

# W Robert Scheidt

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| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 296 | Spin-state/stereochemical relationships in iron porphyrins: implications for the hemoproteins. <i>Chemical Reviews</i> , <b>1981</b> , 81, 543-555   | 68.1 | 557       |
| 295 | Structural control of the photodynamics of boron-dipyrrin complexes. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 20433-43  | 3.4  | 342       |
| 294 | Models of the cytochromes b. Effect of axial ligand plane orientation on the EPR and Moessbauer spectra of low-spin ferrihemes. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 5288-5297   | 16.4 | 278       |
| 293 | Solid-state structures of metalloporphyrin NO(x) compounds. <i>Chemical Reviews</i> , <b>2002</b> , 102, 1067-90   | 68.1 | 238       |
| 292 | Nitrosylmetalloporphyrins. II. Synthesis and molecular stereochemistry of nitrosyl-alpha, beta, gamma, delta,-tetraphenylporphyrinatoiron (ii). <i>Journal of the American Chemical Society</i> , <b>1975</b> , 97, 17-21  | 16.4 | 220       |
| 291 | The missing heme spin state and a model for cytochrome c'. The mixed S = 3/2, 5/2 intermediate spin ferric porphyrin: perchlorato(meso-tetraphenylporphyrinato)iron(III). <i>Journal of the American Chemical Society</i> , <b>1979</b> , 101, 2948-2958                           | 16.4 | 219       |
| 290 | Molecular stereochemistry of two intermediate-spin complexes. Iron(II) phthalocyanine and manganese(II) phthalocyanine. <i>Inorganic Chemistry</i> , <b>1976</b> , 15, 1685-1690   | 5.1  | 168       |
| 289 | The Synthetic and Structural Chemistry of Heme Derivatives with Nitric Oxide Ligands. <i>Accounts of Chemical Research</i> , <b>1999</b> , 32, 350-359   | 24.3 | 166       |
| 288 | Crystal and molecular structure of the silver(II) and zinc(II) derivatives of meso-tetraphenylporphyrin. An exploration of crystal-packing effects on bond distance. <i>Inorganic Chemistry</i> , <b>1986</b> , 25, 795-799  | 5.1  | 162       |
| 287 | Axial Ligand Orientation in Iron(III) Porphyrinates: Effect of Axial .pi.-Acceptors. Characterization of the Low-Spin Complex [Fe(TPP)(4-CNPy) <sub>2</sub> ]ClO <sub>4</sub> . <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 7760-7770                     | 16.4 | 158       |
| 286 | .eta.-1-Benzene coordination: the synthesis and x-ray crystal structure of a novel silver salt of the weakly coordinating carborane anion B <sub>11</sub> CH <sub>12</sub> <sup>-</sup> . <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 5955-5959           | 16.4 | 154       |
| 285 | Crystal and Molecular Structure of (Octaethylporphyrinato)cobalt(II). Comparison of the Structures of Four-Coordinate M(TPP) and M(OEP) Derivatives (M = Fe-Cu). Use of Area Detector Data. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 1314-1318                               | 5.1  | 147       |
| 284 | An Analysis of Porphyrin Molecular Flexibility Use of Porphyrin Diacids. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 10732-10742  | 16.4 | 145       |
| 283 | Molecular stereochemistry of phthalocyanatozinc(II). <i>Journal of the American Chemical Society</i> , <b>1977</b> , 99, 1101-1104   | 16.4 | 145       |
| 282 | EAcid Ligands in Iron(III) Porphyrinates. Characterization of Low-Spin Bis(tert-butylisocyanide)(porphyrinato)iron(III) Complexes Having (dxz,dyz) <sup>4</sup> (dxy) <sup>1</sup> Ground States. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 12109-12118 | 16.4 | 139       |
| 281 | Models of the cytochromes b. Low-spin bis-ligated (porphyrinato)iron(III) complexes with unusual molecular structures and NMR, EPR, and Moessbauer spectra. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 7066-7075   | 16.4 | 135       |
| 280 | Models of the cytochromes b. Control of axial ligand orientation with a hindered porphyrin system. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 5497-5510  | 16.4 | 135       |

- 279 Trends in metalloporphyrin stereochemistry. *Accounts of Chemical Research*, **1977**, 10, 339-345 24.3 126
- 278 Nitrosylmetalloporphyrins. III. Synthesis and molecular stereochemistry of nitrosyl- $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ -tetraphenylporphinato(1-methylimidazole)iron(II). *Journal of the American Chemical Society*, **1976**, 98, 1913-9 16.4 123
- 277 Preferred orientation of imidazole ligands in metalloporphyrins. *Journal of the American Chemical Society*, **1986**, 108, 1163-1167 16.4 120
- 276 Stereochemistry of low-spin cobalt porphyrins. I. Structure and bonding in a nitrosylcobalt porphyrin and their bearing on one rational model for the oxygenated protoheme. *Journal of the American Chemical Society*, **1973**, 95, 8281-8 16.4 119
- 275 New crystalline phase of (octaethylporphinato)nickel(II): effects of  $\pi$ - $\pi$  interactions on molecular structure and resonance Raman spectra. *Journal of the American Chemical Society*, **1988**, 110, 3919-3924 16.4 117
- 274 Structural and Molecular Mechanics Studies on Highly Ruffled Low-Spin (Porphinato)iron(III) Complexes. *Journal of the American Chemical Society*, **1995**, 117, 935-954 16.4 112
- 273 New weakly coordinating anions. 2. Derivatization of the carborane anion CB<sub>11</sub>H<sub>12</sub><sup>-</sup>. *Inorganic Chemistry*, **1993**, 32, 1982-1990 5.1 112
- 272 Stereochemistry of the toluene solvate of  $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ -tetraphenylporphinatozinc(II). *Inorganic Chemistry*, **1978**, 17, 706-710 5.1 111
- 271 Quantitative vibrational dynamics of iron in nitrosyl porphyrins. *Journal of the American Chemical Society*, **2004**, 126, 4211-27 16.4 106
- 270 Nuclear resonance vibrational spectroscopy--NRVS. *Journal of Inorganic Biochemistry*, **2005**, 99, 60-71 4.2 106
- 269 Observations on silver salt metathesis reactions with very weakly coordinating anions. *Journal of the American Chemical Society*, **1989**, 111, 6643-6648 16.4 104
- 268 Five- to six-coordination in (nitrosyl)iron(II) porphyrinates: effects of binding the sixth ligand. *Inorganic Chemistry*, **2003**, 42, 5722-34 5.1 103
- 267 Preparation and structural characterization of nitrosyl complexes of ferric porphyrinates. Molecular structure of aquonitrosyl(meso-tetraphenylporphinato)iron(III) perchlorate and nitrosyl(octaethylporphinato)iron(III) perchlorate. *Journal of the American Chemical Society*, **1984**, 106, 3191-3198 16.4 103
- 266 Nitrosylmetalloporphyrins. 4. Molecular stereochemistry of two crystalline forms of nitrosyl- $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ -tetraphenylporphinato(4-methylpiperidine)iron(II). A structural correlation with  $\nu(\text{NO})$ . *Journal of the American Chemical Society*, **1977**, 99, 7315-7322 16.4 98
- 265 Imidazolate complexes of iron and manganese tetraphenylporphyrins. *Journal of the American Chemical Society*, **1980**, 102, 6729-6735 16.4 97
- 264 High-spin iron(II) in the porphyrin plane. Structural characterization of (meso-tetraphenylporphinato)bis(tetrahydrofuran)iron(II). *Journal of the American Chemical Society*, **1980**, 102, 2302-2306 16.4 97
- 263 Stereochemistry of nitrosylmetalloporphyrins. Nitrosyl- $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ -tetraphenylporphinato(1-methylimidazole)iron and nitrosyl- $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ -tetraphenylporphinato(4-methylpiperidine)manganese. *Journal of the American Chemical Society*, **1974**, 96, 5293-5295 16.4 97
- 262 Six coordination in high-spin ferric porphyrins. A new structural type and models for aquomethemoglobin. *Journal of the American Chemical Society*, **1978**, 100, 6354-6362 16.4 96

- 261 Unexpected nitrosyl-group bending in six-coordinate [M(NO)](6) sigma-bonded aryl(iron) and -(ruthenium) porphyrins. *Journal of the American Chemical Society*, **2001**, 123, 6314-26 16.4 93
- 260 Synthesis, Molecular Structures, and Properties of Six-Coordinate [Fe(OEP)(L)(NO)]<sup>+</sup> Derivatives: Elusive Nitrosyl Ferric Porphyrins. *Journal of the American Chemical Society*, **1999**, 121, 5210-5219 16.4 92
- 259 Sharing the  $\pi$ -Bonding. An Iron Porphyrin Derivative with Trans,  $\pi$ -Accepting Axial Ligands. Synthesis, EPR and Mössbauer Spectra, and Molecular Structure of Two Forms of the Complex Nitronitrosyl( $\mu$ -tetrakis(o-pivalamidophenyl)-porphinato)ferrate(II). *Journal of the American Chemical Society*, **1997**, 119, 6274-6283 16.4 91
- 258 Planar Solid-State and Solution Structures of (Porphinato)nickel(II) As Determined by X-ray Diffraction and Resonance Raman Spectroscopy. *Inorganic Chemistry*, **1996**, 35, 3559-3567 5.1 91
- 257 New class of bridged diiron(III) complexes with a single hydroxo bridge. The preparation and structure of ( $\mu$ -hydroxo)bis((octaethylporphinato)iron(III)) perchlorate. *Journal of the American Chemical Society*, **1992**, 114, 4420-4421 16.4 90
- 256 Unusual orientation of axial ligands in metalloporphyrins. Molecular structure of low-spin bis(2-methylimidazole)(meso-tetraphenylporphinato)iron(III) perchlorate. *Journal of the American Chemical Society*, **1987**, 109, 1963-1968 16.4 90
- 255 A deoxymyoglobin model with a sterically unhindered axial imidazole. *Journal of the American Chemical Society*, **1988**, 110, 1207-1215 16.4 90
- 254 Structure and reactivity of ruthenium (II) porphyrin complexes. Photochemical ligand ejection and formation of ruthenium porphyrin dimers. *Journal of the American Chemical Society*, **1975**, 97, 277-81 16.4 89
- 253 Intrinsic Structural Distortions in Five-Coordinate (Nitrosyl)iron(II) Porphyrinate Derivatives. *Journal of the American Chemical Society*, **2000**, 122, 4651-4659 16.4 87
- 252 Spin coupling in metalloporphyrin  $\pi$ -cation radicals. *Journal of the American Chemical Society*, **1987**, 109, 2644-2652 16.4 85
- 251 Structural Distortion in Five-Coordinate Nitrosyl Iron Porphyrins. Axial Ligand Tilting and Its Effect on Equatorial Geometry. *Journal of the American Chemical Society*, **1997**, 119, 7404-7405 16.4 84
- 250 Neutral Ligands for Selective Chloride Anion Complexation: ( $\mu$ -5,10,15,20-Tetrakis(2-(aryleurea)phenyl)porphyrins. *Journal of the American Chemical Society*, **1998**, 120, 11684-11692 16.4 83
- 249 Stereochemistry of low-spin cobalt porphyrins. 3. The crystal structure and molecular stereochemistry of bis(piperidine)- $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ -tetraphenylporphinatocobalt(II). *Journal of the American Chemical Society*, **1974**, 96, 84-9 16.4 82
- 248 Nature of iron(I) and iron(0) tetraphenylporphyrin complexes. Synthesis and molecular structure of (dibenzo-18-crown-6)bis(tetrahydrofuran)sodium (meso-tetraphenylporphinato)ferrate and bis[tris(tetrahydrofuran)sodium] (meso-tetraphenylporphinato)ferrate. *Inorganic Chemistry*, **1984**, 23, 2188-2194 5.1 81
- 247 Structural characterization of a variable-spin(porphinato)iron(III) complex. Molecular stereochemistry of bis(3-chloropyridine)(octaethylporphinato)iron(III) perchlorate at 98 K ( $S = 1/2$ ) and 293 K ( $S = 1/2$ ,  $S = 5/2$ ). *Journal of the American Chemical Society*, **1982**, 104, 495-499 16.4 80
- 246 Manganese(II) porphyrins. Synthesis, structures, and preference for five-coordination. *Journal of the American Chemical Society*, **1975**, 97, 3247-3249 16.4 78
- 245 Models of the Cytochromes. Axial Ligand Orientation and Complex Stability in Iron(II) Porphyrinates: The Case of the Noninteracting  $d$  Orbitals. *Journal of the American Chemical Society*, **1997**, 119, 9438-9448 16.4 76
- 244 Five-coordinate Fe(III)NO and Fe(II)CO porphyrinates: where are the electrons and why does it matter?. *Journal of the American Chemical Society*, **2004**, 126, 14136-48 16.4 74

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| 243 | Molecular structure of diaquo-.alpha.,.beta.,.gamma.,.delta.-tetraphenylporphinatoiron(III) perchlorate and perchlorato-.alpha.,.beta.,.gamma.,.delta.-tetraphenylporphinatoiron(III). Two new structural types for iron(III) porphyrins. <i>Journal of the American Chemical Society</i> , <b>1978</b> , 100, 666-667  | 16.4 | 74 |
| 242 | Hydrosulfide (HS-) coordination in iron porphyrinates. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 1017-26   | 5.1  | 72 |
| 241 | Syntheses, Characterization, and Structural Studies of Several (Nitro)(nitrosyl)iron(III) Porphyrinates: [Fe(Porph)(NO <sub>2</sub> )(NO)]. <i>Inorganic Chemistry</i> , <b>1999</b> , 38, 100-108  | 5.1  | 70 |
| 240 | Stereochemistry of low-spin cobalt porphyrins. 8. .alpha.,.beta.,.gamma.,.delta.-Tetraphenylporphinatocobalt(II). <i>Inorganic Chemistry</i> , <b>1976</b> , 15, 3182-3184  | 5.1  | 70 |
| 239 | Proton control of oxidation and spin state in a series of iron tripodal imidazole complexes. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 2402-15   | 5.1  | 69 |
| 238 | Reactions of bis(nitro)[.alpha.,.alpha.,.alpha.,.alpha.-meso-tetrakis(o-pivalamidophenyl)porphinato]iron(III) with 2,3,5,6-tetrafluorothiophenol and 2,3,5,6-tetrafluorothiophenolate. EPR and Moessbauer spectra   | 5.1  | 69 |
| 237 | Stereochemistry of dioxovanadium(V) complexes. I. Crystal and molecular structure of triammonium bis(oxalato)dioxovanadate(V) dihydrate. <i>Journal of the American Chemical Society</i> , <b>1971</b> , 93, 3867-3872  | 16.4 | 69 |
| 236 | Tilt/Asymmetry in Nitrosyl Metalloporphyrin Complexes: The Cobalt Case. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 382-383  | 5.1  | 67 |
| 235 | Thioether ligation in iron-porphyrin complexes: models for cytochrome c. <i>Journal of the American Chemical Society</i> , <b>1981</b> , 103, 5758-5767   | 16.4 | 67 |
| 234 | Microwave-assisted Piloty-Robinson synthesis of 3,4-disubstituted pyrroles. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 3941-4  | 4.2  | 66 |
| 233 | Metal complexes with tetrapyrrole ligands. 30. The manganese-nitrogen triple bond. Synthesis and molecular stereochemistry of (5,15-dimethyl-2,3,7,8,12,13,17,18-octaethyl-5H,15H-porphinato)nitridomanganese(V). <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 888-891  | 5.1  | 66 |
| 232 | Molecular stereochemistry of a nitrogen-bridged metalloporphyrin: .mu.-nitrido-bis[.alpha.,.beta.,.gamma.,.delta.-tetraphenylporphinatoiron]. <i>Journal of the American Chemical Society</i> , <b>1976</b> , 98, 6623-6628   | 16.4 | 66 |
| 231 | Oriented single-crystal nuclear resonance vibrational spectroscopy of [Fe(TPP)(MI)(NO)]: quantitative assessment of the trans effect of NO. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 7197-215   | 5.1  | 65 |
| 230 | Synthesis, spectroscopic, and structural studies of extremely short chain basket handle porphyrins and their zinc(II) complexes. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 2659-2668   | 16.4 | 65 |
| 229 | Magnetic interactions in metalloporphyrin .pi.-radical cations of copper and iron. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 6791-6793   | 16.4 | 65 |
| 228 | Control of spin state in (porphinato)iron(III) complexes. An axial ligand orientation effect leading to an intermediate-spin complex. Molecular structure and physical characterization of the monoclinic form of bis(3-chloropyridine)(octaethylporphinato)iron(III) perchlorate. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 6185-6188 | 16.4 | 64 |
| 227 | Control of spin state in (porphinato)iron(III) complexes. An axial ligand orientation effect on the spin state in bis(2-methylimidazole)(octaethylporphinato)iron(III) perchlorate. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 6339-6343  | 16.4 | 64 |
| 226 | Imidazolate- and oxo-bridged metalloporphyrins. <i>Journal of the American Chemical Society</i> , <b>1981</b> , 103, 2640-2650  | 16.4 | 64 |

- 225 Stereochemistry of low-spin cobalt porphyrins. IV. Molecular stereochemistry of (1-methylimidazole)-alpha, beta, gamma, delta-tetraphenylporphinatocobalt(II). *Journal of the American Chemical Society*, **1974**, 96, 90-4 16.4 64
- 224 Stereochemistry of manganese porphyrins. 2. The toluene solvate of alpha, beta, gamma, delta-tetraphenylporphinatomanganese(II) at 20 and -175 degrees C. *Journal of the American Chemical Society*, **1977**, 99, 1093-101 16.4 64
- 223 Electronic configuration assignment and the importance of low-lying excited states in high-spin imidazole-ligated iron(II) porphyrinates. *Journal of the American Chemical Society*, **2005**, 127, 5675-88 16.4 63
- 222 Stereochemistry of dioxovanadium(V) complexes. III. Crystal and molecular structures of trisodium (ethylenediaminetetraacetato)dioxovanadate(V) tetrahydrate. *Journal of the American Chemical Society*, **1971**, 93, 3878-3882 16.4 62
- 221 An Unusual Near-Eclipsed Porphyrin Ring Orientation in Two Crystalline Forms of (.mu.-Oxo)bis[(octaethylporphinato)iron(III)]. Structural and Molecular Mechanics Studies. *Inorganic Chemistry*, **1995**, 34, 102-110 5.1 61
- 220 Instability of the nitrite/iron(III) porphyrinate system. *Inorganic Chemistry*, **1990**, 29, 181-185 5.1 61
- 219 Nitrite-bound five-coordinate low-spin iron(II) model complex for the prosthetic group of nitrite reductase with an unusually large quadrupole splitting. Synthesis, Moessbauer properties, and molecular structure of the complex 16.4 61
- 218 Preparation and molecular stereochemistry of metalloporphyrin complexes with cyano ligands. Cyano(pyridine)(meso-tetraphenylporphinato)iron(III) hydrate and cyano(meso-tetraphenylporphinato)manganese(III) chloroform solvate. *Inorganic Chemistry*, **1983**, 22, 1516-1522 5.1 61
- 217 Crystal and molecular structure of bis(imidazole)(meso-tetraphenylporphinato)iron(III) chloride. A classic molecule revisited. *Journal of the American Chemical Society*, **1987**, 109, 1958-1963 16.4 60
- 216 Models of cytochromes b. Attempts to control axial ligand orientation with a "hindered" porphyrin system. *Inorganic Chemistry*, **1991**, 30, 1643-1650 5.1 58
- 215 Nitrosylmetalloporphyrins. 5. Molecular stereochemistry of nitrosyl(5,10,15,20-tetratolylporphinato)manganese(II) and nitrosyl(4-methylpiperidine)(5,10,15,20-tetraphenylporphinato)manganese(II). *Inorganic Chemistry*, **1979**, 18, 292-299 5.1 58
- 214 Structural and electronic characterization of nitrosyl(octaethylporphinato)iron(III) perchlorate derivatives. *Inorganic Chemistry*, **2000**, 39, 5102-10 5.1 56
- 213 Crystallographic study of the structural trans effect. Molecular structure of oxoisopropoxobis(8-hydroxyquinolino)vanadium(V). *Inorganic Chemistry*, **1973**, 12, 1758-1761 5.1 56
- 212 Axial ligand orientation in iron(II) porphyrinates. Preparation and characterization of low-spin bis(imidazole)(tetraphenylporphyrinato)iron(II) complexes. *Inorganic Chemistry*, **1990**, 29, 626-633 5.1 55
- 211 Spin coupling in admixed intermediate-spin iron(III) porphyrin dimers: crystal structure, Moessbauer, and susceptibility study of Fe(TPP)(B11CH12).C7H8. *Inorganic Chemistry*, **1987**, 26, 3022-3030 5.1 55
- 210 Characterization of five-coordinate mono(imidazole)(porphinato)iron(II) complexes. *Journal of the American Chemical Society*, **1985**, 107, 5693-5699 16.4 55
- 209 The least coordinating anion. *Journal of the American Chemical Society*, **1986**, 108, 3117-3118 16.4 55
- 208 Molecular stereochemistry of (.alpha.,.gamma.-dimethyl-.alpha.,.gamma.-dihydrooctaethylporphinato)oxotitanium(IV). *Inorganic Chemistry*, **1975**, 14, 1782-1785 5.1 55

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| 207 | Stereochemistry of manganese porphyrins. I. Molecular stereochemistry of chloro- $\alpha$ -, $\beta$ -, $\gamma$ -, $\delta$ -tetraphenylporphinato(pyridine)manganese(III). <i>Inorganic Chemistry</i> , <b>1975</b> , 14, 2081-2086   | 5.1  | 55 |
| 206 | Axial Coordination and Conformational Heterogeneity of Nickel(II) Tetraphenylporphyrin Complexes with Nitrogenous Bases. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 4402-4412   | 5.1  | 54 |
| 205 | Direct probe of iron vibrations elucidates NO activation of heme proteins. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 11200-1   | 16.4 | 54 |
| 204 | Two Crystalline Forms of Low-Spin [Fe(TMP)(5-MeHIm) <sub>2</sub> ]ClO <sub>4</sub> . Relative Parallel and Perpendicular Axial Ligand Orientations. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 11144-11155  | 16.4 | 54 |
| 203 | A Novel Dimanganese(III) Complex with a Single Hydroxo Bridge. Syntheses, Structures, and Magnetic Susceptibilities of ( $\mu$ -Hydroxo)bis((octaethylporphinato)manganese(III)) Perchlorate and a Monomeric Precursor, Aquo(octaethylporphinato)manganese(III) Perchlorate. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 4627-4639 | 5.1  | 54 |
| 202 | Stereochemistry of dioxovanadium(V) complexes. II. Crystal and molecular structures of ammonium (dihydrogen ethylenediaminetetraacetato)dioxovanadate(V) trihydrate. <i>Journal of the American Chemical Society</i> , <b>1971</b> , 93, 3873-3877  | 16.4 | 54 |
| 201 | Iron normal mode dynamics in (nitrosyl)iron(II)tetraphenylporphyrin from X-ray nuclear resonance data. <i>Biophysical Journal</i> , <b>2002</b> , 82, 2951-63   | 2.9  | 53 |
| 200 | Use of protected binding sites for nitrite binding in iron(III) porphyrinates. Crystal structure of the bis(nitro)( $\alpha$ -, $\alpha$ -, $\alpha$ -, $\alpha$ -tetrakis(o-pivalamidophenyl)porphinato)iron(III) anion. <i>Inorganic Chemistry</i> , <b>1990</b> , 29, 185-191  | 5.1  | 53 |
| 199 | Planar and Nonplanar Conformations of (meso-Tetraphenylporphinato)nickel(II) in Solution As Inferred from Solution and Solid-State Raman Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 5789-5798  | 2.8  | 52 |
| 198 | Metalloporphyrin $\pi$ -cation radicals: intrinsically ruffled or planar core conformations? Molecular structure mesitylporphinatocopper(II) hexachloroantimonate. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 6865-6866   | 16.4 | 52 |
| 197 | Molecular structures and electron-transfer kinetics for some pentacoordinate Cu(I)/Cu(II) redox-active pairs. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 2979-2991  | 16.4 | 52 |
| 196 | Structure of the deoxymyoglobin model [Fe(TPP)(2-MeHIm)] reveals unusual porphyrin core distortions. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 2173-81   | 5.1  | 51 |
| 195 | Preparation and characterization of the anionic complex potassium dicyano(meso-tetraphenylporphinato)iron(III) bis(acetone). <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 3017-3021   | 16.4 | 51 |
| 194 | Macrocyclic [Cu/II(bite)] <sup>+2+</sup> (bite = biphenyldiimino dithioether): An Example of Fully-Gated Electron Transfer and Its Biological Relevance <sup>1</sup> . <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 8857-8868   | 16.4 | 50 |
| 193 | Direct determination of the complete set of iron normal modes in a porphyrin-imidazole model for carbonmonoxy-heme proteins: [Fe(TPP)(CO)(1-Melm)]. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 6927-36  | 16.4 | 50 |
| 192 | Highly Variable $\pi$ Bonding in the Interaction of Iron(II) Porphyrinates with Nitrite. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 10795-10804   | 16.4 | 50 |
| 191 | Crystal and molecular structure of dimethyldiisothiocyanato(terpyridyl)tin(IV). <i>Inorganic Chemistry</i> , <b>1973</b> , 12, 272-276  | 5.1  | 50 |
| 190 | An integrated approach to the mid-spin state ( $S = 3/2$ ) in six-coordinate iron(III) chiroporphyrins. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 3978-87  | 5.1  | 49 |

- 189 Quantitative vibrational dynamics of iron in carbonyl porphyrins. *Biophysical Journal*, **2007**, 92, 3764-83 2.9 48
- 188 Approaches to homogeneous reduction of carbon monoxide: reaction of niobium hydrides with coordinated carbon monoxide. *Journal of the American Chemical Society*, **1978**, 100, 3254-3255 16.4 48
- 187 (Nitro)Iron(III) Porphyrins. EPR Detection of a Transient Low-Spin Iron(III) Complex and Structural Characterization of an O Atom Transfer Product. *Inorganic Chemistry*, **1998**, 37, 2308-2316 5.1 47
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