

## SUBJECT INDEX TO VOLUME 8

- Activity coefficients, of alkali metal chlorides in alkali-metal dextranulfates solutions, 191  
Agglutinins,  $Mn^{2+}$ -ESR spectra, 215  
Aldose reductase inhibitors, structure-activity studies, 81  
Allophycocyanins, spectroscopic studies of, 369  
AMP, interaction with spermidine, 357  
Antithyroid drugs, ESR and FT-NMR of complexes with  $Fe(I)(NO)_2$ , 61  
Association kinetics, chain length dependence, 135  
Association kinetics, ionic strength dependence, 271  
Association kinetics, of LAC repressor-operator, 281  
  
Base stacking, in rApA, 393  
Binding curves, analysis of, 53  
Binding, of large ligands to one-dimensional lattice, 317  
Brussellator, detailed analysis of the, 235  
  
Calorimetry, enthalpy change in rApA stacking, 393  
Carbonic anhydrase, Co(II) ESR studies, 267  
Carcinogens, interaction with DNA, 385  
Circular dichroism, study of conformational changes of DNA and polydeoxyribonucleotides, 377  
Circular DNA, of ColE<sub>1</sub>-plasmid, 171  
Conformational transitions, of parvalbumin, 117  
Current noise, in discrete transport systems, 255  
  
Denaturation, of DNA and polydeoxyribonucleotides, 377  
Denaturation, of  $\alpha$ -Lactalbumin, 247  
Denaturation, of phycocyanins, 203  
Dextranase, influence of pressure on action of, 163  
Dextranucrase, influence of pressure on action of, 163  
Dextranulfates, mean activity coefficients of alkali metal chlorides in mixtures of, 191  
Diffusion, coupled to association kinetics, 271  
Diffusion, rate enhancement by guided, 135  
DNA, binding of phenosafranine to, 27  
DNA, binding study of N-acetoxy-N-2-acetylaminofluorene to, 385  
DNA, effect of  $(CH_3)_4N^+$  on conformational changes, 377  
DNA, isolation and physical studies on ColE<sub>1</sub>-Plasmid DNA, 171  
DNA, kinetics of interactions with proteins, 281  
DNA, linear dichroism of complexes with dyes, 1  
DNA, renaturation kinetics, 41  
  
Electro-optical studies, of poly-N-methyl-2-vinylpyridinium, 221  
Enzymatic reactions, by immobilized enzymes, 105  
Enzymatic reactions, pressure dependence of, 163  
ESR, of antithyroid drugs –  $Fe(I)(NO)_2$  complexes, 61  
ESR, of Co(II)carbonic anhydrase, 267  
ESR, of  $Mn^{2+}$ -Lectins, 215  
  
Fluorescence, of allophycocyanins, 369  
Fluorescence, of tyrosyl peptides, 87  
  
Glycolytic system: field induced instabilities, 71  
  
Immobilized enzymes, reactions in continuous stirred tank reactor, 105  
Inhibitors, of aldose reductase, 81  
Invertase, influence of pressure on action of, 163  
  
Kinetics, of DNA renaturation, 41  
Kinetics, of  $\alpha$ -Lactalbumin denaturation, 247  
Kinetics, of  $Pr^{3+}$  transport across membranes, 341  
Kinetics, of repressor-operator association, 135, 271, 281  
  
LAC repressor-operator interactions, kinetics of, 281  
 $\alpha$ -Lactalbumin, thermodynamics and kinetics of unfolding, 247  
Lectins,  $Mn^{2+}$ -ESR spectra, 215  
Ligand-oligonucleotide interactions, model studies of lattice-length dependence, 317  
Linear dichroism, of DNA complexes, 1  
Linear dichroism, study of interaction between DNA and carcinogen, 385

Lipid bilayers, ultrasonic studies of, 295

Membranes, kinetics of  $\text{Pr}^{3+}$  transport across phospholipid vesicular, 341

Membrane, thermosmosis through charged, 111

Muscle fibers, optical diffraction studies of stratified, 305

N-acetoxy-N-2-acetylaminofluorene, binding to DNA, 385

NMR, of antithyroid drugs —  $\text{Fe(I)(NO)}_2$  complexes, 61

NMR, spermidine and 5'-AMP interaction studies, 357

NMR, study of transport of  $\text{Pr}^{3+}$  through membranes, 341

Noise spectra, in discrete transport systems, 255

Optical diffraction studies, of muscle fibers, 305

1-oxo-4H-chromen-2-carboxylic acids, inhibitory activity on aldose reductase, 81

Parvalbumin, thermodynamics of, 117

Phase transitions, in phosphatidylcholine liposomes, 295

Phenosafranine, binding to DNA, 27

Phenosafranine, self-aggregation and complexes with polyphosphates, 17

Phosphatidylcholine liposomes, ultrasonic studies of phase transitions in, 295

Phycocyanins, stability towards unfolding of different, 203

Polarizability, of poly-N-methyl-2-vinylpyridinium, 221

Polyamines, interaction with 5'-AMP, 357

Polydeoxynucleotides, radiation damage and melting transition, 123

Polydeoxyribonucleotides, effect of  $(\text{CH}_3)_4\text{N}^+$  on conformational changes, 377

Poly-N-methyl-2-vinylpyridinium, electro-optical studies of, 221

Polyphosphates, complexes with phenosafranine, 17

Pulsefluorimetry, of tyrosyl peptides, 87

Radiation damage, of polydeoxynucleotides, 123

rApA, pH-induced unstacking of, 393

Reaction-diffusion systems, stability analysis, 235

Repressor-operator association, kinetics, 135, 271, 281

Spermidine, interaction with 5'-AMP, 357

Stability analysis, of a reaction-diffusion system, 235

Stability analysis, of glycolytic systems, 71

Substrate conversion, by immobilized enzymes, 105

Supercoiled DNA, of ColE1-plasmid, 171

Thermodynamics, of base stacking in rApA, 393

Thermodynamics, of  $\alpha$ -Lactalbumin denaturation, 247

Thermodynamics, of parvalbumin, 117

Thermodynamics, of phycocyanins denaturation, 203

Thermodynamics, of uracil derivatives' adsorption, 151

Thermosmosis, through charged membranes, 111

Tyrosyl peptides, pulsefluorimetry, 87

Ultrasonic studies, of lipid bilayer, 295

Uracil derivatives, thermodynamics of adsorption of, 151