

Author Index Volumes 1-82

- Ahrland, S.:* Factors Contributing to (b)-behavior 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.
- Alonso, J. A., Balbas, L. C.:* Hardness of Metallic Clusters. Vol. 80, pp. 229-258.
- Andersson, L. A., Dawson, J. H.:* EXAFS Spectroscopy of Heme-Containing Oxygenases and Peroxidases. Vol. 74, pp. 1-40.
- Ardon, M., Bino, A.:* A New Aspect of Hydrolysis of Metal Ions: The Hydrogen-Oxide Bridging Ligand (H_3O^-). Vol. 65, pp. 1-28.
- Armstrong, F. A.:* Probing Metalloproteins by Voltammetry. Vol. 72, pp. 137-221.
- Augustynski, J.:* Aspects of Photo-Electrochemical and Surface Behavior of Titanium(IV) Oxide. Vol. 69, pp. 1-61.
- 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.
- Baekelandt, B. G., Mortier, W. J., Schoonheydt, R. A.:* The EEM Approach to Chemical Hardness in Molecules and Solids: Fundamentals and Applications. Vol. 80, pp. 187-228.
- 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.
- Banci, L., Bertini, I., Luchinat, C.:* The ^1H NMR Parameters of Magnetically Coupled Dimers - The Fe_2S_2 Proteins as an Example. Vol. 72, pp. 113-136.
- 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 Configuration in Proteins: Studies by Mössbauer Spectroscopy. Vol. 8, pp. 1-52.
- Bergmann, D., Hinze, J.*: Electronegativity and Charge Distribution. Vol. 66, pp. 145-190.
- Bernser-Price, S.J., Sadler, P. J.*: Phosphines and Metal Phosphine Complexes: Relationship of Chemistry to Anticancer and Other Biological Activity. Vol. 70, pp. 27-102.
- 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.
- Betrand, P.*: Application of Electron Transfer Theories to Biological Systems. Vol. 75, pp. 1-48.
- 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.
- Blasse, G.*: Optical Electron Transfer Between Metal Ions and its Consequences. Vol. 76, pp. 153-188.
- 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.
- Boca, R., Breza, M., Pelikán, P.*: Vibronic Interactions in the Stereochemistry of Metal Complexes. Vol. 71, pp. 57-97.
- 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.
- Brateman, P. S.*: Spectra and Bonding in Metal Carbonyls. Part A: Bonding. Vol. 10, pp. 57-86.
- Brateman, 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.
- Brese, N. E., O'Keeffe, M.*: Crystal Chemistry of Inorganic Nitrides. Vol. 79, pp. 307-378.
- 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.
- Ceulemans, A., Vanquickenborne, L. G.*: The Epikernel Principle. Vol. 71, pp. 125-159.
- Chandrasekhar, V., Thomas, K. R.* *Justin*: Recent Aspects of the Structure and Reactivity of Cyclophosphazenes. Vol. 81, pp. 41-114.
- Chasteen, N. D.*: The Biochemistry of Vanadium. Vol. 53, pp. 103-136.
- Chattaraj, P. K., Parr, R. G.*: Density Functional Theory of Chemical Hardness. Vol. 80, pp. 11-26.
- Cheh, A. M., Neilands, J. P.*: The γ -Aminoacrylate 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. 1-141.
- Clarke, M. J., Gaul, J. B.*: Chemistry Relevant to the Biological Effects of Nitric Oxide and Metallonitrosyls. Vol. 81, pp. 147-181.
- Clarke, 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. 57-58.
- 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.
- Cooper, S. R., Rawle, S. C.*: Crown Thioether Chemistry. Vol. 72, pp. 1-72.
- 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.
- Deeth, R. J.*: Computational Modelling of Transition Metal Centres. Vol. 82, pp. 1-42.
- Dehnicke, K., Shihada, A.-F.*: Structural and Bonding Aspects in Phosphorus Chemistry-Inorganic Derivates of Oxohalogeno Phosphoric Acids. Vol. 28, pp. 51-82.
- Denning, R. G.*: Electronic Structure and Bonding in Actinyl Ions. Vol. 79, pp. 215-276.
- Dobiás, B.*: Surfactant Adsorption on Minerals Related to Flotation. Vol. 56, pp. 91-147.
- Doi, K., Antanaitis, B. C., Aisen, P.*: The Binuclear Iron Centers of Uteroferrin and the Purple Acid Phosphatases. Vol. 70, pp. 1-26.
- 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.
- Drillon, M., Darriet, J.*: Progress in Polymetallic Exchange-Coupled Systems, some Examples in Inorganic Chemistry. Vol. 79, pp. 55-100.
- Dubhghaill, O. M. Ni, Sadler, P. J.*: The Structure and Reactivity of Arsenic Compounds. Biological Activity and Drug Design. Vol. 78, pp. 129-190.
- 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 -Diketones. 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. 1-133.
- 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.
- Evain, M., Brec, R.*: A New Approach to Structural Description of Complex Polyhedra Containing Polychalcogenide Anions. Vol. 79, pp. 277-306.

- 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.
- Fricke, J., Emmerling, A.*: Aerogels-Preparation, Properties, Applications. Vol. 77, pp. 37-88.
- Frenking, G., Cremer, D.*: The Chemistry of the Noble Gas Elements Helium, Neon, and Argon - Experimental Facts and Theoretical Predictions. Vol. 73, pp. 17-96.
- 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.
- Gazquéz, J. L.*: Hardness and Softness in Density Functional Theory. Vol. 80, pp. 27-44.
- 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. 48-86.
- 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.
- Guilard, 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 $3-\Gamma$ 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 Cuppes (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.
- Henry, M., J. P. Jolivet, Livage, J.:* Aqueous Chemistry of Metal Cations: Hydrolysis, Condensation and Complexation. Vol. 77, pp. 153-206.
- Hider, R. C.:* Siderophores Mediated Absorption of Iron. Vol. 57, 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.
- Hilpert, K.:* Chemistry of Inorganic Vapors. Vol. 73, pp. 97-198.
- Hogenkamp, H. P. C., Sando, G. N.:* The Enzymatic Reduction of Ribonucleotides. Vol. 20, pp. 23-58.
- Hoffman, B. M., Natan, M. J., Nocek, J. M., Wallin, S. A.:* Long-Range Electron Transfer Within Metal-Substituted Protein Complexes. Vol. 75, pp. 85-108.
- 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., Hussonois, 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., Hoffmann, B. M.:* Stacked Metal Complexes: Structures and Properties. Vol. 50, pp. 1-55.
- Iqbal, Z.:* Intra- and 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.:* Heavy Elements Synthesized in Supernovae and Detected in Peculiar A-type Stars. Vol. 73, pp. 199-226.
- Jørgensen, C. K.:* Recent Progress in Ligand Field Theory. Vol. 1, pp. 3-31.
- Jørgensen, C. K.:* Relationship 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.
- 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., Frenking, G.*: Historical, Spectroscopic and Chemical Comparison of Noble Gases. Vol. 73, pp. 1-16.
- Jørgensen, C. K., Kauffmann, G. B.*: Crookes and Marignac - A Centennial of an Intuitive and Pragmatic Appraisal of „Chemical Elements“ and the Present Astrophysical Status of Nucleosynthesis and „Dark Matter“. Vol. 73, pp. 227-254.
- Jørgensen, C. K., Reisfeld, R.*: Uranyl Photophysics. Vol. 50, pp. 121-171.
- O'Keeffe, M.*: The Prediction and Interpretation of Bond Lengths in Crystals. Vol. 71, pp. 161-190.
- 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.
- Kahn, O.*: Magnetism of the Heteropolymetallic Systems. Vol. 68, pp. 89-167.
- Keppeler, B. K., Friesen, C., Moritz, H. G., Vongerichten, H., Vogel, E.*: Tumor-Inhibiting Bis (β -Diketonato) Metal Complexes. Budotitane, cis-Diethoxybis (1-phenylbutane-1,3-dionato) titanium (IV). Vol. 78, pp. 97-128.
- Kimura, T.*: Biochemical Aspects of Iron Sulfur Linkage in Non-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^7 and d^8 Systems. Vol. 9, pp. 175-212.
- König, E.*: Nature and Dynamics of the Spin-State Interconversions in Metal Complexes. Vol. 76, pp. 51-152.
- Köpf-Maier, P., Köpf, H.*: Transition and Main-Group Metal Cyclopentadienyl Complexes: Preclinical Studies on a Series of Antitumor Agents of Different Structural Type. Vol. 70, pp. 103-185.
- Komorowski, L.*: Hardness Indices for Free and Bonded Atoms. Vol. 80, pp. 45-70.
- Koppikar, D. K., Sivapullaia, 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.
- Kuki, A.*: Electronic Tunneling Paths in Proteins. Vol. 75, pp. 49-84.
- 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.
- Leciejewicz, J., Alcock, N. W., Kemp, T. J.*: Carboxylate Complexes of the Uranyl Ion: Effects of Ligand Size and Coordination Geometry Upon Molecular and Crystal Structure. Vol. 82, pp. 43-84.
- 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 LnMO₄ 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 philimanae*. 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.
- Lutz, H. D.*: Bonding and Structure of Water Molecules in Solid Hydrates. Correlation of Spectroscopic and Structural Data. Vol. 69, pp. 125.
- Lutz, H. D.*: Hydroxide Ions in Condensed Materials - Correlation of Spectroscopy and Structural Data. Vol. 82, pp. 85-104.
- 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.
- March, N. H.*: The Ground-State Energy of Atomic and Molecular Ions and Its Variation with the Number of Electrons. Vol. 80, pp. 71-86.
- 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.
- Mauk, A. G.*: Electron Transfer in Genetically Engineered Proteins. The Cytochrome *c* Paradigm. Vol. 75, pp. 131-158.
- Mayer, U., Gutmann, V.*: Phenomenological Approach to Cation-Solvent Interactions. Vol. 12, pp. 113, 140.
- Mazumdar, S., Mitra, S.*: Biomimetic Chemistry of Hemes Inside Aqueous Micelles. Vol. 81, pp. 115-145.
- McLendon, G.*: Control of Biological Electron Transport via Molecular Recognition and Binding: The „Velcro“ Model. Vol. 75, pp. 159-174.
- Mehrotra, R. C.*: Present Status and Future Potential of the Sol-Gel Process. Vol. 77, pp. 1-36.
- 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.

- Mingos, D. M. P., Johnston, R. L.:* Theoretical Models of Cluster Bonding. Vol. 68, pp. 29-87.
- Mingos, D. M. P., Zhenyang, L.:* Non-Bonding Orbitals in Co-ordination Hydrocarbon and Cluster Compounds. Vol. 71, pp. 1-56.
- Mingos, D. M. P., Zhenyang, L.:* Hybridization Schemes for Co-ordination and Organometallic Compounds, Vol. 72, pp. 73-112.
- Mingos, D. M. P., McGrady, J. E., Rohl, A. L.:* Moments of Inertia in Cluster and Coordination Compounds. Vol. 79, pp. 1-54.
- 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.
- Mortensen, O. S.:* A Noncommuting-Generator Approach to Molecular Symmetry. Vol. 68, pp. 1-28.
- 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., Spirllet, 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. M.:* 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.
- Nalewajski, R. F.:* The Hardness Based Molecular Charge Sensitivities and Their Use in the Theory of Chemical Reactivity. Vol. 80, pp. 115-186.
- 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, 83-122.
- Pearson, R. G.:* Chemical Hardness - An Historical Introduction. Vol. 80, pp. 1-10.
- Penneman, R. A., Ryan, R. R., Rosenzweig, A.:* Structural Systematics in Actinide Fluoride Complexes. Vol. 13, pp. 1-52.

- Politzer, P., Murray, J. S., Grice, M. E.*: Charge Capacities and Shell Structures of Atoms. Vol. 80, pp. 101-114.
- 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.
- Ravikanth, M., Chandrashekar, T. K.*: Nonplanar Porphyrins and Their Biological Relevance: Ground and Excited State Dynamics. Vol. 82, pp. 105-188.
- Reedijk, J., Fichtinger-Schepman, A. M. J., Oosterom, A. T. van, Putte, P. van de*: Platinum Amine Coordination Compounds as Anti-Tumour Drugs. Molecular Aspects of the Mechanism of Action. Vol. 67, pp.53-89.
- Reinen, D.*: Ligand-Field Spectroscopy and Chemical Bonding in Cr³⁺-Containing Oxidic Solids. Vol. 6, pp. 30-51.
- Reinen, D.*: Kationenverteilung zweiseitiger 3dⁿ-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.
- Reisfeld, R., Jørgensen, C. K.*: Excited States of Chromium(III) in Translucent Glass-Ceramics as Prospective Laser Materials. Vol. 69, pp. 63-96.
- Reisfeld, R., Jørgensen, Ch. K.*: Optical Properties of Colorants or Luminescent Species in Sol-Gel Glasses. Vol. 77, pp. 207-256.
- 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.
- Sakka, S., Yoko, T.*: Sol-Gel-Derived Coating Films and Applications. Vol. 77, pp. 89-118.
- 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.
- Schmidt, H.*: Thin Films, the Chemical Processing up to Gelation. Vol. 77, pp. 115-152.
- Schmidtko, H.-H., Degen, J.*: A Dynamic Ligand Field Theory for Vibronic Structures Rationalizing Electronic Spectra of Transition Metal Complex Compounds. Vol. 71, pp. 99-124.
- 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.
- Schultz, H., Lehmann, H., Rein, M., Hanack, M.*: Phthalocyaninatometal and Related Complexes with Special Electrical and Optical Properties. Vol. 74, pp. 41-146.
- 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.
- Sen, K.*: Isoelectronic Changes in Energy, Electronegativity, and Hardness in Atoms via the Calculations of $\langle r^{-1} \rangle$. Vol. 80, pp. 87-100.
- 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 of Alkali and Alkaline Earth Cations of Synthetic and Natural Organic Complexing Agents in Membranes. Vol. 16, pp. 113-160.
- Simonetta, M., Gavezotti, 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 Bioluminescence. 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.
- Salomon, 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 und 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.
- Sykes, A. G.*: Plastocyanin and the Blue Copper Proteins. Vol. 75, pp. 175-224.
- 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.
- Therien, M. J., Chang, J., Raphael, A. L., Bowler, B. E., Gray, H. B.*: Long-Range Electron Transfer in Metalloproteins. Vol. 75, pp. 109-130.
- 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(NH₂)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.

- Thiel, R. C., Benfield, R. E., Zanoni, R., Smit, H. H. A., Dirken, M. W.*: The Physical Properties of the Metal Cluster Compound $\text{Au}_{55}(\text{PPh}_3)_{12}\text{Cl}_6$. Vol. 81, pp. 1-40.
- Trautwein, A.*: Mössbauer-Spectroscopy on Heme Proteins. Vol. 20, pp. 101-167.
- Trautwein, A. X., Bill, E., Bominaar, E. L., Winkler, H.*: Iron-Containing Proteins and Related Analogs- Complementary Mössbauer, EPR and Magnetic Susceptibility Studies. Vol. 78, pp. 1-96.
- 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., Kóren, 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 Constants 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 Erythrocyte Hemoglobin. 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.
- West, D. C., Padhye, S. B., Sonawane, P. B.*: Structural and Physical Correlations in the Biological Properties of Transition Metal Heterocyclic Thiosemicarbazone and S-alkyldithiocarbamate Complexes. Vol. 76, pp. 1-50.
- 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.

Zanello, P.: Stereochemical Aspects Associated with the Redox Behaviour of Heterometal Carbonyl Clusters. Vol. 79, pp. 101-214.

Zumft, W. G.: The Molecular Basis of Biological Dinitrogen Fixation. Vol. 29, pp. 1-65.