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Model; Oscillation; Signalling; Calcium; Decoding (Larsen, A.Z. (107) 83)

Human serum albumin

Polymethine dyes; Complexation; Spectroscopy (Tatikolov, A.S. (107) 33)

Hydration number

^{17}O NMR; Quintet; Residual quadrupole splitting; External electric field gradient; Bacteriophage (Mao, X.-a. (107) 255)

Hydrogen bond

Protein-folding rates; Amino acid properties; Correlation coefficient; Multiple regression technique; Free-energy approach; Hydrophobic (Gromiha, M.M. (107) 263)

Hydrophobic

Hydrogen bond; Protein-folding rates; Amino acid properties; Correlation coefficient; Multiple regression technique; Free-energy approach (Gromiha, M.M. (107) 263)

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Preferential solvation; Glycerol; Ethylene glycol; Protein stabilization; Aqueous stabilizer solvent; Non-polar solute (Carrillo-Nava, E. (107) 19)

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Potential of mean force; Alcohols; Protein–protein interactions; Osmotic second virial coefficient (Liu, W. (107) 289)

Immunoglobulins

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Ionic product of water

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Kcsa

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Membrane condensation

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Oscillation; Signalling; Calcium; Decoding; Hepatocyte (Larsen, A.Z. (107) 83)

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Molecular dynamic

CCMV; Release RNA through channel's virus; Diffusion (Isea, R. (107) 101)

Molecular dynamics

Monte Carlo; Energy landscape; Principal component analysis; Coarse-grain method; Enhanced sampling (Tai, K. (107) 213)

Monte Carlo

Energy landscape; Principal component analysis; Coarse-grain method; Enhanced sampling; Molecular dynamics (Tai, K. (107) 213)

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Myosin

Sliding movement; Actin filament; Critical phenomena; Fluctuations (Hatori, K. (107) 283)

Nitric oxide (NO)

S-nitrosothiols (RSNO); *S*-nitroso-*N*-acetyl-D,L-penicillamine (SNAP); *S*-nitrosocaptopril (SNOCap); L-ascorbic acid (H₂A) (Aqart, D.V. (107) 117)

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Hydrophobic hydration model; Preferential solvation; Glycerol; Ethylene glycol; Protein stabilization; Aqueous stabilizer solvent (Carrillo-Nava, E. (107) 19)

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Atomic force microscopy; Nucleic acid; Supported membrane; Protein; Polysaccharide (Santos, N.C. (107) 133)

Nucleation-dependent polymerization model

Sigmoid; Kinetic constants (Kodaka, M. (107) 243)

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Supported membrane; Protein; Polysaccharide; Non-topographical application; Atomic force microscopy (Santos, N.C. (107) 133)

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DNA curvature; DNA flexibility; Theoretical predictions (Scipioni, A. (107) 7)

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Oscillation

Signalling; Calcium; Decoding; Hepatocyte; Model (Larsen, A.Z. (107) 83)

Osmotic second virial coefficient

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Pigments

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Plastocyanin

Redox proteins; STM; STS; Adsorption on gold; Molecular conduction (Andolfi, L. (107) 107)

Poly(allylamine hydrochloride)

DNA; Interaction; Conformation; Spectroscopy (Zhou, Y. (107) 273)

Polyethylene glycol

Freezing point depression; Second virial coefficients; Vapor pressure deficit (Winsor, D.J. (107) 317)

Polymethine dyes

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Polysaccharide

Non-topographical application; Atomic force microscopy; Nucleic acid; Supported membrane; Protein (Santos, N.C. (107) 133)

Potential of mean force

Alcohols; Protein–protein interactions; Osmotic second virial coefficient; Hydrophobic interactions (Liu, W. (107) 289)

Preferential solvation

Glycerol; Ethylene glycol; Protein stabilization; Aqueous stabilizer solvent; Non-polar solute; Hydrophobic hydration model (Carrillo-Nava, E. (107) 19)

Principal component analysis

Coarse-grain method; Enhanced sampling; Molecular dynamics; Monte Carlo; Energy landscape (Tai, K. (107) 213)

Progress curves

Rate constants; Fitting procedure; Michaelis–Menten reaction; Pseudo-first-order kinetics; Flooding method (Schnell, S. (107) 165)

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Polysaccharide; Non-topographical application; Atomic force microscopy; Nucleic acid; Supported membrane (Santos, N.C. (107) 133)

Protein aggregation

Infrared spectroscopy; Conformational changes; Static light scattering; Dynamic light scattering; Bovine serum albumin (Militello, V. (107) 175)

Protein stabilization

Aqueous stabilizer solvent; Non-polar solute; Hydrophobic hydration model; Preferential solvation; Glycerol; Ethylene glycol (Carrillo-Nava, E. (107) 19)

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Protein–protein interactions

Osmotic second virial coefficient; Hydrophobic interactions; Potential of mean force; Alcohols (Liu, W. (107) 289)

Protein-folding rates

Amino acid properties; Correlation coefficient; Multiple regression technique; Free-energy approach; Hydrophobic; Hydrogen bond (Gromiha, M.M. (107) 263)

Proteins

Dystroglycan; Protein unfolding; Fluorescence; Immunoglobulins (Di Stasio, E. (107) 197)

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Flooding method; Progress curves; Rate constants; Fitting procedure; Michaelis–Menten reaction (Schnell, S. (107) 165)

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Residual quadrupole splitting; External electric field gradient; Bacteriophage; Hydration number; ^{17}O NMR (Mao, X.-a. (107) 255)

Rate constants

Fitting procedure; Michaelis–Menten reaction; Pseudo-first-order kinetics; Flooding method; Progress curves (Schnell, S. (107) 165)

Rate equations

Macromolecular crowding; Thermodynamic nonideality (Hall, D. (107) 299)

Receptor

Diffusion; Cell culture; Epithelial layer; Ligand (Berezhkovskii, A.M. (107) 221)

Red blood cell/RBC/erythrocyte

Differential scanning calorimetry/DSC; Electronic particle counter/EPC; Cell volumetric change (Zhao, G. (107) 189)

Redox proteins

STM; STS; Adsorption on gold; Molecular conduction; Plastocyanin (Andolfi, L. (107) 107)

Reduced water

Antioxidant; Ionic product of water; DNA damage (Hanaoka, K. (107) 71)

Release RNA through channel's virus

Diffusion; Molecular dynamic; CCMV (Isea, R. (107) 101)

Residual quadrupole splitting

External electric field gradient; Bacteriophage; Hydration number; ^{17}O NMR; Quintet (Mao, X.-a. (107) 255)

S-nitroso-N-acetyl-D,L-penicillamine (SNAP)

S-nitrosocaptopril (SNOCap); L-ascorbic acid (H_2A); Nitric oxide (NO); S-nitrosothiols (RSNO) (Aquart, D.V. (107) 117)

S-nitrosocaptopril (SNOCap)

L-ascorbic acid (H_2A); Nitric oxide (NO); S-nitrosothiols (RSNO); S-nitroso-N-acetyl-D,L-penicillamine (SNAP) (Aquart, D.V. (107) 117)

S-nitrosothiols (RSNO)

S-nitroso-N-acetyl-D,L-penicillamine (SNAP); S-nitrosocaptopril (SNOCap); L-ascorbic acid (H_2A); Nitric oxide (NO) (Aquart, D.V. (107) 117)

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Freezing point depression; Polyethylene glycol; Vapor pressure deficit (Winsor, D.J. (107) 317)

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Kinetic constants; Nucleation-dependent polymerization model (Kodaka, M. (107) 243)

Signalling

Calcium; Decoding; Hepatocyte; Model; Oscillation (Larsen, A.Z. (107) 83)

Sliding movement

Actin filament; Critical phenomena; Fluctuations; Myosin (Hatori, K. (107) 283)

Small world network

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Smart behavior

True slime mould; *Physarum*; Small world network (Nakagaki, T. (107) 1)

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Poly(allylamine hydrochloride); DNA; Interaction; Conformation (Zhou, Y. (107) 273)

Spectroscopy

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Spectroscopy

Human serum albumin; Polymethine dyes; Complexation (Tatikolov, A.S. (107) 33)

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Dynamic light scattering; Bovine serum albumin; Protein aggregation; Infrared spectroscopy; Conformational changes (Militello, V. (107) 175)

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STS; Adsorption on gold; Molecular conduction; Plastocyanin; Redox proteins (Andolfi, L. (107) 107)

STS

Adsorption on gold; Molecular conduction; Plastocyanin; Redox proteins; STM (Andolfi, L. (107) 107)

 β -subunits of K-channel

Calculation of dipole moments; Kcsa; T1 particle (Takashima, S. (107) 63)

Supported membrane

Protein; Polysaccharide; Non-topographical application; Atomic force microscopy; Nucleic acid (Santos, N.C. (107) 133)

T1 particle

β -subunits of K-channel; Calculation of dipole moments; Kcsa (Takashima, S. (107) 63)

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Nucleosome stability; DNA curvature; DNA flexibility (Scipioni, A. (107) 7)

Thermodynamic nonideality

Rate equations; Macromolecular crowding (Hall, D. (107) 299)

Thylakoids

Environmental factors; Photobleaching; Pigments; Spectroscopy (Velitchkova, M.Y. (107) 25)

True slime mould

Physarum; Small world network; Smart behavior (Nakagaki, T. (107) 1)

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Atomic force microscope; Force spectroscopy; Carbonic anhydrase; Mechanical unfolding; Dynamics (Okajima, T. (107) 51)

Zinc and nickel nitrates

EXAFS (Extended X-ray absorption fine structure spectroscopy); Glass transition (Ansell, S. (107) 229)