

40. E. I. Solomon, J. W. Hare, D. M. Dooley, J. H. Dawson, P. J. Stephens and H. B. Gray. "Spectroscopic Studies of Stellacyanin, Plastocyanin and Azurin. Electronic Structure of the Blue Copper Sites." J. Am. Chem. Soc. 102 (1980):168.
41. R. S. Himmelwright, N. C. Eickman, A. F. Hepp and E. I. Solomon. "Chemical and Spectroscopic Studies of the Binuclear Copper Active Site." In International Symposium on Oxidases and Related Redox Systems III, edited by T.E. King, 263-290. New York: Pergamon Press, 1982.
42. R. B. Wilson and E. I. Solomon. "Spectroscopic Studies of Photochemically Important Transition Metal Excited States. 2. The $^1T_{1g}$, $^3T_{1g}$ and $^5T_{2g}$ Excited States of Hexaamminecobalt(III)." J. Am. Chem. Soc. 102 (1980):4085.
43. R. R. Gay, M. H. Nodine, V. E. Henrich, H. J. Zeiger and E. I. Solomon. "Photoelectron Study of the Interaction of CO with ZnO." J. Am. Chem. Soc. 102 (1980):6752.
44. R. S. Himmelwright, N. C. Eickman, C. D. LuBien and E. I. Solomon. "Chemical and Spectroscopic Comparison of the Binuclear Copper Active Site of Mollusc and Arthropod Hemocyanins." J. Am. Chem. Soc. 102 (1980):5378.
45. E. I. Solomon, N. C. Eickman, R. R. Gay, K. W. Penfield, R. S. Himmelwright and L. D. Loomis. "Electronic Spectral Comparison of Hemocyanin and Hemerythrin." In Comparative Study and Recent Knowledge on Quaternary Structure and Active Sites of Oxygen Carriers and Related Proteins, 487-502. New York: Marcel Dekker, 1981.
46. E. I. Solomon, R. S. Himmelwright, N. C. Eickman, C. D. LuBien, L. O. Schoeniger and K. Lerch. "Chemical and Spectroscopic Comparison of Mollusc and Arthropod Hemocyanins with Extensions to Tyrosinase." In Comparative Study and Recent Knowledge on Quaternary Structure and Active Sites of Oxygen Carriers and Related Proteins, 553-569. New York: Marcel Dekker, 1981.
47. R. S. Himmelwright, N. C. Eickman, C. D. LuBien, K. Lerch and E. I. Solomon. "Chemical and Spectroscopic Studies of Binuclear Copper Active Site of Neurospora Tyrosinase: Comparison to Hemocyanins." J. Am. Chem. Soc. 102 (1980):7339.
48. M. J. Sayers, M. R. McClellan, R. R. Gay, E. I. Solomon and F. R. McFeely. "Angle-Resolved Photoemission Investigation of the Bonding Geometry of CO to ZnO (10 $\bar{1}$ 0)." Chem. Phys. Letters 75 (1980):575.
49. S. F. Rice, R. B. Wilson and E. I. Solomon. "Electronic Absorption Spectrum of Chromous Acetate Dihydrate and Related Binuclear Chromous Carboxylates." Inorg. Chem. 19 (1980):3425.
50. E. I. Solomon. "Binuclear Copper Active Site: Hemocyanin, Tyrosinase and Type 3 Copper Oxidases." In Copper Proteins, edited by T. B. Spiro, 41-108. New York: Wiley, 1981.

51. E. I. Solomon. Review of "Spectroscopic Properties of Inorganic and Organometallic Compounds," Vol. II, D. M. Adams and E. A. V. Ebsworth, Senior Reporters, and "Electron Spin Resonance." Vol. 5, P.B. Ayscough, Senior Reporter; J. Organomet. Chem. **192** (1980):C19-C20.
52. K. L. D'Amico, M. R. McClellan, M. J. Sayers, R. R. Gay, F. R. McFeely and E. I. Solomon. "Ultraviolet Photoemission Studies of the Bonding of CO to the ZnO (10 $\bar{1}$ 0) Surface and Its Interaction With Atomic Hydrogen." J. Vac. Sci. Technol. **17** (1980):1080.
53. A. Lempicki, L. Andrews, S. J. Nettel, B. C. McCollum and E. I. Solomon. "Spectroscopy of Cr³⁺ in Glasses: Fano Antiresonances and Vibronic 'Lamb Shift,'" Phys. Rev. Letters **44** (1980):1234.
54. H. B. Gray and E. I. Solomon. "Electronic Structures of Blue Copper Centers in Proteins." In Copper Proteins, edited by T. G. Spiro, 1-39. New York: Wiley, 1980.
55. M. R. McClellan, M. Trenary, N. D. Shinn, M. J. Sayers, K. L. D'Amico, E.I. Solomon and F. R. McFeely. "An Angle Resolved Photoemission Determination of the Coordination of CO on the ZnO (0001) Surface." J. Chem. Phys. **74** (1981):4726.
56. E. I. Solomon, N. C. Eickman, R. S. Himmelwright, Y. T. Hwang, S. E. Plon and D. E. Wilcox. "The Nature of the Binuclear Copper Site in Limulus and Other Hemocyanins." in The Limulus Expedition: Biochemical and Physiological Adaptations of Horseshoe Crabs to Environmental Stress, edited by J. and C. Bonaventura. 189-230. New York: A.R. Liss, 1982.
57. K. W. Penfield, R. R. Gay, R. S. Himmelwright, N. C. Eickman, V. A. Norris, H. C. Freeman and E. I. Solomon. "Spectroscopic Studies on Plastocyanin Single Crystals: A Detailed Electronic Structure Determination of the Blue Copper Active Site." J. Am. Chem. Soc. **103** (1981):4382.
58. C. D. LuBien, M. E. Winkler, T. J. Thamann, R. A. Scott, M. S. Co, K. O. Hodgson and E. I. Solomon. "Chemical and Spectroscopic Properties of the Binuclear Copper Active Site in *Rhus* Laccase: Direct Confirmation of a Reduced Binuclear Type 3 Copper Site in Type 2 Depleted Laccase and Intramolecular Coupling of the Type 3 to the Type 1 and Type 2 Copper Sites." J. Am. Chem. Soc. **103** (1981):7014.
59. M. E. Winkler, K. Lerch and E. I. Solomon. "Competitive Inhibitor Binding to the Binuclear Copper Active Site in Tyrosinase." J. Am. Chem. Soc. **103** (1981):7001.
60. E. I. Solomon, K. W. Penfield and D. E. Wilcox. "Active Sites in Copper Proteins: An Electronic Structure Overview." in Structure and Bonding, edited by P. Hemmerich et al., 1-57. New York: Springer-Verlag, 1983.
61. Y. T. Hwang and E. I. Solomon. "Preparation of a Spectral Probe Derivative of the Hemocyanin Biopolymer: Effects of Allosteric Interactions on the Coupled Binuclear Copper Active Site." Proc. Nat. Acad. Sci. USA **79** (1982):2564.

62. K. K. D'Amico, M. Trenary, N. D. Shinn, E. I. Solomon and F. R. McFeely. "Angle-Resolved Ultraviolet Photoelectron Spectroscopic Studies of CO Binding to Three Chemically Different Surfaces of ZnO. Confirmation of Step-Binding Sites on (000T)." J. Am. Chem. Soc. 104 (1982):5102.
63. E. I. Solomon. Review of Biological Roles of Copper, (Ciba Foundation Symposium No. 79). J. Am. Chem. Soc. 104 (1982):7392.
64. J. E. Hahn, R. A. Scott, K. O. Hodgson, S. Doniach, S. R. Desjardins and E. I. Solomon. "Observation of an Electric Quadrupole Transition in the X-Ray Absorption Spectrum of a Cu(II) Complex." Chem. Phys. Lett. 88 (1982):595.
65. D. J. Spira, M. E. Winkler and E. I. Solomon. "Preparation and Characterization of a Stable Half Met Derivative of Type 2 Depleted Rhus Laccase: Exogenous Ligand Binding to the Type 3 Site." Biochem. Biophys. Res. Comm. 107 (1982):721.
66. M. E. Winkler, D. J. Spira, C. D. LuBien, T. J. Thamann and E. I. Solomon. "Anion Binding to Oxidized Type 2 Depleted and Native Laccase: A Spectroscopically Effective Model for Exogenous Ligand Binding to the Type 3 - Type 2 Active Site." Biochem. Biophys. Res. Comm. 107 (1982):727.
67. E. I. Solomon, Y. T. Hwang, D. J. Spira, D. E. Wilcox and M. E. Winkler. "Spectroscopic Studies of the Coupled Binuclear Copper Active Site." Life Chemistry Reports, Supplement 1 (1983):273.
68. S. R. Desjardins, K. W. Penfield, S. L. Cohen, R. L. Musselman and E. I. Solomon. "Detailed Absorption, Reflectance and UV Photoelectron Spectroscopic and Theoretical Studies of the Charge- Transfer Transitions of CuCl_4^{2-} : Correlation of the Square-Planar and Tetrahedral Limits." J. Am. Chem. Soc. 105 (1983):4590.
69. G. L. Woolery, L. Powers, M. Winkler, E. I. Solomon and T. G. Spiro. "EXAFS Studies of Binuclear Copper Site of Oxy-, Deoxy-, and Metaquo-, Metfluoro-, and Met Azido Hemocyanin from Arthropods and Molluscs." J. Am. Chem. Soc. 106 (1984):86.
70. T. G. Spiro, G. L. Woolery, J. M. Brown, L. Powers, M. E. Winkler and E. I. Solomon. "EXAFS Studies of the Binuclear Copper Site of Oxy-, Deoxy- and Met-Aquo -Fluoro-, and -Azido-Hemocyanin from Arthropods and Molluscs." in Biochemical and Inorganic Perspectives in Copper Coordination Chemistry, edited by K. Karlin, 23. New York: Adenine Press, 1983.
71. E. I. Solomon. "Bioinorganic Perspectives in Copper Coordination Chemistry." In Biochemical and Inorganic Perspectives in Copper Coordination Chemistry, edited by K. Karlin, 1. New York: Adenine Press, 1983.
72. E. I. Solomon. "Electronic and Geometric Structure-Function Correlations of the Coupled Binuclear Copper Active Site." Inorganica Chimica Acta 79 (1983):3.

73. Y. T. Hwang and E. I. Solomon. "Spectroscopic Probes of Homotropic and Heterotropic Interactions of the Hemocyanin Active Site." Inorganica Chimica Acta **79** (1983):129.
74. D. J. Spira, M. D. Allendorf and E. I. Solomon. "Selective Chemical and Physical Perturbations for the Different Copper Sites in the Multicopper Oxidase, Rhus Laccase." Inorganica Chimica Acta **79** (1983):130.
75. D. J. Spira, A. G. Porras, E. I. Solomon, J. E. Hahn, M. S. Co and K. O. Hodgson. "X-Ray Absorption Studies of Laccase and Ceruloplasmin." Inorganica Chimica Acta **79** (1983):131.
76. D.J. Spira and E.I. Solomon. "Nitrite Reactivity of the Binuclear Copper Site in T2D Rhus Laccase: Preparation of Half Met-NO₂⁻ T2D Laccase and its Correlation to Half Met-NO₂⁻ Hemocyanin and Tyrosinase." Biochem. Biophys. Res. Comm. **112** (1983):729.
77. J. E. Hahn, M. S. Co, D. J. Spira, K. O. Hodgson and E. I. Solomon. "Quantitative Cu(I) Determination Using X-Ray Absorption Edge Spectroscopy: Oxidation of the Reduced Binuclear Copper Site in Type 2 Depleted Rhus Laccase." Biochem. Biophys. Res. Comm. **112** (1983):737.
78. D. J. Spira, M. S. Co, E. I. Solomon and K. O. Hodgson. "EXAFS Investigation of the Binuclear Cupric Site in Met T2D Rhus Laccase and Its Azide Bound Derivative." Biochem. Biophys. Res. Comm. **112** (1983):746.
79. E. I. Solomon. "Electronic and Geometric Structure-Function Correlations of the Coupled Binuclear Copper Active Site." Pure and Applied Chemistry **55** (1983):1069.
80. K. L. D'Amico, F. R. McFeely and E. I. Solomon. "High Resolution Electron Energy Loss Vibrational Studies of CO Coordination to the (10 $\bar{1}$ 0) Surface of ZnO." J. Am. Chem. Soc. **105** (1983):6380.
81. C. N. Durfor, P. J. Wetherbee, J. C. Deaton and E. I. Solomon. "Characterization and Spectroscopic Properties of Reduced Mo and W Formate Dehydrogenase From C. Thermoaceticum." Biochem. Biophys. Res. Comm. **115** (1983):61.
82. D. E. Wilcox, J. R. Long and E. I. Solomon. "EPR Studies of the 'EPR Nondetectable' Met Derivative of Hemocyanin: Perturbations and Displacement of the Endogenous Bridge in the Coupled Binuclear Copper Active Site." J. Am. Chem. Soc. **106** (1984):2186.
83. D. E. Richardson, R. C. Reem and E. I. Solomon. "Cooperativity in Oxygen Binding to Lingula reevii Hemerythrin: Spectroscopic Comparison to the Sipunculid Hemerythrin Coupled Binuclear Iron Active Site." J. Am. Chem. Soc. **105** (1983):7781.
84. E. I. Solomon and D. E. Wilcox. "Magneto-Structural Correlations in Bioinorganic Chemistry." In Magneto-Structural Correlations in Exchange Coupled Systems, 463. (NATO-ASI, June 1983). Boston: Reidel, 1985.

85. J. E. Penner-Hahn, B. Hedman, K. O. Hodgson, D. J. Spira and E. I. Solomon. "On the Spectral Features Associated With Peroxide Reactivity of the Coupled Binuclear Copper Active Site in Type 2 Depleted and Native Rhus Laccase." Biochem. Biophys. Res. Comm. 119 (1984):567.
86. G. L. Woolery, L. Powers, M. Winkler, E. I. Solomon, K. Lerch and T. G. Spiro. "Extended X-Ray Absorption Fine Structure Study of the Coupled Binuclear Copper Active Site of Tyrosinase From Neurospora Crassa." Biochim. Biophys. Acta 788 (1984):155.
87. Y. T. Hwang, L. J. Andrews and E. I. Solomon. "Resonant Fluorescence Study of the Eu^{3+} -Substituted Ca^{2+} Site in Busycon Hemocyanin: Structural Coupling Between the Heterotropic Allosteric Effector and the Coupled Binuclear Copper Active Site." J. Am. Chem. Soc. 106 (1984):3832.
88. J. C. Deaton, E. I. Solomon, C. N. Durfor, P. J. Wetherbee, B. K. Burgess and D. B. Jacobs. "Activation of nit-1 Nitrate Reductase By W-Formate Dehydrogenase." Biochem. Biophys. Res. Comm. 121 (1984):1042.
89. E. I. Solomon. "Inorganic Spectroscopy, An Overview." in Comments on Inorganic Chemistry, edited by Norman Sutin, Vol. III, Number 5, p. 225 New York: Gordon and Breach, 1984.
90. R. C. Reem and E. I. Solomon. "MCD-EPR studies of Deoxy [Fe^{II}], Fe^{II}]Hemerythrin: Probes of Endogenous Bridging Ligands and Exogenous Ligand Binding." J. Am. Chem. Soc. 106 (1984):8323.
91. D. E. Wilcox, A. G. Porras, Y. T. Hwang, K. Lerch, M. E. Winkler and E. I. Solomon. "Substrate Analogue Binding to the Coupled Binuclear Copper Active Site in Tyrosinase." J. Am. Chem. Soc. 107 (1985):4015.
92. M. D. Allendorf, D. J. Spira and E. I. Solomon. "Low-Temperature MCD Studies of Native Laccase: Spectroscopic Evidence for Exogenous Ligand Bridging at a Trinuclear Copper Active Site." Proc. Nat. Acad. Sci. USA 82 (1985):3063.
93. K. W. Penfield, A. A. Gewirth and E. I. Solomon. "Electronic Structure and Bonding of the Blue Copper Site in Plastocyanin." J. Am. Chem. Soc. 107 (1985):4519.
94. D. E. Wilcox, A. G. Porras, M. D. Allendorf, L. S. Kau, D. J. Spira and E. I. Solomon. "Structure/Function Correlations of the Coupled Binuclear Copper Active Site." Revista Portuguesa de Quimica 27 (1985):151.
95. R. C. Reem, J. W. Whittaker and E. I. Solomon. "Spectroscopic Studies of Nonheme Iron Active Sites." Revista Portuguesa de Quimica 27 (1985):172.
96. J. W. Whittaker and E. I. Solomon. "Spectroscopic Studies on Ferrous Non-heme Iron Active Sites: Variable-Temperature MCD Probe of Ground- and Excited-State Splittings in Fe Superoxide Dismutase and Lipoxygenase." J. Am. Chem. Soc. 108 (1986):835.

97. J. E. Pate, T. J. Thamann and E. I. Solomon. "Resonance Raman Studies of the Coupled Binuclear Copper Active Site in Met Azide Hemocyanin." Spectrochimica Acta **42A** (1986):313.
98. E. I. Solomon, A. A. Gewirth and S. L. Cohen. "Spectroscopic Studies of Active Sites: Blue Copper and Electronic Structural Analogs." In Excited States and Reactive Intermediates: Photochemistry, Photophysics and Electrochemistry, edited by A. B. P. Lever, 236-266. (ACS Symposium Series 307, June 1985). York University, 1986.
99. D. J. Spira-Solomon and E. I. Solomon. "Chemical and Spectroscopic Studies of the Coupled Binuclear Copper Site in Type 2 Depleted Rhus Laccase: Comparison to the Hemocyanins and Tyrosinase." J. Am. Chem. Soc. **109** (1987):6421.
100. D. J. Spira-Solomon, M. D. Allendorf and E. I. Solomon. "Low-Temperature Magnetic Circular Dichroism Studies of Native Laccase: Confirmation of a Trinuclear Copper Active Site." J. Am. Chem. Soc. **108** (1986):5318.
101. E. I. Solomon, M. D. Allendorf, L. S. Kau, J. E. Pate, D. J. Spira-Solomon, D. E. Wilcox and A.G. Porras. "Chemical and Spectroscopic Studies of Copper Clusters in Proteins." In Copper Proteins, edited by B. Mondovi, Life Chemistry Reports **5** (1987):37.
102. E. I. Solomon, Book Forward: Biological and Inorganic Copper Chemistry, edited by K. D. Karlin and J. Zubieta. New York: Adenine Press, 1986.
103. S. R. Desjardins, D. E. Wilcox, R. L. Musselman and E. I. Solomon. "Polarized, Single-Crystal Electronic Spectral Studies of $\text{Cu}_2\text{Cl}_6^{2-}$: Excited-State Effects of Binuclear Interaction." Inorg. Chem. **26** (1987):288.
104. L. S. Kau, D. J. Spira-Solomon, J. E. Penner-Hahn, K. O. Hodgson and E. I. Solomon. "X-Ray Absorption Edge Determination of the Oxidation State and Coordination Number of Copper: Application to the Type 3 Site in Rhus Vernicifera Laccase and Its Reaction With Oxygen." J. Am. Chem. Soc. **109** (1987):6433.
105. S. V. Didziulis, S. L. Cohen, A. A. Gewirth and E. I. Solomon. "Variable Photon Energy Photoelectron Spectroscopic Studies of Copper Chlorides: An Experimental Probe of Metal-Ligand Bonding and Changes in Electronic Structure on Ionization." J. Am. Chem. Soc. **110** (1988):250.
106. A. A. Gewirth, S. L. Cohen, H. J. Schugar and E. I. Solomon. "Spectroscopic and Theoretical Studies of the Unusual EPR Parameters of Distorted Tetrahedral Cupric Sites: Correlations to X-Ray Spectral Features of Core Levels." Inorg. Chem. **26** (1987):1133.
107. E. I. Solomon, A. A. Gewirth and S. L. Cohen. "Recent Developments in Inorganic Spectroscopy." In Understanding Molecular Properties, edited by A. E. Hansen, J. Avery, J. P. Dahl, 27-68. Dordrecht: Reidel, 1987.

108. R. C. Reem and E. I. Solomon. "Spectroscopic Studies of the Binuclear Ferrous Active Site of Deoxyhemerythrin: Coordination Number and Probable Bridging Ligands for the Native and Ligand Bound Forms." J. Am. Chem. Soc. **109** (1987):1216.
109. D. E. Richardson, M. Emad, R. C. Reem and E. I. Solomon. "Allosteric Interactions in Sipunculid and Brachiopod Hemerythrins." Biochem. **26** (1987):1003.
110. J. C. Deaton, E. I. Solomon, G. D. Watt, P. J. Wetherbee and C. N. Durfor. "Electron Paramagnetic Resonance Studies of the Tungsten-Containing Formate Dehydrogenase from Clostridium Thermoaceticum." Biochem. Biophys. Res. Comm. **149** (1987):424.
111. J. E. Pate, R. W. Cruse, K. D. Karlin and E. I. Solomon. "Vibrational, Electronic, and Resonance Raman Spectral Studies of $[\text{Cu}_2(\text{XYL-0-})\text{O}_2]^+$, A Copper(II) Peroxide Model Complex of Oxyhemocyanin." J. Am. Chem. Soc. **109** (1987):2624.
112. L. S. Kau, J. E. Penner-Hahn, E. I. Solomon and K. O. Hodgson. "Quantitative Cu X-Ray Absorption Edge Studies: Oxidation State and Site Structure Determination." Journal de Physique **47** (1986):1177.
113. L. S. Kau, E. I. Solomon and K. O. Hodgson. "XANES/EXAFS Study of the Copper Active Site in Methanol Synthesis Catalyst." Journal de Physique **47** (1986):289.
114. E. I. Solomon, J. E. Pate, T. D. Westmoreland, L. S. Kau, M. D. Allendorf and D. J. Spira-Solomon. "Metal Cluster Active Sites in Proteins." In Organic and Inorganic Low Dimensional Crystalline Materials, edited by P. Delhaes and M. Drillon, 243-269. (NATO ASI Series, B. Physics, Vol. 168). New York: Publishing, 1988.
115. J. W. Whittaker and E. I. Solomon. "Spectroscopic Studies on Ferrous Non-Heme Iron Active Sites: Magnetic Circular Dichroism of Mononuclear Fe Sites in Superoxide Dismutase and Lipoxxygenase." J. Am. Chem. Soc. **110** (1988):5329.
116. R. C. Reem, J. M. McCormick, D. E. Richardson, F. J. Devlin, P. J. Stephens, R. L. Musselman and E. I. Solomon. "Spectroscopic Studies of the Coupled Binuclear Ferric Active Site in Methemerythrins and Oxyhemerythrin: The Electronic Structure of Each Iron Center and the Iron-Oxo and Iron-Peroxide Bonds." J. Am. Chem. Soc. **111** (1989):4688.
117. A. A. Gewirth and E. I. Solomon. "Electronic Structure of Plastocyanin: Excited State Spectral Features." J. Am. Chem. Soc. **110** (1988):3811.
118. E. I. Solomon. "Coupled Binuclear Copper Active Sites." Recueil (J. Royal Netherlands Chemical Society) **106** (1987):356.
119. E. I. Solomon. "Coupled Binuclear Copper Active Site." In Metal Clusters in Proteins, (ACS Symposium Series **372**, August-September, 1987), edited by L. Que, Jr., 1988, 116.

120. E. I. Solomon. "Coupled Binuclear Copper Proteins: Catalytic Mechanisms and Structure-Reactivity Correlations." In Oxidases and Related Redox Systems, 309-329. New York: A. Liss, 1988.
121. S. V. Didziulis, S. L. Cohen, K. D. Butcher and E. I. Solomon. "Variable Photon Energy Photoelectron Spectroscopic Studies of Covalent Bonding in 3d¹⁰ Transition-Metal Compounds." Inorg. Chem. 27 (1988):2238.
122. J. C. Deaton, M. S. Gebhard, S. A. Koch, M. Millar and E. I. Solomon. "Ligand Field Transitions and the Origin of Zero Field Splitting in [PPh₄][FeCl₄] and [NEt₄][Fe(SR)₄] (R= 2,3,5,6-Me₄C₆H): A Model for the High-Spin Fe(III) Site in Rubredoxin." J. Am. Chem. Soc. 110 (1988):6241.
123. J. C. Deaton, M. S. Gebhard and E. I. Solomon. "Transverse and Longitudinal Zeeman Effect on [PPh₄][FeCl₄]: Assignment of the Ligand Field Transitions and the Origin of the ⁶A₁ Ground-State Zero-Field Splitting." Inorg. Chem. 28 (1989):877.
124. S. V. Didziulis, K. D. Butcher, S. L. Cohen and E. I. Solomon. "Chemistry of Copper Overlayers on Zinc Oxide Single-Crystal Surfaces: Model Active Sites for Cu/ZnO Methanol Synthesis Catalysts." J. Am. Chem. Soc. 111 (1989):7110.
125. L. S. Kau, K. O. Hodgson and E. I. Solomon. "X-Ray Absorption Edge and EXAFS Study of the Copper Sites in ZnO Methanol Synthesis Catalysts." J. Am. Chem. Soc. 111 (1989):7103.
126. P. K. Ross, M. D. Allendorf and E. I. Solomon. "Detailed Spectral Studies of Copper Acetate: Excited-State Interactions in Copper Dimers." J. Am. Chem. Soc. 111 (1989):4009.
127. J. E. Pate, P. K. Ross, T. J. Thamann, C. A. Reed, K. D. Karlin, T. N. Sorrell and E. I. Solomon. "Spectroscopic Studies of the Charge Transfer and Vibrational Features of Binuclear Copper(II) Azide Complexes: Comparison to the Coupled Binuclear Copper Active Site in Met Azide Hemocyanin and Tyrosinase." J. Am. Chem. Soc. 111 (1989):5198.
128. T. D. Westmoreland, D. E. Wilcox, M. J. Baldwin, W. B. Mims and E. I. Solomon. "Detailed Spectroscopic Analysis of Half-Met Hemocyanins: Mixed Valent Contributions to Electronic Properties and Structure." J. Am. Chem. Soc. 111 (1989):6106.
129. E. I. Solomon, A. A. Gewirth and T. D. Westmoreland. "EPR Spectra of Active Sites in Copper Proteins." in Advanced EPR in Biology and Biochemistry, edited by A.J. Hoff, 865-908. Amsterdam: Elsevier, 1989.
130. B. Hedman, P. Frank, S. F. Gheller, W. E. Newton, E. I. Solomon and K. O. Hodgson. "Low Energy X-Ray Absorption Edge Spectroscopy: Applications to the Nitrogenase Cofactor and Electronic Structure of S and Cl in Inorganic Solids." Physica B 158 (1989):71.
131. G. Tan, L. S. Kau, K. O. Hodgson and E. I. Solomon. "Edge and EXAFS Studies of Cu Coordination in Deoxy Hemocyanin." Physica B 158 (1989):110.

132. E. I. Solomon. "Electronic Structure of the Blue Copper Active Site." Journal of Inorganic Biochemistry 36 (1989) 243.
133. J. L. Cole, E. K. Yang, P. O. Sandusky and E. I. Solomon. "Spectroscopic Characterization of the Trinuclear Copper Active Site in Laccase." Journal of Inorganic Biochemistry 36 (1989)245.