

Author Index Volumes 1–67

- 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.
- Alonso, J. A., Balbás, L. C.: Simple Density Functional Theory of the Electronegativity and Other Related Properties of Atoms and Ions. Vol. 66, pp. 41–78.
- Ardon, M., Bino, A.: A New Aspect of Hydrolysis of Metal Ions: The Hydrogen-Oxide Bridging Ligand (H_3O_2^-). Vol. 65, pp. 1–28.
- Averill, B. A.: Fe-S and Mo-Fe-S Clusters as Models for the Active Site of Nitrogenase. Vol. 53, pp. 57–101.
- Babel, D.: Structural Chemistry of Octahedral Fluorocomplexes of the Transition Elements. Vol. 3, pp. 1–87.
- Bacci, M.: The Role of Vibronic Coupling in the Interpretation of Spectroscopic and Structural Properties of Biomolecules. Vol. 55, pp. 67–99.
- Baker, E. C., Halstead, G. W., Raymond, K. N.: The Structure and Bonding of 4f and 5f Series Organometallic Compounds. Vol. 25, pp. 21–66.
- Balsenc, L. R.: Sulfur Interaction with Surfaces and Interfaces Studied by Auger Electron Spectrometry. Vol. 39, pp. 83–114.
- Banci, L., Bencini, A., Benelli, C., Gatteschi, D., Zanchini, C.: Spectral-Structural Correlations in High-Spin Cobalt(II) Complexes. Vol. 52, pp. 37–86.
- Bartolotti, L. J.: Absolute Electronegativities as Determined from Kohn-Sham Theory. Vol. 66, pp. 27–40.
- 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.
- Bergmann, D., Hinze, J.: Electronegativity and Charge Distribution. Vol. 66, pp. 145–190.
- Bertini, I., Luchinat, C., Scozzafava, A.: Carbonic Anhydrase: An Insight into the Zinc Binding Site and into the Active Cavity Through Metal Substitution. Vol. 48, pp. 45–91.
- Blasse, G.: The Influence of Charge-Transfer and Rydberg States on the Luminescence Properties of Lanthanides and Actinides. Vol. 26, pp. 43–79.
- Blasse, G.: The Luminescence of Closed-Shell Transition Metal-Complexes. New Developments. Vol. 42, pp. 1–41.
- Blauer, G.: Optical Activity of Conjugated Proteins. Vol. 18, pp. 69–129.
- Bleijenberg, K. C.: Luminescence Properties of Uranate Centres in Solids. Vol. 42, pp. 97–128.
- Boeyens, J. C. A.: Molecular Mechanics and the Structure Hypothesis. Vol. 63, pp. 65–101.
- 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.
- Brooks, M. S. S.: The Theory of 5f Bonding in Actinide Solids. Vol. 59/60, pp. 263–293.
- 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.
- Buchler, J. W., Kokisch, W., Smith, P. D.: *Cis*, *Trans*, and *Metal* Effects in Transition Metal Porphyrins. Vol. 34, pp. 79–134.
- Bulman, R. A.: Chemistry of Plutonium and the Transuranics in the Biosphere. Vol. 34, pp. 39–77.

- Bulman, R. A.*: The Chemistry of Chelating Agents in Medical Sciences. Vol. 67, pp. 91-141.
- Burdett, J. K.*: The Shapes of Main-Group Molecules; A Simple Semi-Quantitative Molecular Orbital Approach. Vol. 31, pp. 67-105.
- Burdett, J. K.*: Some Structural Problems Examined Using the Method of Moments. Vol. 65, pp. 29-90.
- Campagna, M., Wertheim, G. K., Bucher, E.*: Spectroscopy of Homogeneous Mixed Valence Rare Earth Compounds. Vol. 30, pp. 99-140.
- Chasteen, N. D.*: The Biochemistry of Vanadium, Vol. 53, pp. 103-136.
- Cheh, A. M., Neilands, J. P.*: The δ -Aminolevulinic Dehydratases: Molecular and Environmental Properties. Vol. 29, pp. 123-169.
- Ciampolini, M.*: Spectra of 3d Five-Coordinate Complexes. Vol. 6, pp. 52-93.
- Chimiak, A., Neilands, J. B.*: Lysine Analogues of Siderophores. Vol. 58, pp. 89-96.
- Clack, D. W., Warren, K. D.*: Metal-Ligand Bonding in 3d Sandwich Complexes, Vol. 39, pp. 1-41.
- Clark, R. J. H., Stewart, B.*: The Resonance Raman Effect. Review of the Theory and of Applications in Inorganic Chemistry. Vol. 36, pp. 1-80.
- Clarke, M. J., Fackler, P. H.*: The Chemistry of Technetium: Toward Improved Diagnostic Agents. Vol. 50, pp. 57-78.
- Cohen, I. A.*: Metal-Metal Interactions in Metalloporphyrins, Metalloproteins and Metalloenzymes. Vol. 40, pp. 1-37.
- Connett, P. H., Wetterhahn, K. E.*: Metabolism of the Carcinogen Chromate by Cellular Constituents. Vol. 54, pp. 93-124.
- Cook, D. B.*: The Approximate Calculation of Molecular Electronic Structures as a Theory of Valence. Vol. 35, pp. 37-86.
- Cotton, F. A., Walton, R. A.*: Metal-Metal Multiple Bonds in Dinuclear Clusters. Vol. 62, pp. 1-49.
- 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.
- Daul, C., Schläpfer, C. W., von Zelewsky, A.*: The Electronic Structure of Cobalt(II) Complexes with Schiff Bases and Related Ligands. Vol. 36, pp. 129-171.
- Dehnicke, K., Shihada, A.-F.*: Structural and Bonding Aspects in Phosphorus Chemistry-Inorganic Derivates of Oxohalogeno Phosphoric Acids. Vol. 28, pp. 51-82.
- Dobiáš, B.*: Surfactant Adsorption on Minerals Related to Flotation. Vol. 56, pp. 91-147.
- Doughty, M. J., Diehn, B.*: Flavins as Photoreceptor Pigments for Behavioral Responses. Vol. 41, pp. 45-70.
- Drago, R. S.*: Quantitative Evaluation and Prediction of Donor-Acceptor Interactions. Vol. 15, pp. 73-139.
- Duffy, J. A.*: Optical Electronegativity and Nephelauxetic Effect in Oxide Systems. Vol. 32, pp. 147-166.
- Dunn, M. F.*: Mechanisms of Zinc Ion Catalysis in Small Molecules and Enzymes. Vol. 23, pp. 61-122.
- Emsley, E.*: The Composition, Structure and Hydrogen Bonding of the β -Deketones. Vol. 57, pp. 147-191.
- Englman, R.*: Vibrations in Interaction with Impurities. Vol. 43, pp. 113-158.
- Epstein, I. R., Kustin, K.*: Design of Inorganic Chemical Oscillators. Vol. 56, pp. 1-33.
- Ermer, O.*: Calculations of Molecular Properties Using Force Fields. Applications in Organic Chemistry. Vol. 27, pp. 161-211.
- Ernst, R. D.*: Structure and Bonding in Metal-Pentadienyl and Related Compounds. Vol. 57, pp. 1-53.
- 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.
- Fidelis, I. K., Mioduski, T.*: Double-Double Effect in the Inner Transition Elements. Vol. 47, pp. 27-51.
- Fournier, J. M.*: Magnetic Properties of Actinide Solids. Vol. 59/60, pp. 127-196.

- Fournier, J. M., Manes, L.*: Actinide Solids. 5f Dependence of Physical Properties. Vol. 59/60, pp. 1–56.
- Fraga, S., Valdemoro, C.*: Quantum Chemical Studies on the Submolecular Structure of the Nucleic Acids. Vol. 4, pp. 1–62.
- Fraústo da 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.
- Furlani, C., Cauletti, C.*: He(I) Photoelectron Spectra of *d*-metal Compounds. Vol. 35, pp. 119–169.
- Gázquez, J. L., Vela, A., Galván, M.*: Fukui Function, Electronegativity and Hardness in the Kohn-Sham Theory. Vol. 66, pp. 79–98.
- Gerloch, M., Harding, J. H., Woolley, R. G.*: The Context and Application of Ligand Field Theory. Vol. 46, pp. 1–46.
- Gillard, R. D., Mitchell, P. R.*: The Absolute Configuration of Transition Metal Complexes. Vol. 7, pp. 46–86.
- Gleitzer, C., Goodenough, J. B.*: Mixed-Valence Iron Oxides. Vol. 61, pp. 1–76.
- Gliemann, G., Yersin, H.*: Spectroscopic Properties of the Quasi One-Dimensional Tetracyanoplatinate(II) Compounds. Vol. 62, pp. 87–153.
- Golovina, A. P., Zorov, N. B., Runov, V. K.*: Chemical Luminescence Analysis of Inorganic Substances. Vol. 47, pp. 53–119.
- Green, J. C.*: Gas Phase Photoelectron Spectra of *d*- and *f*-Block Organometallic Compounds. Vol. 43, pp. 37–112.
- Grenier, J. C., Pouchard, M., Hagenmuller, P.*: Vacancy Ordering in Oxygen-Deficient Perovskite-Related Ferrites. Vol. 47, pp. 1–25.
- Griffith, J. S.*: On the General Theory of Magnetic Susceptibilities of Polynuclear Transitionmetal Compounds. Vol. 10, pp. 87–126.
- Gubelmann, M. H., Williams, A. F.*: The Structure and Reactivity of Dioxygen Complexes of the Transition Metals. Vol. 55, pp. 1–65.
- Gullard, R., Lecomte, C., Kadish, K. M.*: Synthesis, Electrochemistry, and Structural Properties of Porphyrins with Metal-Carbon Single Bonds and Metal-Metal Bonds. Vol. 64, pp. 205–268.
- Gütlich, P.*: Spin Crossover in Iron(II)-Complexes. Vol. 44, pp. 83–195.
- 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.
- Hathaway, B. J.*: A New Look at the Stereochemistry and Electronic Properties of Complexes of the Copper(II) Ion. Vol. 57, pp. 55–118.
- Hellner, E. E.*: The Frameworks (Bauverbände) of the Cubic Structure Types. Vol. 37, pp. 61–140.
- von Herigonte, P.*: Electron Correlation in the Seventies. Vol. 12, pp. 1–47.
- Hemmerich, P., Michel, H., Schug, C., Massey, V.*: Scope and Limitation of Single Electron Transfer in Biology. Vol. 48, pp. 93–124.
- Hider, R. C.*: Siderophores Mediated Absorption of Iron. Vol. 58, pp. 25–88.
- 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.
- Hoffmann, D. K., Ruedenberg, K., Verkade, J. G.*: Molecular Orbital Bonding Concepts in Polyatomic Molecules – A Novel Pictorial Approach. Vol. 33, pp. 57–96.
- Hubert, S., Hussonnois, M., Guillaumont, R.*: Measurement of Complexing Constants by Radiochemical Methods. Vol. 34, pp. 1–18.

- 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.
- Ibers, J. A., Pace, L. J., Martinsen, J., Hoffman, B. M.: Stacked Metal Complexes: Structures and Properties. Vol. 50, pp. 1–55.
- 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.
- Jain, V. K., Bohra, R., Mehrotra, R. C.: Structure and Bonding in Organic Derivatives of Antimony(V). Vol. 52, pp. 147–196.
- 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 Photoelectron Spectra. Vol. 30, pp. 141–192.
- Jørgensen, C. K.: Predictable Quarkonium Chemistry. Vol. 34, pp. 19–38.
- Jørgensen, C. K.: The Conditions for Total Symmetry Stabilizing Molecules, Atoms, Nuclei and Hadrons. Vol. 43, pp. 1–36.
- Jørgensen, C. K., Reisfeld, R.: Uranyl Photophysics. Vol. 50, pp. 121–171.
- O'Keeffe, M., Hyde, B. G.: An Alternative Approach to Non-Molecular Crystal Structures with Emphasis on the Arrangements of Cations. Vol. 61, pp. 77–144.
- Kimura, T.: Biochemical Aspects of Iron Sulfur Linkage in None-Heme Iron Protein, with Special Reference to "Adrenodoxin". Vol. 5, pp. 1–40.
- Kitagawa, T., Ozaki, Y.: Infrared and Raman Spectra of Metalloporphyrins. Vol. 64, pp. 71–114.
- Kiwi, J., Kalyanasundaram, K., Grätzel, M.: Visible Light Induced Cleavage of Water into Hydrogen and Oxygen in Colloidal and Microheterogeneous Systems. Vol. 49, pp. 37–125.
- 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^4 and d^8 Systems. Vol. 9, pp. 175–212.
- Koppikar, D. K., Sivapullaiah, P. V., Ramakrishnan, L., Soundararajan, S.: Complexes of the Lanthanides with Neutral Oxygen Donor Ligands. Vol. 34, pp. 135–213.
- Krause, R.: Synthesis of Ruthenium(II) Complexes of Aromatic Chelating Heterocycles: Towards the Design of Luminescent Compounds. Vol. 67, pp. 1–52.
- Krumholz, P.: Iron(II) Diimine and Related Complexes. Vol. 9, pp. 139–174.
- Kustin, K., McLeod, G. C., Gilbert, T. R., Briggs, LeB. R., 4th.: Vanadium and Other Metal Ions in the Physiological Ecology of Marine Organisms. Vol. 53, pp. 137–158.
- Labarre, J. F.: Conformational Analysis in Inorganic Chemistry: Semi-Empirical Quantum Calculation vs. Experiment. Vol. 35, pp. 1–35.
- Lammers, M., Follmann, H.: The Ribonucleotide Reductases: A Unique Group of Metalloenzymes Essential for Cell Proliferation. Vol. 54, pp. 27–91.
- Lehn, J.-M.: Design of Organic Complexing Agents. Strategies towards Properties. Vol. 16, pp. 1–69.

- Linarès, C., Louat, A., Blanchard, M.*: Rare-Earth Oxygen Bonding in the LnMO_3 Xenotime Structure. Vol. 33, pp. 179-207.
- Lindskog, S.*: Cobalt(II) in Metalloenzymes. A Reporter of Structure-Function Relations. Vol. 8, pp. 153-196.
- Liu, A., Neilands, J. B.*: Mutational Analysis of Rhodotorulic Acid Synthesis in *Rhodotorula pilimanae*. Vol. 58, pp. 97-106.
- Livorness, J., Smith, T.*: The Role of Manganese in Photosynthesis. Vol. 48, pp. 1-44.
- Llinás, M.*: Metal-Polypeptide Interactions: The Conformational 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.
- Maggiora, G. M., Ingraham, L. L.*: Chlorophyll Triplet States. Vol. 2, pp. 126-159.
- Magyar, B.*: Salzbulioskopie III. Vol. 14, pp. 111-140.
- Makovicky, E., Hyde, B. G.*: Non-Commensurate (Misfit) Layer Structures. Vol. 46, pp. 101-170.
- Manes, L., Benedict, U.*: Structural and Thermodynamic Properties of Actinide Solids and Their Relation to Bonding. Vol. 59/60, pp. 75-125.
- Mann, S.*: Mineralization in Biological Systems. Vol. 54, pp. 125-174.
- Mason, S. F.*: The Ligand Polarization Model for the Spectra of Metal Complexes: The Dynamic Coupling Transition Probabilities. Vol. 39, pp. 43-81.
- Mathey, F., Fischer, J., Nelson, J. H.*: Complexing Modes of the Phosphole Moiety. Vol. 55, pp. 153-201.
- 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.
- Mingos, D. M. P., Hawes, J. C.*: Complementary Spherical Electron Density Model. Vol. 63, pp. 1-63.
- Moreau-Colin, M. L.*: Electronic Spectra and Structural Properties of Complex Tetracyanides of Platinum, Palladium and Nickel. Vol. 10, pp. 167-190.
- Morgan, B., Dolphin, D.*: Synthesis and Structure of Biometric Porphyrins. Vol. 64, pp. 115-204.
- 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.
- Mortier, J. W.*: Electronegativity Equalization and its Applications. Vol. 66, pp. 125-143.
- 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.
- Müller, W., Spirlet, J.-C.*: The Preparation of High Purity Actinide Metals and Compounds. Vol. 59/60, pp. 57-73.
- Mullay, J. J.*: Estimation of Atomic and Group Electronegativities. Vol. 66, pp. 1-25.
- Murrell, J. N.*: The Potential Energy Surfaces of Polyatomic Molecules. Vol. 32, pp. 93-146.
- Naegele, J. R., Ghijsen, J.*: Localization and Hybridization of 5f States in the Metallic and Ionic Bond as Investigated by Photoelectron Spectroscopy. Vol. 59/60, pp. 197-262.
- Nag, K., Bose, S. N.*: Chemistry of Tetra- and Pentavalent Chromium. Vol. 63, pp. 153-197.
- 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.
- Neilands, J. B.*: Methodology of Siderophores. Vol. 58, pp. 1-24.
- 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 Crystallographic Data. Vol. 18, pp. 177-216.
- Nultsch, W., Häder, D.-P.*: Light Perception and Sensory Transduction in Photosynthetic Prokaryotes. Vol. 41, pp. 111-139.
- Odom, J. D.*: Selenium Biochemistry. Chemical and Physical Studies. Vol. 54, pp. 1-26.
- 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.
- Powell, R. C., Blasse, G.: Energy Transfer in Concentrated Systems. Vol. 42, pp. 43-96.
- Que, Jr., L.: Non-Heme Iron Dioxygenases. Structure and Mechanism. Vol. 40, pp. 39-72.
- Ramakrishna, V. V., Patil, S. K.: Synergic Extraction of Actinides. Vol. 56, pp. 35-90.
- Raymond, K. N., Smith, W. L.: Actinide-Specific Sequestering Agents and Decontamination Applications. Vol. 43, pp. 159-186.
- Reedijk, J., Fichtinger-Schepman, A. M. J., Oosterom, A. T. van, Putte, P. van de: Platinum Amine Coordination Compounds as Anti-Tumor Drugs. Molecular Aspects of the Mechanism of Action. Vol. 67, pp. 53-89.
- 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.
- Reinen, D., Friebel, C.: Local and Cooperative Jahn-Teller Interactions in Model Structures. Spectroscopic and Structural Evidence. Vol. 37, pp. 1-60.
- 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.
- Reisfeld, R., Jørgensen, C. K.: Luminescent Solar Concentrators for Energy Conversion. Vol. 49, pp. 1-36.
- Russo, V. E. A., Galland, P.: Sensory Physiology of *Phycomyces Blakesleeanus*. Vol. 41, pp. 71-110.
- Rüdiger, W.: Phytochrome, a Light Receptor of Plant Photomorphogenesis. Vol. 40, pp. 101-140.
- Ryan, R. R., Kubas, G. J., Moody, D. C., Eller, P. G.: Structure and Bonding of Transition Metal-Sulfur Dioxide Complexes. Vol. 46, pp. 47-100.
- 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.
- Scheidt, W. R., Lee, Y. J.: Recent Advances in the Stereochemistry of Metallotetrapyrroles. Vol. 64, pp. 1-70.
- Schmid, G.: Developments in Transition Metal Cluster Chemistry. The Way to Large Clusters. Vol. 62, pp. 51-85.
- Schmidt, P. C.: Electronic Structure of Intermetallic B 32 Type Zintl Phases. Vol. 65, pp. 91-133.
- Schneider, W.: Kinetics and Mechanism of Metalloporphyrin Formation. Vol. 23, pp. 123-166.
- Schubert, K.: The Two-Correlations Model, a Valence Model for Metallic Phases. Vol. 33, pp. 139-177.
- Schutte, C. J. H.: The Ab-Initio Calculation of Molecular Vibrational Frequencies and Force Constants. Vol. 9, pp. 213-263.
- Schweiger, A.: Electron Nuclear Double Resonance of Transition Metal Complexes with Organic Ligands. Vol. 51, pp. 1-122.
- Sen, K. D., Böhm, M. C., Schmidt, P. C.: Electronegativity of Atoms and Molecular Fragments. Vol. 66, pp. 99-123.
- Shamir, J.: Polyhalogen Cations. Vol. 37, pp. 141-210.
- 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, A.: Structure and Bonding with Alkali Metal Suboxides. Vol. 36, pp. 81-127.
- 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.
- Schmidt, W.*: Physiological Bluelight Reception. Vol. 41, pp. 1–44.
- 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.
- Smith, D. W.*: Applications of the Angular Overlap Model. Vol. 35, pp. 87–118.
- Solomon, E. I., Penfield, K. W., Wilcox, D. E.*: Active Sites in Copper Proteins. An Electric Structure Overview. Vol. 53, pp. 1–56.
- Somorjai, G. A., Van Hove, M. A.*: Adsorbed Monolayers on Solid Surfaces. Vol. 38, pp. 1–140.
- 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 and Modell der homogenen Katalyse. Vol. 5, pp. 96–117.
- Sugiura, Y., Nomoto, K.*: Phytosiderophores – Structures and Properties of Mugineic Acids and Their Metal Complexes. Vol. 58, pp. 107–135.
- Tam, S.-C., Williams, R. J. P.*: Electrostatics and Biological Systems. Vol. 63, pp. 103–151.
- Teller, R., Bau, R. G.*: Crystallographic Studies of Transition Metal Hydride Complexes. Vol. 44, pp. 1–82.
- Thompson, D. W.*: Structure and Bonding in Inorganic Derivates 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-Tumor 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.
- Tressaud, A., Dance, J.-M.*: Relationships Between Structure and Low-Dimensional Magnetism in Fluorides. Vol. 52, pp. 87–146.
- Tributsch, H.*: Photoelectrochemical Energy Conversion Involving Transition Metal d-States and Intercalation of Layer Compounds. Vol. 49, pp. 127–175.
- Truter, M. R.*: Structures of Organic Complexes with Alkali Metal Ions. Vol. 16, pp. 71–111.
- Umezawa, H., Takita, T.*: The Bleomycins: Antitumor Copper-Binding Antibiotics. Vol. 40, pp. 73–99.
- Vahrenkamp, H.*: Recent Results in the Chemistry of Transition Metal Clusters with Organic Ligands. Vol. 32, pp. 1–56.
- Valach, F., Koreň, B., Sivý, P., Melník, M.*: Crystal Structure Non-Rigidity of Central Atoms for Mn(II), Fe(II), Fe(III), Co(II), Co(III), Ni(II), Cu(II) and Zn(II) Complexes. Vol. 55, pp. 101–151.
- Wallace, W. E., Sankar, S. G., Rao, V. U. S.*: Field Effects in Rare-Earth Intermetallic Compounds. Vol. 33, pp. 1–55.
- Warren, K. D.*: Ligand Field Theory of Metal Sandwich Complexes. Vol. 27, pp. 45–159.
- Warren, K. D.*: Ligand Field Theory of f-Orbital Sandwich Complexes. Vol. 33, pp. 97–137.
- Warren, K. D.*: Calculations of the Jahn-Teller Coupling Costants for d^x Systems in Octahedral Symmetry via the Angular Overlap Model. Vol. 57, pp. 119–145.
- 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.
- Wendin, G.*: Breakdown of the One-Electron Pictures in Photoelectron Spectra. Vol. 45, pp. 1–130.
- 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 Erythrocuprein. Vol. 17, pp. 1–65.
- Weser, U.*: Redox Reactions of Sulphur-Containing Amino-Acid Residues in Proteins and Metalloproteins, an XPS-Study. Vol. 61, pp. 145–160.

- Willemse, J., Cras, J. A., Steggerda, J. J., Keijzers, C. P.*: Dithiocarbamates of Transition Group Elements in "Unusual" Oxidation State. Vol. 28, pp. 83–126.
- Williams, R. J. P.*: The Chemistry of Lanthanide Ions in Solution and in Biological Systems. Vol. 50, pp. 79–119.
- 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, pp. 1 and 2.
- Wilson, J. A.*: A Generalized Configuration-Dependent Band Model for Lanthanide Compounds and Conditions for Interconfiguration Fluctuations. Vol. 32, pp. 57–91.
- 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.
- Woolley, R. G.*: Natural Optical Activity and the Molecular Hypothesis. Vol. 52, pp. 1–35.
- Wüthrich, K.*: Structural Studies of Hemes and Hemoproteins by Nuclear Magnetic Resonance Spectroscopy. Vol. 8, pp. 53–121.
- Xavier, A. V., Moura, J. J. G., Moura, I.*: Novel Structures in Iron-Sulfur Proteins. Vol. 43, pp. 187–213.
- Zumft, W. G.*: The Molecular Basis of Biological Dinitrogen Fixation. Vol. 29, pp. 1–65.