

Author-Index Volume 1 — 31

- Ahrland, S.*: Factors Contributing to (b)-behaviour in Acceptors. Vol. 1, pp. 207—220
- Ahrland, S.*: Thermodynamics of Complex Formation between Hard and Soft Acceptors and Donors. Vol. 5, pp. 118—149.
- Ahrland, S.*: Thermodynamics of the Stepwise Formation of Metal-Ion Complexes in Aqueous Solution. Vol. 15, pp. 167—188.
- Allen, G.C., Warren, K.D.*: The Electronic Spectra of the Hexafluoro Complexes of the First Transition Series. Vol. 9, pp. 49—138.
- Allen, G.C., Warren, K.D.*: The Electronic Spectra of the Hexafluoro Complexes of the Second and Third Transition Series. Vol. 19, pp. 105—165.
- Babel, D.*: Structural Chemistry of Octahedral Fluorocomplexes of the Transition Elements. Vol. 3, pp. 1—87.
- Baker, E.C., Halstead, G.W., Raymond, K.N.*: The Structure and Bonding of 4*f* and 5*f* Series Organometallic Compounds. Vol. 25, pp. 21—66.
- Baughan, E.C.*: Structural Radii, Electron-cloud Radii, Ionic Radii and Solvation. Vol. 15, pp. 53—71.
- Bayer, E., Schretzmann, P.*: Reversible Oxygenierung von Metallkomplexen. Vol. 2, pp. 181—250.
- Bearden, A.J., Dunham, W.R.*: Iron Electronic Configurations in Proteins: Studies by Mössbauer Spectroscopy. Vol. 8, pp. 1—52.
- Blasse, G.*: The Influence of Charge-Transfer and Rydberg States on the Luminescence Properties of Lanthanides and Actinides. Vol. 26, pp. 43—79.
- Blauer, G.*: Optical Activity of Conjugated Proteins. Vol. 18, pp. 69—129.
- Bonnelle, C.*: Band and Localized States in Metallic Thorium, Uranium and Plutonium, and in Some Compounds, Studied by X-Ray Spectroscopy. Vol. 31, pp. 23—48.
- Bradshaw, A.M., Cederbaum, L.S., Domcke, W.*: Ultraviolet Photoelectron Spectroscopy of Gases Adsorbed on Metal Surfaces. Vol. 24, pp. 133—170.
- Braterman, P.S.*: Spectra and Bonding in Metal Carbonyls. Part A: Bonding. Vol. 10, pp. 57—86.
- Braterman, P.S.*: Spectra and Bonding in Metal Carbonyls. Part B: Spectra and Their Interpretation. Vol. 26, pp. 1—42.
- Bray, R.C., Swann, J.C.*: Molybdenum-Containing Enzymes. Vol. 11, pp. 107—144.
- van Bronswyk, W.*: The Application of Nuclear Quadrupole Resonance Spectroscopy to the Study of Transition Metal Compounds. Vol. 7, pp. 87—113.
- Buchanan, B.B.*: The Chemistry and Function of Ferredoxin. Vol. 1, pp. 109—148.
- Burdett, J.K.*: The Shapes of Main-Group Molecules; A Simple Semi-Quantitative Molecular Orbital Approach. Vol. 31, pp. 67—105.
- Campagna, M., Wertheim, G.K., Bucher, E.*: Spectroscopy of Homogeneous Mixed Valence Rare Earth Compounds. Vol. 30, pp. 99—140.
- Cheh, A.M., Neilands, J.P.*: The δ -Aminolevulinate Dehydratases: Molecular and Environmental Properties. Vol. 29, pp. 123—169.
- Ciampolini, M.*: Spectra of 3d Five-Coordinate Complexes. Vol. 6, pp. 52—93.
- Cox, P.A.*: Fractional Parentage Methods for Ionisation of Open Shells of *d* and *f* Electrons. Vol. 24, pp. 59—81.
- Crichton, R.R.*: Ferritin. Vol. 17, pp. 67—134.
- Dehnicke, K., Shihada, A.-F.*: Structural and Bonding Aspects in Phosphorus Chemistry—Inorganic Derivates of Oxohalogeno Phosphoric Acids. Vol. 28, pp. 51—82.

- Drago, R. S.*: Quantitative Evaluation and Prediction of Donor-Acceptor Interactions. Vol. 15, pp. 73—139.
- Dunn, M. F.*: Mechanisms of Zinc Ion Catalysis in Small Molecules and Enzymes. Vol. 23, pp. 61—122.
- Ermer, O.*: Calculations of Molecular Properties Using Force Fields. Applications in Organic Chemistry. Vol. 27, pp. 161—211.
- Erskine, R. W., Field, B. O.*: Reversible Oxygenation. Vol. 28, pp. 1—50.
- Fajans, K.*: Degrees of Polarity and Mutual Polarization of Ions in the Molecules of Alkali Fluorides, SrO, and BaO. Vol. 3, pp. 88—105.
- Fee, J. A.*: Copper Proteins — Systems Containing the “Blue” Copper Center. Vol. 23, pp. 1—60.
- Feeney, R. E., Komatsu, S. K.*: The Transferrins. Vol. 1, pp. 149—206.
- Felsche, J.*: The Crystal Chemistry of the Rare-Earth Silicates. Vol. 13, pp. 99—197.
- Ferreira, R.*: Paradoxical Violations of Koopmans’ Theorem, with Special Reference to the 3d Transition Elements and the Lanthanides. Vol. 31, pp. 1—21.
- Fraga, S., Valdemoro, C.*: Quantum Chemical Studies on the Submolecular Structure of the Nucleic Acids. Vol. 4, pp. 1—62.
- Fraústoda Silva, J. J. R., Williams, R. J. P.*: The Uptake of Elements by Biological Systems. Vol. 29, pp. 67—121.
- Fricke, B.*: Superheavy Elements. Vol. 21, pp. 89—144.
- Fuhrhop, J.-H.*: The Oxidation States and Reversible Redox Reactions of Metalloporphyrins. Vol. 18, pp. 1—67.
- Gillard, R. D., Mitchell, P. R.*: The Absolute Configuration of Transition Metal Complexes. Vol. 7, pp. 46—86.
- Griffith, J. S.*: On the General Theory of Magnetic Susceptibilities of Polynuclear Transition-metal Compounds. Vol. 10, pp. 87—126.
- Gutmann, V., Mayer, U.*: Thermochemistry of the Chemical Bond. Vol. 10, pp. 127—151.
- Gutmann, V., Mayer, U.*: Redox Properties: Changes Effected by Coordination. Vol. 15, pp. 141—166.
- Gutmann, V., Mayer, H.*: Application of the Functional Approach to Bond Variations under Pressure. Vol. 31, pp. 49—66.
- Hall, D. I., Ling, J. H., Nyholm, R. S.*: Metal Complexes of Chelating Olefin-Group V Ligands. Vol. 15, pp. 3—51.
- Harnung, S. E., Schäffer, C. E.*: Phase-fixed 3-*F* Symbols and Coupling Coefficients for the Point Groups. Vol. 12, pp. 201—255.
- Harnung, S. E., Schäffer, C. E.*: Real Irreducible Tensorial Sets and their Application to the Ligand-Field Theory. Vol. 12, pp. 257—295.
- Hathaway, B. J.*: The Evidence for “Out-of-the-Plane” Bonding in Axial Complexes of the Copper(II) Ion. Vol. 14, pp. 49—67.
- von Herigonte, P.*: Electron Correlation in the Seventies. Vol. 12, pp. 1—47.
- Hill, H. A. O., Röder, A., Williams, R. J. P.*: The Chemical Nature and Reactivity of Cytochrome P-450. Vol. 8, pp. 123—151.
- Hogenkamp, H. P. C., Sando, G. N.*: The Enzymatic Reduction of Ribonucleotides. Vol. 20, pp. 23—58.
- Hudson, R. F.*: Displacement Reactions and the Concept of Soft and Hard Acids and Bases. Vol. 1, pp. 221—223.

- Hulliger, F.*: Crystal Chemistry of Chalcogenides and Pnictides of the Transition Elements. Vol. 4, pp. 83—229.
- Iqbal, Z.*: Intra- und Inter-Molecular Bonding and Structure of Inorganic Pseudohalides with Triatomic Groupings. Vol. 10, pp. 25—55.
- Izatt, R.M., Eatough, D.J., Christensen, J.J.*: Thermodynamics of Cation-Macrocyclic Compound Interaction. Vol. 16, pp. 161—189.
- Jerome-Lerutte, S.*: Vibrational Spectra and Structural Properties of Complex Tetracyanides of Platinum, Palladium and Nickel. Vol. 10, pp. 153—166.
- Jørgensen, C.K.*: Electric Polarizability. Innocent Ligands and Spectroscopic Oxidation States. Vol. 1, pp. 234—248.
- Jørgensen, C.K.*: Recent Progress in Ligand Field Theory. Vol. 1, pp. 3—31.
- Jørgensen, C.K.*: Relations between Softness, Covalent Bonding, Ionicity and Electric Polarizability. Vol. 3, pp. 106—115.
- Jørgensen, C.K.*: Valence-Shell Expansion Studied by Ultra-violet Spectroscopy. Vol. 6, pp. 94—115.
- Jørgensen, C.K.*: The Inner Mechanism of Rare Earths Elucidated by Photo-Electron Spectra. Vol. 13, pp. 199—253.
- Jørgensen, C.K.*: Partly Filled Shells Constituting Anti-bonding Orbitals with Higher Ionization Energy than their Bonding Counterparts. Vol. 22, pp. 49—81.
- Jørgensen, C.K.*: Photo-electron Spectra of Non-metallic Solids and Consequences for Quantum Chemistry. Vol. 24, pp. 1—58.
- Jørgensen, C.K.*: Narrow Band Thermoluminescence (Candoluminescence) of Rare Earths in Auer Mantles. Vol. 25, pp. 1—20.
- Jørgensen, C.K.*: Deep-lying Valence Orbitals and Problems of Degeneracy and Intensities in Photo-electron Spectra. Vol. 30, pp. 141—192.
- Kimura, T.*: Biochemical Aspects of Iron Sulfur Linkage in None-Heme Iron Protein, with Special Reference to "Adrenodoxin". Vol. 5, pp. 1—40.
- Kjekshus, A., Rakke, T.*: Considerations on the Valence Concept. Vol. 19, pp. 45—83.
- Kjekshus, A., Rakke, T.*: Geometrical Considerations on the Marcasite Type Structure. Vol. 19, pp. 85—104.
- König, E.*: The Nephelauxetic Effect. Calculation and Accuracy of the Interelectronic Repulsion Parameters I. Cubic High-Spin d^2 , d^3 , d^7 and d^8 Systems. Vol. 9, pp. 175—212.
- Krumholz, P.*: Iron(II) Diimine and Related Complexes. Vol. 9, pp. 139—174.
- Lehn, J.-M.*: Design of Organic Complexing Agents. Strategies towards Properties. Vol. 16, pp. 1—69.
- Lindskog, S.*: Cobalt(II) in Metalloenzymes. A Reporter of Structure-Function Relations. Vol. 8, pp. 153—196.
- Llinás, M.*: Metal-Polypeptide Interactions: The Confirmational State of Iron Proteins. Vol. 17, pp. 135—220.
- Lucken, E.A.C.*: Valence-Shell Expansion Studied by Radio-Frequency Spectroscopy. Vol. 6, pp. 1—29.
- Ludi, A., Güdel, H.U.*: Structural Chemistry of Polynuclear Transition Metal Cyanides. Vol. 14, pp. 1—21.
- Maggiola, G.M., Ingraham, L.L.*: Chlorophyll Triplet States. Vol. 2, pp. 126—159.
- Magyar, B.*: Salzbulioskopie III. Vol. 14, pp. 111—140.
- Mayer, U., Gutmann, V.*: Phenomenological Approach to Cation-Solvent Interactions. Vol. 12, pp. 113—140.

- Mildvan, A. S., Grisham, C. M.*: The Role of Divalent Cations in the Mechanism of Enzyme Catalyzed Phosphoryl and Nucleotidyl. Vol. 20, pp. 1—21.
- Moreau-Colin, M. L.*: Electronic Spectra and Structural Properties of Complex Tetracyanides of Platinum, Palladium and Nickel. Vol. 10, pp. 167—190.
- Morris, D. F. C.*: Ionic Radii and Enthalpies of Hydration of Ions. Vol. 4, pp. 63—82.
- Morris, D. F. C.*: An Appendix to Structure and Bonding. Vol. 4 (1968). Vol. 6, pp. 157—159.
- Müller, A., Baran, E. J., Carter, R. O.*: Vibrational Spectra of Oxo-, Thio-, and Selenometallates of Transition Elements in the Solid State. Vol. 26, pp. 81—139.
- Müller, A., Diemann, E., Jørgensen, C. K.*: Electronic Spectra of Tetrahedral Oxo, Thio and Seleno Complexes. Formed by Elements of the Beginning of the Transition Groups. Vol. 14, pp. 23—47.
- Müller, U.*: Strukturchemie der Azide. Vol. 14, pp. 141—172.
- Neilands, J. B.*: Naturally Occurring Non-porphyrin Iron Compounds. Vol. 1, pp. 59—108.
- Neilands, J. B.*: Evolution of Biological Iron Binding Centers. Vol. 11, pp. 145—170.
- Nieboer, E.*: The Lanthanide Ions as Structural Probes in Biological and Model Systems. Vol. 22, pp. 1—47.
- Novack, A.*: Hydrogen Bonding in Solids. Correlation of Spectroscopic and Cristallographic Data. Vol. 18, pp. 177—216.
- Oelkrug, D.*: Absorption Spectra and Ligand Field Parameters of Tetragonal $3d$ -Transition Metal Fluorides. Vol. 9, pp. 1—26.
- Oosterhuis, W. T.*: The Electronic State of Iron in Some Natural Iron Compounds: Determination by Mössbauer and ESR Spectroscopy. Vol. 20, pp. 59—99.
- Orchin, M., Bollinger, D. M.*: Hydrogen-Deuterium Exchange in Aromatic Compounds. Vol. 23, pp. 167—193.
- Peacock, R. D.*: The Intensities of Lanthanide $f \leftrightarrow f$ Transitions. Vol. 22, pp. 83—122.
- Penneman, R. A., Ryan, R. R., Rosenzweig, A.*: Structural Systematics in Actinide Fluoride Complexes. Vol. 13, pp. 1—52.
- Reinen, D.*: Ligand-Field Spectroscopy and Chemical Bonding in Cr^{3+} -Containing Oxidic Solids. Vol. 6, pp. 30—51.
- Reinen, D.*: Kationenverteilung zweiwertiger $3d^n$ -Ionen in oxidischen Spinell-, Granat- und anderen Strukturen. Vol. 7, pp. 114—154.
- Reisfeld, R.*: Spectra and Energy Transfer of Rare Earths in Inorganic Glasses. Vol. 13, pp. 53—98.
- Reisfeld, R.*: Radiative and Non-Radiative Transitions of Rare Earth Ions in Glasses. Vol. 22, pp. 123—175.
- Reisfeld, R.*: Excited States and Energy Transfer from Donor Cations to Rare Earths in the Condensed Phase. Vol. 30, pp. 65—97.
- Sadler, P. J.*: The Biological Chemistry of Gold: A Metallo-Drug and Heavy-Atom Label with Variable Valency, Vol. 29, pp. 171—214.
- Schäffer, C. E.*: A Perturbation Representation of Weak Covalent Bonding. Vol. 5, pp. 68—95.
- Schäffer, C. E.*: Two Symmetry Parameterizations of the Angular-Overlap Model of the Ligand-Field. Relation to the Crystal-Field Model. Vol. 14, pp. 69—110.
- Schneider, W.*: Kinetics and Mechanism of Metalloporphyrin Formation. Vol. 23, pp. 123—166.
- Schutte, C. J. H.*: The Ab-Initio Calculation of Molecular Vibrational Frequencies and Force Constants. Vol. 9, pp. 213—263.

- Shannon, R. D., Vincent, H.: Relationship between Covalency, Interatomic Distances, and Magnetic Properties in Halides and Chalcogenides. Vol. 19, pp. 1—43.
- Shriver, D. F.: The Ambident Nature of Cyanide. Vol. 1, pp. 32—58.
- Siegel, F. L.: Calcium-Binding Proteins. Vol. 17, pp. 221—268.
- Simon, W., Morf, W. E., Meier, P. Ch.: Specificity for Alkali and Alkaline Earth Cations of Synthetic and Natural Organic Complexing Agents in Membranes. Vol. 16, pp. 113—160.
- Simonetta, M., Gavezzotti, A.: Extended Hückel Investigation of Reaction Mechanisms. Vol. 27, pp. 1—43.
- Sinha, S. P.: Structure and Bonding in Highly Coordinated Lanthanide Complexes. Vol. 25, pp. 67—147.
- Sinha, S. P.: A Systematic Correlation of the Properties of the f-Transition Metal Ions. Vol. 30, pp. 1—64.
- Smith, D. W.: Ligand Field Splittings in Copper(II) Compounds. Vol. 12, pp. 49—112.
- Smith, D. W., Williams, R. J. P.: The Spectra of Ferric Haems and Haemoproteins. Vol. 7, pp. 1—45.
- Speakman, J. C.: Acid Salts of Carboxylic Acids, Crystals with some “Very Short” Hydrogen Bonds. Vol. 12, pp. 141—199.
- Spiro, G., Saltman, P.: Polynuclear Complexes of Iron and their Biological Implications. Vol. 6, pp. 116—156.
- Strohmeier, W.: Problem und Modell der homogenen Katalyse. Vol. 5, pp. 96—117.
- Thompson, D. W.: Structure and Bonding in Inorganic Derivatives of β -Diketones. Vol. 9, pp. 27—47.
- Thomson, A. J., Williams, R. J. P., Reslova, S.: The Chemistry of Complexes Related to *cis*-Pt(NH₃)₂Cl₂. An Anti-Tumour Drug. Vol. 11, pp. 1—46.
- Tofield, B. C.: The Study of Covalency by Magnetic Neutron Scattering. Vol. 21, pp. 1—87.
- Trautwein, A.: Mössbauer-Spectroscopy on Heme Proteins. Vol. 20, pp. 101—167.
- Truter, M. R.: Structures of Organic Complexes with Alkali Metal Ions. Vol. 16, pp. 71—111.
- Warren, K. D.: Ligand Field Theory of Metal Sandwich Complexes. Vol. 27, pp. 45—159.
- Watson, R. E., Perlman, M. L.: X-Ray Photoelectron Spectroscopy. Application to Metals and Alloys. Vol. 24, pp. 83—132.
- Weakley, T. J. R.: Some Aspects of the Heteropolymolybdates and Heteropolytungstates. Vol. 18, pp. 131—176.
- Weissbluth, M.: The Physics of Hemoglobin. Vol. 2, pp. 1—125.
- Weser, U.: Chemistry and Structure of some Borate Polyol Compounds. Vol. 2, pp. 160—180.
- Weser, U.: Reaction of some Transition Metals with Nucleic Acids and their Constituents. Vol. 5, pp. 41—67.
- Weser, U.: Structural Aspects and Biochemical Function of Erythrocyuprein. Vol. 17, pp. 1—65.
- Willemse, J., Cras, J. A., Steggerda, J. J., Keijsers, C. P.: Dithiocarbamates of Transition Group Elements in “Unusual” Oxidation State. Vol. 28, pp. 83—126.
- Williams, R. J. P., Hale, J. D.: The Classification of Acceptors and Donors in Inorganic Reactions. Vol. 1, pp. 249—281.
- Williams, R. J. P., Hale, J. D.: Professor Sir Ronald Nyholm. Vol. 15, p. 1 and 2.
- Winkler, R.: Kinetics and Mechanism of Alkali Ion Complex Formation in Solution. Vol. 10, pp. 1—24.
- Wood, J. M., Brown, D. G.: The Chemistry of Vitamin B₁₂-Enzymes. Vol. 11, pp. 47—105.
- Wüthrich, K.: Structural Studies of Hemes and Hemoproteins by Nuclear Magnetic Resonance Spectroscopy. Vol. 8, pp. 53—121.
- Zumft, W. G.: The Molecular Basis of Biological Dinitrogen Fixation. Vol. 29, pp. 1—65.