

SUBJECT INDEX TO VOLUME 28 (1987)

- Adenosine triphosphate**
Optical absorption; Copper ion (Onori, G.) 183
- Albumin**
Diffusion constant; Dynamic light scattering; Charge effect; Polyelectrolyte (Hirakawa, F.) 253
- Amino acid-mononucleoside interaction**
Ultraviolet absorbance; Hydrogen bonding; Stacking (Shimizu, M.) 169
- γ -Aminobutyric acid**
Fourier transform infrared spectroscopy; Membrane model; Neurotransmitter; Dihexadecyl phosphate vesicle; Histamine; Histamine-GABA interaction (Nafi, M.M.) 207
- Anisotropy decay**
Fluorescence decay (Ludescher, R.D.) 59
- Apparent number average molecular weight**
Ovalbumin; Lysozyme; Membrane osmometry; Mixed association; Nonideal solution; Association constant (McCarty, B.W.) 149
- Association constant**
Ovalbumin; Lysozyme; Membrane osmometry; Mixed association; Nonideal solution; Apparent number average molecular weight (McCarty, B.W.) 149
- Bacteriorhodopsin**
Mosaic nonequilibrium thermodynamics; Optimization, Entropy production; Proton pumping, Slip; Coupling (Juretić, D.) 21
- Binding constant**
Sedimentation equilibrium; Heterogeneous association; Self-association; Stoichiometry; Nonlinear regression (Lollar, P.) 245
- Bohr effect**
Oxygen affinity; Hemoglobin S; pH dependence; Phosphate effect; Polyphosphate effect (Campbell, B.) 215
- Boundary condition approach**
Chemoreception (Geurts, B.J.) 7
- Bovine serum albumin**
Fluorescence lifetime; Tryptophan fluorescence; Fluorescence anisotropy decay; pH effect; Protein conformation (Brewer, J.M.) 77
- Bulk modulus anomaly**
 Ca^{2+} ; Phospholipid binding; Ca^{2+} -binding fluctuation (Suezaki, Y.) 13
- Ca^{2+}**
Phospholipid binding; Bulk modulus anomaly; Ca^{2+} -binding fluctuation (Suezaki, Y.) 13
Parvalbumin; α -Lactalbumin; Mg^{2+} ; Dissociation kinetics (Permyakov, E.A.) 225
- Ca^{2+} -binding fluctuation**
 Ca^{2+} ; Phospholipid binding; Bulk modulus anomaly (Suezaki, Y.) 13
- Calcium phosphate**
Hydrogen bond; Protein side chain; Infrared spectroscopy (Carmona, P.) 161
- Charge effect**
Diffusion constant; Dynamic light scattering; Albumin; Polyelectrolyte (Hirakawa, F.) 253
- Chemoreception**
Boundary condition approach (Geurts, B.J.) 7
- Chlorophyll**
Magnetic circular dichroism; Liquid crystal (Fraczkowiak, D.) 101
- Chromatin**
Protein ϕ_0 ; Histone H1; Nucleosome; Spermatogenesis (Olivares, C.) 51
- Coated pit**
Membrane protein; Receptor diffusion; Fractional exponential decay (Wiegel, F.W.) 1
- Conformational analysis**
Nuclear Overhauser effect; 2D NMR; Molecular model; Lipopeptide; Spin diffusion (Marion, D.) 235
- Copper ion**
Optical absorption; Adenosine triphosphate (Onori, G.) 183
- Counterion binding**
Sound velocity; Polyacrylate; Tetraalkylammonium ion; Neutralization degree (Koda, S.) 115
- Coupling**
Mosaic nonequilibrium thermodynamics; Bacteriorhodopsin; Optimization; Entropy production; Proton pumping; Slip (Juretić, D.) 21
- Cross-linked crystal**
Lysozyme; Stress-strain diagram; Mechanical denaturation; Ultimate strength (Gorelov, A.V.) 199
- Decay-time distribution**
Fluorescence decay; Kinetics; Frequency-domain fluorometry (Lakowicz, J.R.) 35
- Diffusion constant**
Dynamic light scattering; Albumin; Charge effect; Polyelectrolyte (Hirakawa, F.) 253
- Dihexadecyl phosphate vesicle**
Fourier transform infrared spectroscopy; Membrane model; Neurotransmitter; Histamine; γ -Aminobutyric acid; Histamine-GABA interaction (Nafi, M.M.) 207
- Dipole moment**
Linear dichroism; Lac repressor; Rotational relaxation (Pörschke, D.) 137

- Dissociation kinetics**
Parvalbumin; α -Lactalbumin; Ca^{2+} ; Mg^{2+} (Permyakov, E.A.) 225
- DNA absorption**
DNA-drug interaction; Platinum complex; Interfacial unwinding; Water/mercury interface (Kašparová, D.) 191
- DNA-drug interaction**
Platinum complex; DNA adsorption; Interfacial unwinding; Water/mercury interface (Kašparová, D.) 191
- DNA-dye interaction**
Dye binding; DNA intercalation; Thermodynamics; Solvation effect (Varani, G.) 175
- DNA intercalation**
Dye binding; Thermodynamics; Solvation effect; DNA-dye interaction (Varani, G.) 175
- Dye binding**
DNA intercalation; Thermodynamics; Solvation effect; DNA-dye interaction (Varani, G.) 175
- Dynamic light scattering**
Diffusion constant; Albumin; Charge effect; Polyelectrolyte (Hirakawa, F.) 253
- Effective Hamiltonian**
Inhomogeneous polymer; Quenched disorder; Replica trick; θ point (Fernández, A.) 89
- Electric potential**
Self-oscillation; Model membrane; Nonequilibrium; Na^+/K^+ difference (Iiyama, S.) 129
- Entropy production**
Mosaic nonequilibrium thermodynamics; Bacteriorhodopsin; Optimization; Proton pumping; Slip; Coupling (Juretić, D.) 21
- Erythrocyte membrane**
Membrane fluidity; Lateral diffusion; High-pressure effect; Excimer; Membrane dynamics (Eisinger, J.) 273
- Excimer**
Membrane fluidity; Erythrocyte membrane; Lateral diffusion; High-pressure effect; Membrane dynamics (Eisinger, J.) 273
- Fluorescence anisotropy decay**
Bovine serum albumin; Fluorescence lifetime; Tryptophan fluorescence; pH effect; Protein conformation (Brewer, J.M.) 77
- Fluorescence decay**
Decay-time distribution; Kinetics; Frequency-domain fluorometry (Lakowicz, J.R.) 35
Anisotropy decay (Ludescher, R.D.) 59
- Fluorescence depolarization**
Fluorescence lifetime; Membrane surface; Pyridoxal 5'-phosphate (Greenaway, F.T.) 265
- Fluorescence lifetime**
Bovine serum albumin; Tryptophan fluorescence; Fluorescence anisotropy decay; pH effect; Protein conformation (Brewer, J.M.) 77
Fluorescence depolarization; Membrane surface; Pyridoxal 5'-phosphate (Greenaway, F.T.) 265
- Fourier transform infrared spectroscopy**
Membrane model; Neurotransmitter; Dihexadecyl phosphate vesicle; Histamine; γ -Aminobutyric acid; Histamine-GABA interaction (Nafi, M.M.) 207
- Fractional exponential decay**
Membrane protein; Coated pit; Receptor diffusion (Wiegel, F.W.) 1
- Frequency-domain fluorometry**
Fluorescence decay; Decay-time distribution; Kinetics (Lakowicz, J.R.) 35
- Glutamate dehydrogenase**
Indefinite self-association; Statistical thermodynamics; Translational entropy; Rotational entropy; Nonideality (Chatelier, R.C.) 121
- Hemoglobin S**
Oxygen affinity; pH dependence; Phosphate effect; Polyphosphate effect; Bohr effect (Campbell, B.) 215
- Heterogeneous association**
Binding constant; Sedimentation equilibrium; Self-association; Stoichiometry; Nonlinear regression (Lollar, P.) 245
- High-pressure effect**
Membrane fluidity; Erythrocyte membrane; Lateral diffusion; Excimer; Membrane dynamics (Eisinger, J.) 273
- Histamine**
Fourier transform infrared spectroscopy; Membrane model; Neurotransmitter; Dihexadecyl phosphate vesicle; γ -Aminobutyric acid; Histamine-GABA interaction (Nafi, M.M.) 207
- Histamine-GABA interaction**
Fourier transform infrared spectroscopy; Membrane model; Neurotransmitter; Dihexadecyl phosphate vesicle; Histamine; γ -Aminobutyric acid (Nafi, M.M.) 207
- Histone H1**
Protein ϕ_0 ; Chromatin; Nucleosome; Spermatogenesis (Olivares, C.) 51
- Hydrogen bond**
Protein side chain; Calcium phosphate; Infrared spectroscopy (Carmona, P.) 161
- Hydrogen bonding**
Amino acid-mononucleoside interaction; Ultraviolet absorbance; Stacking (Shimizu, M.) 169
- Indefinite self-association**
Glutamate dehydrogenase; Statistical thermodynamics; Translational entropy; Rotational entropy; Nonideality (Chatelier, R.C.) 121
- Infrared spectroscopy**
Hydrogen bond; Protein side chain; Calcium phosphate (Carmona, P.) 161
- Inhomogeneous polymer**
Quenched disorder; Replica trick; Effective Hamiltonian; θ point (Fernández, A.) 89

Interfacial unwinding

DNA-drug interaction; Platinum complex; DNA adsorption; Water/mercury interface (Kašparová, D.)

191

Kinetics

Fluorescence decay; Decay-time distribution; Frequency-domain fluorometry (Lakowicz, J.R.)

35

Lac repressor

Dipole moment; Linear dichroism; Rotational relaxation (Pörschke, D.)

137

 α -Lactalbumin

Parvalbumin; Ca^{2+} ; Mg^{2+} ; Dissociation kinetics (Permyakov, E.A.)

225

Lateral diffusion

Membrane fluidity; Erythrocyte membrane; High-pressure effect; Excimer; Membrane dynamics (Eisinger, J.)

273

Linear dichroism

Dipole moment; Lac repressor; Rotational relaxation (Pörschke, D.)

137

Lipopeptide

Nuclear Overhauser effect; Conformational analysis; 2D NMR; Molecular model; Spin diffusion (Marion, D.)

235

Liquid crystal

Chlorophyll; Magnetic circular dichroism (Frackowiak, D.)

101

Lysozyme

Ovalbumin; Membrane osmometry; Mixed association; Nonideal solution; Apparent number average molecular weight; Association constant (McCarty, B.W.)

149

Cross-linked crystal; Stress-strain diagram; Mechanical denaturation; Ultimate strength (Gorelov, A.V.)

199

Magnetic circular dichroism

Chlorophyll; Liquid crystal (Frackowiak, D.)

101

Mechanical denaturation

Lysozyme; Cross-linked crystal; Stress-strain diagram; Ultimate strength (Gorelov, A.V.)

199

Membrane dynamics

Membrane fluidity; Erythrocyte membrane; Lateral diffusion; High-pressure effect; Excimer (Eisinger, J.)

273

Membrane fluidity

Erythrocyte membrane; Lateral diffusion; High-pressure effect; Excimer; Membrane dynamics (Eisinger, J.)

273

Membrane model

Fourier transform infrared spectroscopy; Neurotransmitter; Dihexadecyl phosphate vesicle; Histamine; γ -Aminobutyric acid; Histamine-GABA interaction (Nafi, M.M.)

207

Membrane osmometry

Ovalbumin; Lysozyme; Mixed association; Nonideal solution; Apparent number average molecular weight; Association constant (McCarty, B.W.)

149

Membrane protein

Coated pit; Receptor diffusion; Fractional exponential decay (Wiegel, F.W.)

1

Membrane surface

Fluorescence lifetime; Fluorescence depolarization; Pyridoxal 5'-phosphate (Greenaway, F.T.)

265

 Mg^{2+}

Parvalbumin; α -Lactalbumin; Ca^{2+} ; Dissociation kinetics (Permyakov, E.A.)

225

Mixed association

Ovalbumin; Lysozyme; Membrane osmometry; Nonideal solution; Apparent number average molecular weight; Association constant (McCarty, B.W.)

149

Model membrane

Self-oscillation; Electric potential; Nonequilibrium; Na^+/K^+ difference (Iiyama, S.)

129

Molecular model

Nuclear Overhauser effect; Conformational analysis; 2D NMR; Lipopeptide; Spin diffusion (Marion, D.)

235

Mosaic nonequilibrium thermodynamics

Bacteriorhodopsin; Optimization; Entropy production; Proton pumping; Slip; Coupling (Juretić, D.)

21

 Na^+/K^+ difference

Self-oscillation; Electric potential; Model membrane; Nonequilibrium (Iiyama, S.)

129

Neurotransmitter

Fourier transform infrared spectroscopy; Membrane model; Dihexadecyl phosphate vesicle; Histamine; γ -Aminobutyric acid; Histamine-GABA interaction (Nafi, M.M.)

207

Neutralization degree

Counterion binding; Sound velocity; Polyacrylate; Tetraalkylammonium ion (Koda, S.)

115

2D NMR

Nuclear Overhauser effect; Conformational analysis; Molecular model; Lipopeptide; Spin diffusion (Marion, D.)

235

Nonequilibrium

Self-oscillation; Electric potential; Model membrane; Na^+/K^+ difference (Iiyama, S.)

129

Nonideal solution

Ovalbumin; Lysozyme; Membrane osmometry; Mixed association; Apparent number average molecular weight; Association constant (McCarty, B.W.)

149

Nonideality

Indefinite self-association; Glutamate dehydrogenase; Statistical thermodynamics; Translational entropy; Rotational entropy (Chatelier, R.C.)

121

- Nonlinear regression**
Binding constant; Sedimentation equilibrium; Heterogeneous association; Self-association; Stoichiometry (Lollar, P.) 245
- Nuclear Overhauser effect**
Conformational analysis; 2D NMR; Molecular model; Lipopeptide; Spin diffusion (Marion, D.) 235
- Nucleosome**
Protein ϕ_0 ; Histone H1; Chromatin; Spermatogenesis (Olivares, C.) 51
- Optical absorption**
Copper ion; Adenosine triphosphate (Onori, G.) 183
- Optimization**
Mosaic nonequilibrium thermodynamics; Bacteriorhodopsin; Entropy production; Proton pumping; Slip; Coupling (Juretić, D.) 21
- Ovalbumin**
Lysozyme; Membrane osmometry; Mixed association; Nonideal solution; Apparent number average molecular weight; Association constant (McCarty, B.W.) 149
- Oxygen affinity**
Hemoglobin S; pH dependence; Phosphate effect; Polyphosphate effect; Bohr effect (Campbell, B.) 215
- Parvalbumin**
 α -Lactalbumin; Ca^{2+} ; Mg^{2+} ; Dissociation kinetics (Permyakov, E.A.) 225
- pH dependence**
Oxygen affinity; Hemoglobin S; Phosphate effect; Polyphosphate effect; Bohr effect (Campbell, B.) 215
- pH effect**
Bovine serum albumin; Fluorescence lifetime; Tryptophan fluorescence; Fluorescence anisotropy decay; Protein conformation (Brewer, J.M.) 77
- Phosphate effect**
Oxygen affinity; Hemoglobin S; pH dependence; Polyphosphate effect; Bohr effect (Campbell, B.) 215
- Phospholipid binding**
 Ca^{2+} ; Bulk modulus anomaly; Ca^{2+} -binding fluctuation (Suezaki, Y.) 13
- Platinum complex**
DNA-drug interaction; DNA adsorption; Interfacial unwinding; Water/mercury interface (Kašparová, D.) 191
- θ point**
Inhomogeneous polymer; Quenched disorder; Replica trick; Effective Hamiltonian (Fernández, A.) 89
- Polyacrylate**
Counterion binding; Sound velocity; Tetraalkylammonium ion; Neutralization degree (Koda, S.) 115
- Polyelectrolyte**
Diffusion constant; Dynamic light scattering; Albumin; Charge effect (Hirakawa, F.) 253
- Polyphosphate effect**
Oxygen affinity; Hemoglobin S; pH dependence; Phosphate effect; Bohr effect (Campbell, B.) 215
- Protein conformation**
Bovine serum albumin; Fluorescence lifetime; Tryptophan fluorescence; Fluorescence anisotropy decay; pH effect (Brewer, J.M.) 77
- Protein side chain**
Hydrogen bond; Calcium phosphate; Infrared spectroscopy (Carmona, P.) 161
- Protein ϕ_0**
Histone H1; Chromatin; Nucleosome; Spermatogenesis (Olivares, C.) 51
- Proton pumping**
Mosaic nonequilibrium thermodynamics; Bacteriorhodopsin; Optimization; Entropy production; Slip; Coupling (Juretić, D.) 21
- Proton transfer**
Vision; Quantum-mechanical calculation (Riveros, O.J.) 93
- Pyridoxal 5'-phosphate**
Fluorescence lifetime; Fluorescence depolarization; Membrane surface (Greenaway, F.T.) 265
- Quantum-mechanical calculation**
Proton transfer; Vision (Riveros, O.J.) 93
- Quenched disorder**
Inhomogeneous polymer; Replica trick; Effective Hamiltonian; θ point (Fernández, A.) 89
- Receptor diffusion**
Membrane protein; Coated pit; Fractional exponential decay (Wiegel, F.W.) 1
- Replica trick**
Inhomogeneous polymer; Quenched disorder; Effective Hamiltonian; θ point (Fernández, A.) 89
- Rotational entropy**
Indefinite self-association; Glutamate dehydrogenase; Statistical thermodynamics; Translational entropy; Nonideality (Chatelier, R.C.) 121
- Rotational relaxation**
Dipole moment; Linear dichroism; Lac repressor (Pörschke, D.) 137
- Sedimentation equilibrium**
Binding constant; Heterogeneous association; Self-association; Stoichiometry; Nonlinear regression (Lollar, P.) 245
- Self-association**
Binding constant; Sedimentation equilibrium; Heterogeneous association; Stoichiometry; Nonlinear regression (Lollar, P.) 245
- Self-oscillation**
Electric potential; Model membrane; Nonequilibrium; Na^+/K^+ difference (Iiyama, S.) 129
- Slip**
Mosaic nonequilibrium thermodynamics; Bacteriorhodopsin; Optimization; Entropy production; Proton pumping; Coupling (Juretić, D.) 21
- Solvation effect**
Dye binding; DNA intercalation; Thermodynamics; DNA-dye interaction (Varani, G.) 175

- Sound velocity**
Counterion binding; Polyacrylate; Tetraalkylammonium ion; Neutralization degree (Koda, S.) 115
- Spermatogenesis**
Protein ϕ_0 ; Histone H1; Chromatin; Nucleosome (Olivares, C.) 51
- Spin diffusion**
Nuclear Overhauser effect; Conformational analysis; 2D NMR; Molecular model; Lipopeptide (Marion, D.) 235
- Stacking**
Amino acid-monomucleoside interaction; Ultraviolet absorbance; Hydrogen bonding (Shimizu, M.) 169
- Statistical thermodynamics**
Indefinite self-association; Glutamate dehydrogenase; Translational entropy; Rotational entropy; Nonideality (Chatelier, R.C.) 121
- Stoichiometry**
Binding constant; Sedimentation equilibrium; Heterogeneous association; Self-association; Nonlinear regression (Lollar, P.) 245
- Stress-strain diagram**
Lysozyme; Cross-linked crystal; Mechanical denaturation; Ultimate strength (Gorelov, A.V.) 199
- Tetraalkylammonium ion**
Counterion binding; Sound velocity; Polyacrylate; Neutralization degree (Koda, S.) 115
- Thermodynamics**
Dye binding; DNA intercalation; Solvation effect; DNA-dye interaction (Varani, G.) 175
- Translational entropy**
Indefinite self-association; Glutamate dehydrogenase; Statistical thermodynamics; Rotational entropy; Nonideality (Chatelier, R.C.) 121
- Tryptophan fluorescence**
Bovine serum albumin; Fluorescence lifetime; Fluorescence anisotropy decay; pH effect; Protein conformation (Brewer, J.M.) 77
- Ultimate strength**
Lysozyme; Cross-linked crystal; Stress-strain diagram; Mechanical denaturation (Gorelov, A.V.) 199
- Ultraviolet absorbance**
Amino acid-monomucleoside interaction; Hydrogen bonding; Stacking (Shimizu, M.) 169
- Vision**
Proton transfer; Quantum-mechanical calculation (Riveros, O.J.) 93
- Water/mercury interface**
DNA-drug interaction; Platinum complex; DNA adsorption; Interfacial unwinding (Kašparová, D.) 191