

## SUBJECT INDEX TO VOLUME 9

*Each page number refers to the first page of a given reference*

- Acetylcholinesterase, as a membrane protein, 9  
Activity coefficients, of alkali chlorides in serum albumin solutions, 37  
Adsorption, of uracil derivatives at mercury electrode, 355  
Antibiotic X-537 A, NMR study of complexes in methanol, 23  
Association constants, of proteins by electrophoresis measurements, 149  
Association equilibria, between multisite proteins and polymeric ligands, 383  
  
Bence-Jones protein Au, kinetics of dimerization, 57  
Binding, of CO by hemoglobin trout 1, 235  
Binding sites, generation in enzymatic systems of heterogeneity in, 251  
  
Chlorophyll *a*, influence on intermolecular interactions in liquid crystal, 369  
Chromatography, glass bead exclusion, 47  
Circular dichroism, of human erythrocyte membranes, 15  
Coexistence, in systems of biological interest, 245  
Competition, in systems of biological interest, 245  
Conductivity, of polyelectrolytes, 79  
Cyclase, model for diffusion mediated coupling to membrane receptors, 163  
  
Dielectric studies, high field effects for aqueous myoglobin solutions, 91  
Diffusion coefficient (rotational), of 70S ribosome determined by depolarized light scattering, 345  
Diffusion coefficient, of proteins absorbed on DNA, 413  
Diffusion, effect on polymer size distribution determination by quasielastic light scattering, 97  
Diffusion, theoretical model for receptor-cyclase coupling mediated by, 163  
Dimerization, of Bence-Jones Protein Au (kinetics), 57  
  
DNA, diffusion coefficient of proteins absorbed on, 413  
DNA, electrochemical behaviour at graphite electrodes of, 289  
DNA, interaction of phenosafranine with base pairs of, 121  
DNA, instrumentation for visco-elastometry of solutions of, 133  
DNA, rotor speed dependent sedimentation of, 375  
  
1, N<sup>6</sup>-ethenoadenosine monophosphate, interaction with nucleotides, 105  
Electrochemistry, of native and denatured DNA, 289  
Electrophoresis, association constants of protein by, 149  
Energy-barrier models, for membrane transport, 111  
Energy transfer, frequency distribution of orientation factor in, 211  
Erythrocyte membrane, circular dichroism of, 15  
  
Fluorescence decay measurements, of plasma amine oxidase, 157  
Fluorescence, 1, N<sup>6</sup>-ethenoadenosine monophosphate-nucleotide interaction studied by, 105  
Fluorescence, indole derivatives and proteins in mixed solvents, 223  
Frequency distribution, of dipole-dipole interaction orientation factor, 211  
  
Gel chromatography, continuous direct optical scanning in, 299, 311, 329  
  
Helical structures, ribo-oligoadenylic acids in mixed solvents, 71  
Helix-coil transition, of polypeptide; kinetic studies, 137.  
Hemocyanin, structure of the CO-binding site from I.R., spectroscopy, 163  
Hemoglobin trout 1, thermodynamics of CO binding to, 235

- Hydrodynamic properties, of yeast phosphoglycerate kinase, 215
- Hypercyclic interaction, in systems of biological interest, 245
- Infrared spectroscopy, study of CO-hemocyanin complexes, 163
- Initiation factor IF3, influence on relaxation kinetics of ribosomes, 405
- Kinetics, of Bence-Jones protein Au dimerization, 57
- Kinetics, of fluorescence deactivation for indole derivatives and proteins in mixed solvents, 223
- Kinetics, of helix-coil transition of polypeptide, 137
- Kinetics, of helix-coil transition of poly(-L-lysine), 201
- Kinetics, relaxation studies of ribosomes complexes, 405
- Lasalocid A, NMR study of complexes in methanol, 23
- Macromolecules, symmetry in the study of biological, 1
- Membrane, circular dichroism of human erythrocyte, 15
- Membrane protein, acetylcholinesterase as a, 9
- Membrane transport, energy-barrier models for, 111
- Myoglobin, high electric field dielectric studies of solutions, 91
- Nanosecond spectroscopy, of plasma amine oxidase, 157
- NMR, of the antibiotic X-537 A complexes in methanol, 23
- NMR, study of site-binding of divalent paramagnetic counterions to polyelectrolytes by, 181
- NMR, study of water in phospholipid bilayers by, 195
- Nucleotides, interaction with 1, N<sup>6</sup>-ethenoadenosine monophosphate, 105
- Orientation factor, of dipole-dipole interaction, 211
- Order-disorder transition, or ribo-oligoadenylic acids, 71
- Oxyhemoglobin A, study of dimer-tetramer equilibria by scanning molecular sieve chromatography, 329
- Papain, role of the active site helix in, 273
- Pesinogen, alkaline transition of, 281
- Phenosafranine, interaction with DNA base pairs, 121
- Phospholipid bilayers, water in, 195
- Phosphorylase b, generation of binding sites in, 251
- Phosphorylase b, thermodynamics of nucleotides binding to, 263
- Plasma amine oxidase, nanosecond spectroscopy of, 157
- Polarizability, of polyelectrolytes, 65
- Polyelectrolytes, chemical model for limiting laws and condensation, 65
- Polyelectrolytes, equivalent conductivity, 79
- Polyelectrolytes, site-binding of divalent paramagnetic counterions, 181
- Polyelectrolytes, two phase model for limiting laws and condensation, 397
- Poly(-L-lysine), kinetics of helix-coil transition, 201
- Polymerization equilibria, studied by glass bead exclusion chromatography, 47
- Polymer size distribution, determination by quasi-elastic light scattering, 97
- Prolyl hydroxylases, association equilibria with polymeric ligands, 383
- Protein, acetylcholinesterase as a membrane, 9
- Protein, study of interaction by scanning molecular sieve chromatography, 311
- Proteins, association constants by electrophoresis measurements, 149
- Proteins, binding of randomly coiled polymeric ligands to multisite, 383
- Proteins, diffusion coefficient of DNA bound, 413
- Proteins, study of interaction by scanning molecule sieve chromatography, 299, 329
- Proteins, temperature effect on U.V. spectra of chromophores of, 393
- Proteins, tryptophyl fluorescence in mixed solvents, 223
- Quasielastic light scattering, for determination of polymer size distribution, 97
- Quasi-elastic light scattering, rotational diffusion coefficient of 70S ribosome by depolarized, 345
- Ribo-oligoadenylic acids, stabilization of helical structure, 71
- Ribosome (70S), depolarized light scattering study of, 345
- Ribosomes, relaxation kinetics of complexes with, 405

- Scanning molecular sieve chromatography, determination of transport parameters by, 299
- Scanning molecular sieve chromatography, effect of kinetic parameters on equilibration in, 311
- Scanning molecular sieve chromatography, study of dimer-tetramer equilibria of oxyhemoglobin A by, 329
- Sedimentation, influence of rotor speed on DNA rate of, 375
- Serum albumin, activity coefficients of alkali chlorides in solutions of, 37
- Site-binding, of divalent paramagnetic counterions to polyelectrolytes, 181
- Symmetry, in the study of biological macromolecules, 1
- Temperature-jump technique, study of helix-coil transition of poly(-L-lysine) by, 201
- Thermodynamics, of CO binding to hemoglobin trout 1, 235
- Thermodynamics, of nucleotides binding to phosphor-ylase b, 263
- Transition, of swine pepsinogen induced by alkaline pH, 281
- Ultrasonics, relaxation measurements for kinetic studies of helix-coil transition of polypeptide, 137
- Ultra-violet spectroscopy, temperature effect on protein chromophores, 393
- Uracil derivatives, adsorption study at mercury electrode, 355
- Visco-elastometry, instrumentation for DNA solutions, 133
- Water, orientation and motion in phospholipid bilayers, 195
- Yeast phosphoglycerate kinase, shape and hydrodynamic properties of, 215