

Subject Index to Volume 63

Allosteric change

Thrombin; Na⁺ binding; Fast/slow forms (Zhang, E. (63) 185)

Alternative pathway

Chaos; Complement system; Minimal model (Peacock-López, E. (63) 167)

Anion binding

Purine nucleoside phosphorylase; Protein fluorescence; Fluorescence quenching; Time-resolved fluorescence (Kierdaszuk, B. (63) 107)

Antibiotic

Cooperative binding; Stacking interaction (Oncescu, T. (63) 55)

Apparent equilibrium constants

Equilibrium constants for hemoglobin; Subunit dissociation of hemoglobin; Hemoglobin thermodynamics (Alberty, R.A. (63) 119)

ATP hydrolysis

Fluorescence detected circular dichroism; Nucleotide analogs; Muscle contraction; Origin independent matrix method; Myosin tryptophan 510; Probe binding cleft (Park, S. (63) 67)

Azurin

Electron paramagnetic resonance; Plastocyanin; Freezing rate; Glycerol (Guzzi, R. (63) 211)

Binding interactions

Standard free energies; Thermodynamic analysis (Chatterraj, D.K. (63) 37)

Calcium-binding protein

Lanthanide ion probes; Metal ion binding constants; Metal-coordinated water molecules; Förster-type nonradiative energy transfer; Distance measurements (Bruno, J.A. (63) 1)

Calcium-induced calcium release

Calcium oscillation; Endoplasmic reticulum; ER transmembrane potential; Frequency encoding; Hopf bifurcation (Marhl, M. (63) 221)

Calcium oscillation

Calcium-induced calcium release; Endoplasmic reticulum; ER transmembrane potential; Frequency encoding; Hopf bifurcation (Marhl, M. (63) 221)

Catalase

Oscillation; Enzyme; Hydrogen peroxide; Semipermeable membrane (Hideshima, T. (63) 81)

Catalysis

Myoglobin; Phosphatidylcholine; Electron transfer; Thin protein films; Models for square wave voltammetry (Zhang, Z. (63) 133)

Chaos

Alternative pathway; Complement system; Minimal model (Peacock-López, E. (63) 167)

Circular dichroism

Colominic acid; Viscosity analysis (Bystricky, S. (63) 147)

Cold and hot denaturation

Protein folding; Linking; Excitations; Resonator (Bohr, J. (63) 97)

Colominic acid

Circular dichroism; Viscosity analysis (Bystricky, S. (63) 147)

Complement system

Alternative pathway; Chaos; Minimal model (Peacock-López, E. (63) 167)

Cooperative binding

Stacking interaction; Antibiotic (Oncescu, T. (63) 55)

Distance measurements

Lanthanide ion probes; Calcium-binding protein; Metal ion binding constants; Metal-coordinated water molecules; Förster-type nonradiative energy transfer (Bruno, J.A. (63) 1)

EIAV

Tat protein; Solution structure; Protein RNA interactions; HIV; Lentiviruses (Klostermeier, D. (63) 87)

Electron paramagnetic resonance

Azurin; Plastocyanin; Freezing rate; Glycerol (Guzzi, R. (63) 211)

Electron transfer

Myoglobin; Phosphatidylcholine; Thin protein films; Models for square wave voltammetry; Catalysis (Zhang, Z. (63) 133)

Endoplasmic reticulum

Calcium oscillation; Calcium-induced calcium release; ER transmembrane potential; Frequency encoding; Hopf bifurcation (Marhl, M. (63) 221)

Enzyme

Oscillation; Catalase; Hydrogen peroxide; Semipermeable membrane (Hideshima, T. (63) 81)

Equilibrium constants for hemoglobin

Subunit dissociation of hemoglobin; Hemoglobin thermodynamics; Apparent equilibrium constants (Alberty, R.A. (63) 119)

ER transmembrane potential

Calcium oscillation; Calcium-induced calcium release; Endoplasmic reticulum; Frequency encoding; Hopf bifurcation (Marhl, M. (63) 221)

Excitations

Protein folding; Linking; Resonator; Cold and hot denaturation (Bohr, J. (63) 97)

Fast / slow forms

Thrombin; Na⁺ binding; Allosteric change (Zhang, E. (63) 185)

Fluorescence

Tryptophan; Histidine; Lysozyme (Van Gilst, M. (63) 17)

Fluorescence detected circular dichroism

Nucleotide analogs; Muscle contraction; Origin independent matrix method; Myosin tryptophan 510; Probe binding cleft; ATP hydrolysis (Park, S. (63) 67)

Fluorescence quenching

Purine nucleoside phosphorylase; Protein fluorescence; Anion binding; Time-resolved fluorescence (Kierdaszuk, B. (63) 107)

Förster-type nonradiative energy transfer

Lanthanide ion probes; Calcium-binding protein; Metal ion binding constants; Metal-coordinated water molecules; Distance measurements (Bruno, J.A. (63) 1)

Fourier spectrum

Liquid membrane; Self-sustained oscillation; Taste sensor (Cucu, D. (63) 47)

Freezing rate

Electron paramagnetic resonance; Azurin; Plastocyanin; Glycerol (Guzzi, R. (63) 211)

Frequency encoding

Calcium oscillation; Calcium-induced calcium release; Endoplasmic reticulum; ER transmembrane potential; Hopf bifurcation (Marhl, M. (63) 221)

Glycerol

Electron paramagnetic resonance; Azurin; Plastocyanin; Freezing rate (Guzzi, R. (63) 211)

Hemoglobin thermodynamics

Equilibrium constants for hemoglobin; Subunit dissociation of hemoglobin; Apparent equilibrium constants (Alberty, R.A. (63) 119)

Hen egg-white lysozyme

Intramolecular electron transfer; Pulse radiolysis; Radical transformation; Tryptophan radical; Tyrosine radical (Bobrowski, K. (63) 153)

Histidine

Tryptophan; Fluorescence; Lysozyme (Van Gilst, M. (63) 17)

HIV

Tat protein; Solution structure; Protein RNA interactions; EIAV; Lentiviruses (Klostermeier, D. (63) 87)

Hopf bifurcation

Calcium oscillation; Calcium-induced calcium release; Endoplasmic reticulum; ER transmembrane potential; Frequency encoding (Marhl, M. (63) 221)

Hydrogen peroxide

Oscillation; Enzyme; Catalase; Semipermeable membrane (Hideshima, T. (63) 81)

Inactivation

Unfolding; Predenaturational transition; Ligand effects (Singh, N. (63) 27)

Intracellular DNA cleavage

Rate constants; Kinetic analysis; Kinetic theory (Kirk, C.A. (63) 201)

Intramolecular electron transfer

Hen egg-white lysozyme; Pulse radiolysis; Radical transformation; Tryptophan radical; Tyrosine radical (Bobrowski, K. (63) 153)

Kinetic analysis

Rate constants; Intracellular DNA cleavage; Kinetic theory (Kirk, C.A. (63) 201)

Kinetic theory

Rate constants; Kinetic analysis; Intracellular DNA cleavage (Kirk, C.A. (63) 201)

Lanthanide ion probes

Calcium-binding protein; Metal ion binding constants; Metal-coordinated water molecules; Förster-type nonradiative energy transfer; Distance measurements (Bruno, J.A. (63) 1)

Lentiviruses

Tat protein; Solution structure; Protein RNA interactions; HIV; EIAV (Klostermeier, D. (63) 87)

Ligand effects

Unfolding; Predenaturational transition; Inactivation (Singh, N. (63) 27)

Linking

Protein folding; Excitations; Resonator; Cold and hot denaturation (Bohr, J. (63) 97)

Liquid membrane

Fourier spectrum; Self-sustained oscillation; Taste sensor (Cucu, D. (63) 47)

Lysozyme

Tryptophan; Fluorescence; Histidine (Van Gilst, M. (63) 17)

Metal-coordinated water molecules

Lanthanide ion probes; Calcium-binding protein; Metal ion binding constants; Förster-type nonradiative energy transfer; Distance measurements (Bruno, J.A. (63) 1)

Metal ion binding constants

Lanthanide ion probes; Calcium-binding protein; Metal-coordinated water molecules; Förster-type nonradiative energy transfer; Distance measurements (Bruno, J.A. (63) 1)

Minimal model

Alternative pathway; Chaos; Complement system (Peacock-López, E. (63) 167)

Models for square wave voltammetry

Myoglobin; Phosphatidylcholine; Electron transfer; Thin protein films; Catalysis (Zhang, Z. (63) 133)

Muscle contraction

Fluorescence detected circular dichroism; Nucleotide analogs; Origin independent matrix method; Myosin tryptophan 510; Probe binding cleft; ATP hydrolysis (Park, S. (63) 67)

Myoglobin

Phosphatidylcholine; Electron transfer; Thin protein films; Models for square wave voltammetry; Catalysis (Zhang, Z. (63) 133)

Myosin tryptophan 510

Fluorescence detected circular dichroism; Nucleotide analogs; Muscle contraction; Origin independent matrix method; Probe binding cleft; ATP hydrolysis (Park, S. (63) 67)

Na⁺ binding

Thrombin; Allosteric change; Fast/slow forms (Zhang, E. (63) 185)

Nucleotide analogs

Fluorescence detected circular dichroism; Muscle contraction; Origin independent matrix method; Myosin tryptophan 510; Probe binding cleft; ATP hydrolysis (Park, S. (63) 67)

Origin independent matrix method

Fluorescence detected circular dichroism; Nucleotide analogs; Muscle contraction; Myosin tryptophan 510; Probe binding cleft; ATP hydrolysis (Park, S. (63) 67)

Oscillation

Enzyme; Catalase; Hydrogen peroxide; Semipermeable membrane (Hideshima, T. (63) 81)

Phosphatidylcholine

Myoglobin; Electron transfer; Thin protein films; Models for square wave voltammetry; Catalysis (Zhang, Z. (63) 133)

Plastocyanin

Electron paramagnetic resonance; Azurin; Freezing rate; Glycerol (Guzzi, R. (63) 211)

Predenaturational transition

Unfolding; Ligand effects; Inactivation (Singh, N. (63) 27)

Probe binding cleft

Fluorescence detected circular dichroism; Nucleotide analogs; Muscle contraction; Origin independent matrix method; Myosin tryptophan 510; ATP hydrolysis (Park, S. (63) 67)

Protein fluorescence

Purine nucleoside phosphorylase; Anion binding; Fluorescence quenching; Time-resolved fluorescence (Kierdaszuk, B. (63) 107)

Protein folding

Linking; Excitations; Resonator; Cold and hot denaturation (Bohr, J. (63) 97)

Protein RNA interactions

Tat protein; Solution structure; HIV; EIAV; Lentiviruses (Klostermeier, D. (63) 87)

Pulse radiolysis

Hen egg-white lysozyme; Intramolecular electron transfer; Radical transformation; Tryptophan radical; Tyrosine radical (Bobrowski, K. (63) 153)

Purine nucleoside phosphorylase

Protein fluorescence; Anion binding; Fluorescence quenching; Time-resolved fluorescence (Kierdaszuk, B. (63) 107)

Radical transformation

Hen egg-white lysozyme; Intramolecular electron transfer; Pulse radiolysis; Tryptophan radical; Tyrosine radical (Bobrowski, K. (63) 153)

Rate constants

Kinetic analysis; Intracellular DNA cleavage; Kinetic theory (Kirk, C.A. (63) 201)

Resonator

Protein folding; Linking; Excitations; Cold and hot denaturation (Bohr, J. (63) 97)

Self-sustained oscillation

Fourier spectrum; Liquid membrane; Taste sensor (Cucu, D. (63) 47)

Semipermeable membrane

Oscillation; Enzyme; Catalase; Hydrogen peroxide (Hideshima, T. (63) 81)

Solution structure

Tat protein; Protein RNA interactions; HIV; EIAV; Lentiviruses (Klostermeier, D. (63) 87)

Stacking interaction

Cooperative binding; Antibiotic (Oncescu, T. (63) 55)

Standard free energies

Binding interactions; Thermodynamic analysis (Chattorraj, D.K. (63) 37)

Subunit dissociation of hemoglobin

Equilibrium constants for hemoglobin; Hemoglobin thermodynamics; Apparent equilibrium constants (Alberty, R.A. (63) 119)

Taste sensor

Fourier spectrum; Liquid membrane; Self-sustained oscillation (Cucu, D. (63) 47)

Tat protein

Solution structure; Protein RNA interactions; HIV; EIAV; Lentiviruses (Klostermeier, D. (63) 87)

Thermodynamic analysis

Binding interactions; Standard free energies (Chattorraj, D.K. (63) 37)

Thin protein films

Myoglobin; Phosphatidylcholine; Electron transfer; Models for square wave voltammetry; Catalysis (Zhang, Z. (63) 133)

Thrombin

Na⁺ binding; Allosteric change; Fast/slow forms (Zhang, E. (63) 185)

Time-resolved fluorescence

Purine nucleoside phosphorylase; Protein fluorescence; Anion binding; Fluorescence quenching (Kierdaszuk, B. (63) 107)

Tryptophan

Fluorescence; Histidine; Lysozyme (Van Gilst, M. (63) 17)

Tryptophan radical

Hen egg-white lysozyme; Intramolecular electron transfer; Pulse radiolysis; Radical transformation; Tyrosine radical (Bobrowski, K. (63) 153)

Tyrosine radical

Hen egg-white lysozyme; Intramolecular electron transfer; Pulse radiolysis; Radical transformation; Tryptophan radical (Bobrowski, K. (63) 153)

Unfolding

Predenaturational transition; Ligand effects; Inactivation (Singh, N. (63) 27)

Viscosity analysis

Circular dichroism; Colominic acid (Bystricky, S. (63) 147)