligand copper(II) complex of bis-tetradentate Schiff-base and azide ligands	486
Magnetic properties of dicopper(II) complex with 2-hydroxy-5-nitrobenzaldehyde benzoylhydrazone	488
Magnetic properties of pentafluoropropionate bridged copper(II)-nitroxide complex	490
Magnetic properties of binuclear μ -oxalato copper(II) complex with 3, 3'-diamino-N-methyldipropylamine	492
Magnetic properties of binuclear copper(II) complex with 3, 3'-diamino-N-methyldipropylamine	494
Magnetic properties of dinuclear copper(II) complex with levulinic acid	496
Magnetic properties of mononuclear copper(II) complex with levulinic acid and pyridine	498
Magnetic properties of mononuclear copper(II) complex with levulinic acid and 2, 2'-bipyridine	499

Magnetic properties of polynuclear copper(II) complex with levulinic acid and triphenylphosphine	500
Magnetic properties of copper(II) complex with polyfunctional nitroxide	502
Magnetic properties of binuclear copper(II) complex with polyfunctional nitroxide	504
Magnetic properties of anhydrous binuclear copper(II) complex with polyfunctional nitroxide	507
Magnetic properties of copper(II) complex with antipyrine Schiff-base derivative	509
Magnetic properties of copper(II) complex with antipyrine Schiff-base derivative	510
Magnetic properties of copper(II) complex with antipyrine Schiff-base derivative	511
Magnetic properties of copper(II) complex with antipyrine Schiff-base derivative	512
Magnetic properties of copper(II) complex with antipyrine Schiff-base derivative	513
Magnetic properties of copper(II) complex with antipyrine Schiff-base derivative	514
Magnetic properties of copper(II) complex with antipyrine Schiff-base derivative	515
Magnetic properties of dinuclear copper(II) complex with macrocyclic Schiff-base ligand derived from 2, 6-diformyl-4-methylphenol and α-ω-diamine	516
Magnetic properties of dinuclear copper(II) complex with macrocyclic Schiff-base ligand derived from 2, 6-diformyl-4-methylphenol and α-ω-diamine	518
Magnetic properties of dinuclear copper(II) complex with macrocyclic Schiff-base ligand of 2, 6-diformyl-4-methylphenol and α-ω-diamine	520
Magnetic properties of dinuclear copper(II) complex with macrocyclic Schiff-base ligand derived from 2, 6-diformyl-4-methylphenol and α-ω-diamine	522
Magnetic properties of copper(II)-gadolinium(III) complex of N, N'-bis(3-formyl-5-methylsalicylidene)-1, 3-propanediamine	523
Magnetic properties of cyano-bridged polymeric mixed valence Cu^{II}/Cu^I complex with diethylenetriamine	525
Magnetic properties of copper(II) complex with D-Gluconic acid	527
Magnetic properties of dicopper(II) complex of dinucleating fully saturated macrocycle	528
Magnetic properties of dicopper(II) complex of dinucleating fully saturated macrocycle	530
Magnetic properties of dicopper(II) complex of dinucleating fully saturated macrocycle	532
Magnetic properties of dicopper(II) complex of dinucleating fully saturated macrocycle	534
Magnetic properties of dicopper(II) complex of dinucleating fully saturated macrocycle	536
Magnetic properties of dicopper(II) complex of dinucleating macrocycle	538
Magnetic properties of dicopper(II) complex of dinucleating macrocycle	540
Magnetic properties of copper(II) complex with 1, 3, 5-tris(pyrazol-1-ylmethyl)benzene	542

Magnetic properties of homo-bimetallic copper(II), Cu₂, complex with 1, 3, 5-tris(pyrazol-1-ylmethyl)benzene	543
Magnetic properties of homo trimetallic copper(II), Cu₃, complex with 1, 3, 5-tris(pyrazol-1-ylmethyl)benzene	545
Magnetic properties of dinuclear copper(II) complex with polydentate hydrazonic ligand	546
Magnetic properties of dinuclear copper(II) bromo complex with 3, 6-bis(di-2-pyridylmethyl)pyridazine	548
Magnetic properties of dinuclear copper(II) chloro complex with 3, 6-bis(di-2-pyridylmethyl)pyridazine	550
Magnetic properties of dinuclear copper(II) complex with 3, 6-bis(di-2-pyridylmethyl)pyridazine	552
Magnetic properties of tetraaquacopper(II) diaquabis(malonato) cuprate(II)	554
Magnetic properties of polymeric, copper(II) complex with 1<i>H</i>-1, 2, 4-triazolo-3, 5-dicarboxylate and dien	555
Magnetic properties of copper(II) complex with N, N'-bis[2-dimethylamino]ethyl]oxamide	557
Magnetic properties of dinuclear copper(II) complex containing dimethylglyoxime	559
Magnetic properties of dinuclear copper(II) complex containing dimethylglyoxime	561
Magnetic properties of trinuclear copper(II) complex containing dimethylglyoxime	563
Magnetic properties of dinuclear copper(II) complex with 1, 1'-(4-methylpyrazol-3, 5-diyl)diacetaldehyde dioxime	565
Magnetic properties of imidazolate-bridged polymeric copper(II) complex	567
Magnetic properties of imidazole-bridged tetranuclear copper(II) complex	569
Magnetic properties of linear trinuclear copper(II) complex with chloride and 4-amino-3, 5-bis(hydroxymethyl)-1, 2, 4-triazole as bridging ligands	571
Magnetic properties of (μ-hydroxo)(μ-acetato)dicopper(II) complex containing chelating amine (tmen)	573
Magnetic properties of (μ-hydroxo)(μ-acetato)dicopper(II) complex containing chelating a amine (dmen)	575
Magnetic properties of dinuclear chloro-hexaazamacrocyclic complex of copper(II)	577
Magnetic properties of dinuclear nitrato-hexaazamacrocyclic complex of copper(II)	578
Magnetic properties of dinuclear chloro-hexaazamacrocyclic complex of copper(II)	579
Magnetic properties of dinuclear nitrato-hexaazamacrocyclic complex of copper(II)	580
Magnetic properties of dinuclear chloro-hexaazamacrocyclic complex of copper(II)	581
Magnetic properties of bis(trialkylphosphine)oxide complex of copper(II)	582
Magnetic properties of dinuclear dimethylglyoximato complex of copper(II) with a new coordination mode of oximate ligand	583
Magnetic properties of linear chain copper(II) compound with bridging chloride and oxamidate ligands	585

Magnetic properties of copper(II) complex with diisopropylsalicylate and dimethylsulphoxide	587
Magnetic properties of copper(II) complex with 3, 5-diisopropylsalicylate and phenanthroline	588
Magnetic properties of copper(II) complex with 3, 5-diisopropylsalicylate and phenanthroline	589
Magnetic properties of copper(II) complex with 3, 5-diisopropylsalicylate and 2,9-dimethyl-1, 10-phenanthroline	590
Magnetic properties of copper(II) complex with 3, 5-diisopropylsalicylate and 4,7-diphenyl-1, 10-phenanthroline	591
Magnetic properties of copper(II) complex with 3, 5-diiodosalicylate and water	592
Magnetic properties of copper(II) complex with 3, 5-diiodosalicylate and 1, 10-phenanthroline	593
Magnetic properties of copper(II) complex with 3, 5-dinitrosalicylate and water	594
Magnetic properties of copper(II) complex with terpyridine and pseudo-halide	595
Magnetic properties of copper(II) complex with terpyridine and pseudo-halide	597
Magnetic properties of copper(II) complex with terpyridine and pseudo-halide	599
Magnetic properties of copper(II) complex with terpyridine and pseudo-halide	601
Magnetic properties of copper(II) complex with terpyridine and pseudo-halide	603
Magnetic properties of copper(II) complex with terpyridine and pseudo-halide	605
Magnetic properties of copper(II) complex with terpyridine and pseudo-halide	607
Magnetic properties of copper(II) complex with terpyridine and pseudo-halide	609
Magnetic properties of imidazolato and chloro-bridged hexanuclear copper(II) complex with 1, 1, 6, 6-tetrakis-(imidazol-2-yl)-2, 5-diazahehexane	611
Magnetic properties of copper(II) complex with quinquedentate pentaazamacrocyclic	613
Magnetic properties of copper(II) complex with quinquedentate pentaazamacrocyclic	614
Magnetic properties of acetato bridged tetranuclear copper(II) complex with 1, 3-bis(dimethylamino)propan-2-ol	615
Magnetic properties of trifluoroacetato bridged trinuclear, CuLa complex with 1, 3-bis(dimethylamino)propan-2-ol	617
Magnetic properties of octanuclear Cu₆Y₂ complex with 1, 3-bis(dimethylamino)propan-2-ol	619
Magnetic properties of μ-hydroxo dicopper^(II) complex with furan-based hexaminocryptand	621
Magnetic properties of μ-hydroxo dicopper(II) complex with furan-based octaaminocryptand	623
Magnetic properties of μ-imidazole dicopper(II) complex with furan-based octaaminocryptand	625
Magnetic properties of 1, 3-μ-azido dicopper(II) complex with furan based octaaminocryptand	627

Magnetic properties of μ -imidazole dicopper(II) complex with tetraaminocryptland	628
Magnetic properties of unsymmetrical macrocyclic binuclear copper(II) complex	629
Magnetic properties of unsymmetrical macrocyclic binuclear copper(II) complex	631
Magnetic properties of unsymmetrical macrocyclic binuclear copper(II) complex	633
Magnetic properties of unsymmetrical macrocyclic binuclear copper(II) complex	635
Magnetic properties of copper(II) complex with bridging <i>trans</i> -oxamidate and azide	637
Magnetic properties of dimeric copper(II) pyridone complex containing 2, 2'-bipyridyl ligand	640
Magnetic properties of monomeric copper(II) pyridone complex containing 2, 2'-bipyridyl ligand	641
Magnetic properties of binuclear copper(II) complex of an unsymmetrical pentadentate Schiff-base ligand	642
Magnetic properties of copper(II) dimer containing pyridine-2-carbaldehyde thiosemicarbazone	644
Magnetic properties of polymeric copper (II) complex with pyridazine	646
Magnetic properties of trimetallic copper (II), Cu ₃ complex with pyridazine	648
Magnetic properties of copper (II) complex with bipyrimidine and croconic acid	650
Magnetic properties of two-dimensional sheet like copper(II) complex with bridging pyridine-4-carboxylate and <i>trans</i> -oxamidate ligands	652
Magnetic properties of one-dimensional end-to-end cyanate-bridged copper(II) compound	654
Magnetic properties of copper (II) complex with pyridylmethyl pendant-armed derivative of O ₂ N ₂ donor macrocyclic ligand	657
Magnetic properties of copper(II) complex with pyridylmethyl pendant-armed derivative of O ₂ N ₂ donor macrocyclic ligand	658
Magnetic properties of copper(II) complex with pyridylmethyl pendant-armed derivative of O ₂ N ₂ donor macrocyclic ligand	659
Magnetic properties of dinuclear copper(II) complex with bridging azide and oxamidate ligands	660
Magnetic properties of copper(II) chain with bridging azide and oxamidate ligands	662
Magnetic properties of copper(II) hydroxy hexylsulphates	664
Magnetic properties of copper (II) hydroxide acetate	665
Magnetic properties of intramolecularly H-bonded carboxylate copper(II) dimer complex having methanol solvent	667
Magnetic properties of intramolecularly H-bonded carboxylate copper(II) dimer complex having acetonitrile solvent	669
Magnetic properties of bimetallic heptanuclear cyano bridged iron(II)-copper(II) complex with tris(2-pyridylmethyl)amine	671
Magnetic properties of copper (II) complex of <i>p-tert</i> -butyltetrahiacalix[4]- arene	673

Magnetic properties of 3-D network of self-assembled tetranuclear copper(II) aggregates having chiral channels	675
Magnetic properties of copper(II) complex with {N-[4-(aminophenyl)sulfonyl]acetamide}	677
Magnetic properties of copper(II) complex with {N-[4-(aminophenyl)sulfonyl]acetamide}	678
Magnetic properties of copper(II) complex with sulfanilamide	679
Magnetic properties of copper(II) complex with D-glucose	681
Magnetic properties of copper(II) complex with D-glucose	682
Magnetic properties of copper(II) complex with D-fructose	683
Magnetic properties of copper(II) complex with D-galactose	684
Magnetic properties of copper(II) complex with D-glucose	685
Magnetic properties of copper(II) complex with D-fructose	686
Magnetic properties of copper(II) complex with D-galactose	687
Magnetic properties of copper(II) complex with D-xylose	688
Magnetic properties of copper(II) complex with D-ribose	689
Magnetic properties of copper(II) complex with D-maltose	690
Magnetic properties of dinuclear copper(II) complex with diclofenac	691
Magnetic properties of dinuclear copper(II) complex with diclofenac	692
Magnetic properties of mixed ligand copper(II) complex of semicarbazone and pyridine	694
Magnetic properties of mixed ligand copper(II) complex of thiosemicarbazone and pyridine	695
Magnetic properties of μ-imidazolato-dicopper(II) complex with a binucleating hexaazamacrocyclic	696
Magnetic properties of copper(II) complex with 2, 4-diaminopyrimidine derivative	699
Magnetic properties of copper(II) chloride complex with 2-methylaminopyridine	700
Magnetic properties of copper(II) bromide complex with 2-methylaminopyridine	701
Magnetic properties of copper(II) nitrate complex with 2-methylaminopyridine	702
Magnetic properties of copper(II) thiocyanate complex with 2-methylaminopyridine	703
Magnetic properties of copper(II) perchlorate complex with 2-methylaminopyridine	704
Magnetic properties of copper(II) sulphate complex with 2-methylaminopyridine	705
Magnetic properties of aqua-glycylglycinato-imidazole-copper(II)	706
Magnetic properties of copper(II) complex with 8-quinolinsulfonamide	707
Magnetic properties of copper(II) chloride complex with 2-methyl-3-amino(3<i>H</i>)-quinazolin-4-one	708
Magnetic properties of copper(II) bromide complex with 2-methyl-3-amino(3<i>H</i>)-quinazolin-4-one	709

Magnetic properties of copper(II) perchlorate complex with 2-methyl-3-amino(3 <i>H</i>)-quinazolin-4-one	710
Magnetic properties of copper(II) nitrate complex with 2-methyl-3-amino(3 <i>H</i>)-quinazolin-4-one	711
Magnetic properties of copper(II) sulphate complex with 2-methyl-3-amino(3 <i>H</i>)-quinazolin-4-one	712
Magnetic properties of copper(II) thiocyanate complex with 2-methyl-3-amino(3 <i>H</i>)-quinazolin-4-one	713
Magnetic properties of dimeric copper(II) complex of a tetraamino-tetrathioether ligand	714
Magnetic properties of ternary copper(II) complex of anticonvulsant drug valproate with 2, 2'-bipyridine	715
Magnetic properties of ternary copper(II) complex of anticonvulsant drug valproate with 1, 10-phenanthroline	717
Magnetic properties of ternary copper(II) complex of anticonvulsant drug valproate with 2, 9-dimethyl-1, 10-phenanthroline	719
Magnetic properties of polynuclear/monometallic copper(II) complex of anticonvulsant drug valproate with 4, 4'-bipyridine	721
Magnetic properties of polynuclear/bimetallic copper(II), Cu ₂ complex of anticonvulsant drug valproate with 4, 4'-bipyridine	723
Magnetic properties of dinuclear copper(II) complex with valproate ligand	725
Magnetic properties of copper(II) complex with imidazole derivative	726
Magnetic properties of copper(II) complex with cinoxacin	728
Magnetic properties of copper(II) complex with acetate and 6-methyl-2-formylpyridinethiosemicarbazone	729
Magnetic properties of copper(II) complex with acetate and 2-formylpyridine-4'-methylthiosemicarbazone	730
Magnetic properties of copper(II) complex with trifluoroacetate and 6-methyl-2-formylpyridinethiosemicarbazone	731
Magnetic properties of copper(II) complex with trifluoroacetate and 2-formylpyridine-4'-methylthiosemicarbazone	732
Magnetic properties of copper(II) complex with pentafluorothiophenolate and 6-methyl-2-formylpyridinethiosemicarbazone	733
Magnetic properties of copper(II) complex with pentathiophenolate and 2-formylpyridine-4'-methylthiosemicarbazone	734
Magnetic properties of copper(II) complex with bipyridine and 6-methyl-2-formylpyridinethiosemicarbazone	735
Magnetic properties of copper(II) complex with 2, 2'-bipyridine and 6-methyl-2-formylpyridinethiosemicarbazone	736
Magnetic properties of copper(II) complex with 2, 2'-bipyridine and 2-formylpyridine-4'-methylthiosemicarbazone	737

Magnetic properties of copper(II) complex with 4-dimethylaminopyridine and 6-methyl-2-formylpyridinethiosemicarbazone	738
Magnetic properties of copper(II) complex with 4-dimethylaminopyridine and 2-formylpyridine-4'-methylthiosemicarbazone	739
Magnetic properties of copper(II) complex with <i>para</i>-tritylphenolate and 6-methyl-2-formylpyridinethiosemicarbazone	740
Magnetic properties of copper(II) complex with <i>para</i>-tritylphenolate and 2-formylpyridine-4'-methylthiosemicarbazone	741
Magnetic properties of copper(II) complex with hydrogenphosphate and 6-methyl-2-formylpyridinethiosemicarbazone	742
Magnetic properties of copper(II) complex with hydrogenphosphate and 2-formylpyridine-4'-methylthiosemicarbazone	743
Magnetic properties of copper(II) complex with 2-formylpyridine-2'-methylthiosemicarbazone	744
Magnetic properties of copper(II) complex with 2-formylpyridine-2'-methylthiosemicarbazone	745
Magnetic properties of copper(II) bromo complex with β-ketonimine (spectral and redox model for blue copper protein)	746
Magnetic properties of copper(II) chloro complex with β-ketonimine (spectral and redox model for blue copper protein)	747
Magnetic properties of copper(II) bromo complex with β-ketonimine (spectral and redox model for blue copper protein)	748
Magnetic properties of copper(II) chloro complex with β-ketonimine (spectral and redox model for blue copper protein)	749
Magnetic properties of copper(II) acetato complex with β-ketonimine (spectral and redox model for blue copper protein)	750
Magnetic properties of copper(II) acetato complex with β-ketonimine (spectral and redox model for blue copper protein)	751
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	752
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	753
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	754
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	755
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	756
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	757
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	759

Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	761
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	762
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	763
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	765
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	766
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	767
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	768
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	769
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	770
Magnetic properties of alkoxo-oxygen bridged copper(II) complex with tridentate Schiff-base	772
Magnetic properties of dinuclear copper(II) complex containing aminoalcoholate	773
Magnetic properties of dinuclear copper(II) complex with an asymmetric double pyrazolate bridge	775
Magnetic properties of Cu₃, homo-trinuclear copper(II) complex bridged by dimethylglyoxime group	777
Magnetic properties of Cu₃, homo-trinuclear copper(II) complex bridged by dimethylglyoxime group	779
Magnetic properties of di-μ-pyrazolate copper(II) complex	781
Magnetic properties of polymeric copper(II) complex with quinic acid, with copper as chiral centre	783
Magnetic properties of polymeric copper(II) complex with quinic acid, with copper as chiral centre	784
Magnetic properties of dimeric copper(II) complex with quinic acid	785
Magnetic properties of dinuclear chloro-hexaazamacrocyclic complex of copper(II)	786
Magnetic properties of dinuclear nitrato-hexaazamacrocyclic complex of copper(II)	787
Magnetic properties of copper(II) complex with benzoylglycine	788
Magnetic properties of copper(II) complex with ethylphthaloylglycine	789
Magnetic properties of copper(II) complex with uric acid	790
Magnetic properties of copper(II) chelate of sulphur containing oximes	791
Magnetic properties of copper(II) chelate of sulphur containing oximes	792

Magnetic properties of copper(II) chelate of sulphur containing oximes	793
Magnetic properties of copper(II) chelate of sulphur containing oximes	794
Magnetic properties of copper(II) chloro complex with 2-formylpyridine-3-piperidinylthiosemicarbazone	795
Magnetic properties of copper(II) bromo complex with 2-formylpyridine-3-piperidinylthiosemicarbazone	796
Magnetic properties of copper(II) chloro complex with 2-formylpyridine-3-hexamethyleneiminyl-thiosemicarbazone	797
Magnetic properties of copper(II) bromo complex with 2-formylpyridine-3-hexamethyleneiminyl-thiosemicarbazone	798
Magnetic properties of copper(II) chloro complex with 2-formylpyridine-3-azabicyclo[3.2.2]nonylthiosemicarbazone	799
Magnetic properties of copper(II) bromo complex with 2-formylpyridine-3-azabicyclo[3.2.2]nonylthiosemicarbazone	800
Magnetic properties of dinuclear copper(II) complex with N, N'-bis(2-hydroxyethyl)-oxamide	801
Magnetic properties of mononuclear copper(II) complex with N, N'-bis(2-hydroxyethyl)-oxamide	802
Magnetic properties of copper(II) chloro complex with neutral malonamide	803
Magnetic properties of polymeric copper(II) chloro complex with neutral malonamide	804
Magnetic properties of copper(II) bromo complex with neutral malonamide	805
Magnetic properties of polymeric copper(II) bromo complex with neutral malonamide	806
Magnetic properties of polymeric copper(II) complex with deprotonated malonamide	807
Magnetic properties of copper(II) chloro complex of 2-acetylpyridine-⁴N-propylthiosemicarbazone	808
Magnetic properties of copper(II) bromo complex of 2-acetylpyridine-⁴N-propylthiosemicarbazone	809
Magnetic properties of copper(II) chloro complex of 2-acetylpyridine-⁴N-isopropylthiosemicarbazone	810
Magnetic properties of copper(II) bromo complex of 2-acetylpyridine-⁴N-isopropylthiosemicarbazone	811
Magnetic properties of copper(II) chloro complex of 2-acetylpyridine-⁴N-butylthiosemicarbazone	812
Magnetic properties of copper(II) bromo complex of 2-acetylpyridine-⁴N-butylthiosemicarbazone	813
Magnetic properties of copper(II) chloro complex of 2-acetylpyridine-⁴N-<i>sec</i>-butylthiosemicarbazone	814
Magnetic properties of copper(II) bromo complex of 2-acetylpyridine-⁴N-<i>sec</i>-butylthiosemicarbazone	815
Magnetic properties of copper(II) chloro complex of 2-acetylpyridine-⁴N-<i>iso</i>-butylthiosemicarbazone	816

Magnetic properties of copper(II) bromo complex of 2-acetylpyridine- ⁴ N- <i>iso</i> -butylthiosemicarbazone	817
Magnetic properties of copper(II) chloro complex of 2-acetylpyridine- ⁴ N- <i>tert</i> -butylthiosemicarbazone	818
Magnetic properties of copper(II) bromo complex of 2-acetylpyridine- ⁴ N- <i>tert</i> -butylthiosemicarbazone	819
Magnetic properties of copper(II) chloro complex of 2-acetylpyridine- ⁴ N-pentylthiosemicarbazone	820
Magnetic properties of copper(II) bromo complex of 2-acetylpyridine- ⁴ N-pentylthiosemicarbazone	821
Magnetic properties of copper(II) chloro complex of 2-acetylpyridine- ⁴ N-cyclopentylthiosemicarbazone	822
Magnetic properties of copper(II) bromo complex of 2-acetylpyridine- ⁴ N-cyclopentylthiosemicarbazone	823
Magnetic properties of copper(II) chloro complex of 2-acetylpyridine- ⁴ N-hexylthiosemicarbazone	824
Magnetic properties of copper(II) bromo complex of 2-acetylpyridine- ⁴ N-hexylthiosemicarbazone	825
Magnetic properties of copper(II) complex with lactic acid	826
Magnetic properties of copper(II)-gadolinium(III) heterobinuclear oxamido bridged complex	827
Magnetic properties of copper(II) perchlorate complex with 12-membered tetra-imine macrocycle	829
Magnetic properties of copper(II) chloride complex with 12-membered tetra-imine macrocycle	830
Magnetic properties of copper(II) bromide complex with 12-membered tetra-imine macrocycle	831
Magnetic properties of copper(II)-silicon(IV)-copper(II) heterotrinnuclear complex with triethylenetetramine	832
Magnetic properties of copper(II) complex with <i>o</i> -hydroxynaphthaldehyde isonicotinoyl hydrazone	833
Magnetic properties of copper(II) complex with salicylaldehyde isonicotinoyl hydrazone	834
Magnetic properties of μ -phenoxo-bridged binuclear copper(II) complex	835
Magnetic properties of μ -phenoxo-bridged binuclear copper(II) complex	837
Magnetic properties of copper(II) complex with pyridoxal -N ⁴ -methylthiosemicarbazone	839
Magnetic properties of copper(II) complex with pyridoxal -N ⁴ -ethylthiosemicarbazone	841
Magnetic properties of copper(II) complex with pyridoxal -N ⁴ -phenylthiosemicarbazone	843

Magnetic properties of copper(II) complex with 6-methyl-2-formylpyridinethiosemicarbazone	845
Magnetic properties of copper(II) complex with 6-methyl-2-formylpyridine-⁴N-methyl-thiosemicarbazone	846
Magnetic properties of copper(II) complex with 6-methyl-2-formylpyridine-⁴N-ethyl-thiosemicarbazone	847
Magnetic properties of copper(II) complex with 6-methyl-2-formylpyridine-⁴N-phenyl-thiosemicarbazone	848
Magnetic properties of copper(II) complex with 6-methyl-2-formylpyridine-⁴N-dimethyl-thiosemicarbazone	849
Magnetic properties of copper(II) complex with 6-methyl-2-formylpyridine-⁴N-diethyl-thiosemicarbazone	850
Magnetic properties of copper(II) complex with 6-methyl-2-formylpyridine-⁴N-dipropyl-thiosemicarbazone	851
Magnetic properties of copper(II) complex with 6-methyl-2-formylpyridine-3-pyrrolidinyl-thiosemicarbazone	852
Magnetic properties of copper(II) complex with 6-methyl-2-formylpyridine-3-piperidinyl-thiosemicarbazone	853
Magnetic properties of copper(II) complex with 6-methyl-2-formylpyridine-3-hexamethyleneiminyl-thiosemicarbazone	854
Magnetic properties of acetato-bis(di-2-pyridylamine)copper(II)-tetrafluoroborate	855
Magnetic properties of μ-carbonato tetrakis(di-2-pyridylamine) copper(II) tetrafluoroborate	857
Magnetic properties of chromato bridged dinuclear copper(II) complex containing bis(2-pyridylcarbonyl)-amide anion	859
Magnetic properties of sulfato bridged dinuclear copper(II) complex containing bis(2-pyridylcarbonyl)-amide anion	861
Magnetic properties of oxalato bridged dinuclear copper(II) complex containing bis(2-pyridylcarbonyl)-amide anion	863
Magnetic properties of oxalato bridged dinuclear copper(II) anhydrous complex containing bis(2-pyridylcarbonyl)-amide anion	865
Magnetic properties of copper(II) chloro complex with 2-formylpyridine-N(4) antipyrinylthiosemicarbazone	867
Magnetic properties of copper(II) bromo complex with 2-formylpyridine-N(4) antipyrinylthiosemicarbazone	868
Magnetic properties of copper(II) acetato complex with 2-formylpyridine-N(4) antipyrinylthiosemicarbazone	869
Magnetic properties of copper(II) complex with 2-formylpyridine-N(4) antipyrinylthiosemicarbazone	870
Magnetic properties of copper(II) complex with bis(<i>o</i>-aminobenzenethio)propane	871
Magnetic properties of copper(II) complex with bis(<i>o</i>-aminobenzenethio)butane	872

Magnetic properties of a monomeric, binuclear $\text{Cu}^{\text{I}}\text{-Cu}^{\text{II}}$ complex with macrocyclic ligand derived from bis(<i>o</i> -aminobenzenethio)ethane and 2,6-diacetylpyridine	873
Magnetic properties of a binuclear binuclear $\text{Cu}^{\text{I}}\text{-Cu}^{\text{II}}$ complex with macrocyclic ligand derived from bis(<i>o</i> -aminobenzenethio)propane and 2,6-diacetylpyridine	874
Magnetic properties of a dinuclear binuclear $\text{Cu}^{\text{I}}\text{-Cu}^{\text{II}}$ complex with macrocyclic ligand derived from bis(<i>o</i> -aminobenzenethio)butane and 2,6-diacetylpyridine	875
Magnetic properties of copper(II) complex of 4-(sulfonfylazido)phenylazopyrazolone	876
Magnetic properties of copper(II) complex of 4-(sulfonfylazido)phenylazopyrazolone	877
Magnetic properties of copper(II) complex of 4-(sulfonfylazido)phenylazopyrazolone	878
Magnetic properties of binuclear copper(II) complex with binucleating tetraamino-tetrathioether ligand	879
Magnetic properties of copper(II) complex of phenylglyoxal <i>bis</i> { <i>N</i> (3-methylamino)}-thiosemicarbazone	880
Magnetic properties of copper(II) complex of phenylglyoxal <i>bis</i> { <i>N</i> (3-dimethylamino)}-thiosemicarbazone	881
Magnetic properties of copper(II) complex of phenylglyoxal <i>bis</i> { <i>N</i> (3-piperidinyl)}-thiosemicarbazone	882
Magnetic properties of copper(II) complex of 1-phenylpropane-1,2-dione <i>bis</i> { <i>N</i> (3-methylamino)}-thiosemicarbazone	883
Magnetic properties of copper(II) complex of 1-phenylpropane-1,2-dione <i>bis</i> { <i>N</i> (3-dimethylamino)}-thiosemicarbazone	884
Magnetic properties of copper(II) complex of 1-phenylpropane-1,2-dione <i>bis</i> { <i>N</i> (3-piperidinyl)}-thiosemicarbazone	885
Magnetic properties of copper(II) complex with 2-hydroxynaphthalene-1-carboxaldehyde	886
Magnetic properties of copper(II) complex with 2-hydroxynaphthalene-1-carboxaldehyde	887
Magnetic properties of copper(II) complex of 4,5-dicyanoimidazole and 2,2'-bipyridine	888
Magnetic properties of copper(II) complex of 4,5-dicyanoimidazole and 2,2'-bipyridine	890
Magnetic properties of copper(II) complex of 4,5-dicyanoimidazole and 2,2'-bipyridine	892
Magnetic properties of linear trinuclear copper(II) complex containing azido and triazole ligands	894
Magnetic properties of copper(II) complex containing azido and triazole ligands	896
Magnetic properties of copper(II) complex with <i>N</i> -(2-chloro-6-methylphenyl)pyridine-2-carboxamide	898
Magnetic properties of μ -sulphur bridged copper(II) complex with <i>N</i> -benzoyl- <i>N'</i> , <i>N'</i> -dimethylthiourea	899

Magnetic properties of μ -oxo bridged copper(II) complex with <i>N</i> -benzoyl- <i>N,N'</i> -dimethylthiourea	901
Magnetic properties of copper(II) complex with imidazole	903
Magnetic properties of copper(II) complex with 2,2'-bipyridine	904
Magnetic properties of binuclear copper(II) complex with imidazole and bipyridine	905
Magnetic properties of trinuclear copper(II) complex with imidazole and bipyridine	906
Magnetic properties of binuclear copper(II) complex with 3,5-diacetylamino-1, 2, 4-triazole	907
Part II Zn	909
Magnetic properties of zinc(II)-hexafluoroacetylacetonate complex with 2-(3-pyridyl)-4, 4, 5, 5-tetramethyl-4, 5-dihydro-1H-imidazolyl-1-oxy-3-oxide)	911
Magnetic properties of zinc(II)-hexafluoroacetylacetonate complex with 2-(4-pyridyl)-4, 4, 5, 5-tetramethyl-4, 5-dihydro-1H-imidazolyl-1-oxy-3-oxide)	913
Magnetic properties of zinc(II)-hexafluoroacetylacetonate complex with 2-(2-pyridyl)-4, 4, 5, 5-tetramethyl-4, 5-dihydro-1H-imidazolyl-1-oxy	915
Part III Cd	917
Magnetic properties of chloro-bridged polymeric cadmium(II) complex with pyridyl substituted nitronyl notroxide	919
Part IV Ce	921
Magnetic properties of cerium(III) complex with 1, 5-di(2, 5-dimethylphenyl)carbazone	923
Magnetic properties of cerium(III) complex with 1, 5-di(5-chloro-2-methylphenyl)carbazone	924
Magnetic properties of cerium(III) complex of heterocyclic- β -diketone	925
Magnetic properties of cerium(III) nitrate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	926
Magnetic properties of cerium(III) perchlorate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	928
Part V Pr	931
Magnetic properties of praseodymium(III) complex with 1, 5-di(2, 5-dimethylphenyl)carbazone	933
Magnetic properties of praseodymium(III) complex with 1, 5-di(5-chloro-2-methylphenyl)carbazone	934
Magnetic properties of praseodymium(III) complex of 12-membered tetraaza macrocyclic	935
Magnetic properties of trimetallic lanthanum(III)-praseodymium(III), $\text{La}_2\text{-Pr}$ complex of 12-membered tetraaza macrocycle	936
Magnetic properties of praseodymium(III) complex with bidentate biheterocyclic 2-(2-pyridyl)benzimidazole ligand	937

Magnetic properties of praseodymium(III) complex with bidentate biheterocyclic 1-methyl-2-(2-pyridyl)benzimidazole ligand	938
Magnetic properties of [hydridotris(1-pyrazolyl)borato] complex of praseodymium(III)	939
Magnetic properties of trinuclear praseodymium(III) complex with macrocyclic ligand	941
Magnetic properties of praseodymium(III) nitrate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	942
Magnetic properties of praseodymium(III) perchlorate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	944
Part VI Nd	947
Magnetic properties of neodymium(III) complex with 1, 5-di(2, 5-dimethylphenyl)carbazone	949
Magnetic properties of neodymium(III) complex with 1, 5-di(5-chloro-2-methylphenyl) carbazone	950
Magnetic properties of neodymium(III) complex of heterocyclic-β-diketone	951
Magnetic properties of neodymium(III) complex of 12-membered tetraaza macrocycle	952
Magnetic properties of trimetallic lanthanum(III)-neodymium(III), La₂-Nd complex of 12-membered tetraaza macrocycle	953
Magnetic properties of neodymium(III) complex with bidentate biheterocyclic 2-(2-pyridyl)benzimidazole ligand	954
Magnetic properties of neodymium(III) complex with bidentate biheterocyclic 1-methyl-2-(2-pyridyl)benzimidazole ligand	955
Magnetic properties of neodymium(III) complex of chloro-substituted 18-membered tetraaza macrocycle	956
Magnetic properties of tetra acetato bridged binuclear Nd^{III} complex	957
Magnetic properties of neodymium(III) nitrate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	960
Magnetic properties of neodymium(III) perchlorate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	962
Part VII Sm	965
Magnetic properties of bis(indenyl) complex of samarium(II)	967
Magnetic properties of bis(fluoronyl) complex of samarium(II)	968
Magnetic properties of trimetallic organosamarium tetrathiomolybdate complex	969
Magnetic properties of bimetallic organosamarium tetrathiotungastate complex	970
Magnetic properties of samarium(III) complex with 1, 5-di(2, 5-dimethylphenyl)carbazone	971
Magnetic properties of samarium(III) complex with 1, 5-di(5-chloro-2-methylphenyl)carbazone	972

Magnetic properties of samarium(III) complex of heterocyclic- β -diketone	973
Magnetic properties of samarium(III) complex of 12-membered tetraaza macrocycle	974
Magnetic properties of trimetallic lanthanum(III)-samarium(III), La ₂ -Sm complex of 12-membered tetraaza macrocycle	975
Magnetic properties of samarium(III) complex with bidentate biheterocyclic 2-(2-pyridyl)benzimidazole ligand	977
Magnetic properties of samarium(III) complex of bromo-substituted 18-membered tetraaza macrocycle	978
Part VIII Eu	981
Magnetic properties of pentamethylcyclopentadienyl europium(III)	983
Magnetic properties of europium(III) complex of 12-membered tetraaza macrocycle	984
Magnetic properties of europium(III) complex of chloro-substituted 18-membered tetraaza macrocycle	985
Magnetic properties of europium(III) complex of bromo-substituted 18-membered tetraaza macrocycle	987
Magnetic properties of europium(III) perchlorate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	989
Part IX Gd	991
Magnetic properties of gadolinium(III) complex of heterocyclic- β -diketone	993
Magnetic properties of gadolinium(III) complex of 12-membered tetraaza macrocycle	994
Magnetic properties of gadolinium oxoalkoxide	995
Magnetic properties of trinuclear gadolinium(III) complex with macrocyclic ligand	996
Magnetic properties of trinuclear Cu ₂ Gd complex with oxamide	997
Magnetic properties of gadolinium(III) complex with hexaaza macrocyclic ligand having 2-hydroxy-3, 5-dimethylbenzyl pendant arms	999
Magnetic properties of gadolinium(III) nitrate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	1001
Magnetic properties of gadolinium(III) perchlorate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	1003
Magnetic properties of gadolinium(III) nitrate complex with 18-membered hexaazatetraimine macrocyclic ligand	1005
Magnetic properties of gadolinium(III) chloride complex with 18-membered hexaazatetraimine macrocyclic ligand	1006
Part X Tb	1007
Magnetic properties of terbium(III) complex of 12-membered tetraaza macrocycle	1009
Magnetic properties of tetra(μ_3 -hydroxo)hexa(μ_2 -carboxylato-O, O')-bridged tetranuclear terbium(III) cubane complex	1010
Magnetic properties of terbium(III) complex of chloro-substituted 18-membered tetraaza macrocycle	1012

Magnetic properties of terbium(III) complex of bromo-substituted 18-membered tetraaza macrocycle	1013
Part XI Dy	1015
Magnetic properties of dysprosium(III) complex with 1, 5-di(2, 5-dimethylphenyl)carbazone	1017
Magnetic properties of dysprosium(III) complex with 1, 5-di(5-chloro-2-methylphenyl)carbazone	1018
Magnetic properties of dysprosium(III) complex of heterocyclic-β-diketone	1019
Magnetic properties of dysprosium(III) complex of 12-membered tetraaza macrocycle	1020
Magnetic properties of dysprosium(III) complex with 18-membered hexaazatetraimine macrocyclic ligand	1021
Part XII Ho	1023
Magnetic properties of holmium(III) complex with 1, 5-di(2, 5-dimethylphenyl)carbazone	1025
Magnetic properties of holmium(III) complex with 1, 5-di(5-chloro-2-methylphenyl)carbazone	1026
Magnetic properties of holmium(III) perchlorate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	1027
Part XIII Er	1029
Magnetic properties of erbium(III) complex of heterocyclic-β-diketone	1031
Magnetic properties of erbium(III) perchlorate complex with Schiff-base macrocyclic ligand derived from 2, 6-diformylpyridine	1032
Part XIV Yb	1035
Magnetic properties of C₆₀-fullerenides of ytterbium	1037
Part XV U	1039
Magnetic properties of oxo-bridged bimetallic organouranium complex	1041
Part XVI Radical	1043
Magnetic properties of hexafluoroarsanate salt of bis(1, 2, 3, 4-trithiazolium)	1045
Magnetic properties of undecafluoroantimonate salt of bis(1, 2, 3, 4-trithiazolium)	1047
Magnetic properties of lithium salt of nitroxyl free-radical carboxylic acid (4-carboxy-TEMPO)	1049
Magnetic properties of sodium salt of nitrosyl free radical carboxylic acid (4-carboxy-TEMPO)	1050
Magnetic properties of potassium salt of nitrosyl free radical carboxylic acid (4-carboxy-TEMPO)	1051