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Bilayer lipid membrane

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Cyclin-dependent kinase 2 (Cdk2)

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Hyperthermophilic esterase

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Mitochondrial diseases

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Poly(rA)

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FTIR spectroscopy; Protein dynamics; CO stretching band; Amide II band; Amide I' band (Cupane, A. (104) 335)

Protein-structure

Dynamics; Phosphorescence; Sol-gel; Wet gels (Gonnelli, M. (104) 155)

Proton linkage

Cationic lipid; Plasmid DNA; Protonation; DOPE; Isothermal titration calorimetry (Lobo, B.A. (104) 67)

Proton transfer

Acetic acid; Organic solvents; β -Carbolines; Photophysics; Hydrogen-bonding (Reyman, D. (104) 683)

Protonation

DOPE; Isothermal titration calorimetry; Proton linkage; Cationic lipid; Plasmid DNA (Lobo, B.A. (104) 67)

Pseudoazurin

Nitrite reduction; Enzymatic cycling; Half-saturation concentration; Redox mediator; Cytochrome *c* (Kučera, I. (104) 617)

Pulmonary surfactant

Phospholipid; In vitro cycling; Large surfactant aggregates; Surfactant convertase; ARDSALI (Ruppert, C. (104) 229)

Pulsed field gradient NMR

Water self-diffusion coefficient; Yeast; Growth phases (Suh, K.-J. (104) 121)

Putrescine

Helix coil transition; DNA-charged ligand interactions; Free energy calculations; Spermine; Spermidine (Korolev, N. (104) 55)

Pyruvate kinase

Substrate-induced isomerization; Thermodynamic non-ideality; Enzyme kinetics; Isothermal calorimetry; Molecular crowding (Lonhienne, T.G.A. (104) 189)

Quinacrine mustard

Doxorubicin; Absorption; Fluorescence spectroscopy; Chlorophyllin; Acridine orange (Pietrzak, M. (104) 305)

Redox mediator

Cytochrome *c*; *Pseudoazurin*; Nitrite reduction; Enzymatic cycling; Half-saturation concentration (Kučera, I. (104) 617)

Respiratory substrate

Mitochondrial diseases; Computer model; Oxidative phosphorylation; Mitochondria (Korzeniewski, B. (104) 107)

RNase A

Conformational fluctuations; Disulfide bond reduction; High pressure; Aggregation; BPTI (Meersman, F. (104) 297)

Salt stress

Vapor pressure deficit; Water stress; Drought stress; Freezing point depression; Polyethylene glycol (Kiyosawa, K. (104) 171)

Scaled particle theory

Molecular size; Cavity size distribution (Graziano, G. (104) 393)

Sedimentation equilibrium

Exclusion chromatography; Thermodynamic non-ideality; Hemoglobin self-association; Osmotic pressure (Winzor, D.J. (104) 345)

Self-assembly

Gelation; Carrageenan (Mangione, M.R. (104) 95)

Sequence distribution functions

Thermal unwinding; Probability profiles; DNA statistical mechanics (Poland, D. (104) 279)

Shear rheology

Oscillating barrier method; Longitudinal wave damping method; Lung surfactants; Dilatational viscoelasticity; Brewster angle microscopy (Grigoriev, D.O. (104) 633)

Single channel conductance

Free energy calculation; Ion channel; OmpF porin; Cation selectivity (Danelon, C. (104) 591)

Single molecule interaction

Atomic force microscopy; Ligand–receptor interaction; Bond rupture; Adhesion (Zhang, X. (104) 271)

Soil microbial activity

Efficiency; Microcalorimetry; Energy balance (Barros, N. (104) 561)

Sol

Gel; PFG NMR; ^{13}C NMR; T_1 relaxation; Dextran (Naji, L. (104) 131)

Sol–gel

Wet gels; Protein-structure; Dynamics; Phosphorescence (Gonnelli, M. (104) 155)

Spectral component analysis

Oligonucleotide; Acid titration; T_m ; Cytidine protonation; UV difference spectra (Raukas, E. (104) 429)

Spectral library

Sugar pucker; Band assignment; FTIR; Nucleic acids (Banyay, M. (104) 477)

Spermidine

Putrescine; Helix coil transition; DNA-charged ligand interactions; Free energy calculations; Spermine (Korolev, N. (104) 55)

Spermine

Spermidine; Putrescine; Helix coil transition; DNA-charged ligand interactions; Free energy calculations (Korolev, N. (104) 55)

Standard Gibbs energies of formation

Apparent equilibrium constants; Standard transformed Gibbs energies; Inverse Legendre transform; Coenzyme A (Alberty, R.A. (104) 327)

Standard transformed Gibbs energies

Inverse Legendre transform; Coenzyme A; Standard Gibbs energies of formation; Apparent equilibrium constants (Alberty, R.A. (104) 327)

State of ionization

Hydration; Compressibility; Volume; α,ω -Aminocarboxylic acids; Amino and carboxyl termini (Taulier, N. (104) 21)

Steric hindrance

Matrix method; Cooperative binding of ligands; Lattice of linear polymer; Binding isotherm (Nishio, T. (104) 501)

Stochastic models

Central dogma; Cooperativity; DNA renaturation (Murugan, R. (104) 535)

Substrate-induced isomerization

Thermodynamic non-ideality; Enzyme kinetics; Isothermal calorimetry; Molecular crowding; Pyruvate kinase (Lonhienne, T.G.A. (104) 189)

Sugar pucker

Band assignment; FTIR; Nucleic acids; Spectral library (Banyay, M. (104) 477)

Surfactant convertase

ARDSALI; Pulmonary surfactant; Phospholipid; In vitro cycling; Large surfactant aggregates (Ruppert, C. (104) 229)

 T_1 relaxation

Dextran; Sol; Gel; PFG NMR; ^{13}C NMR (Naji, L. (104) 131)

Telomeres

Nucleosome; Histone acetylation; Thermodynamic stability; Nucleosome positioning (Cacchione, S. (104) 381)

TFE

Hydrophobic interactions; Hyperthermophilic esterase; Conformational stability (Del Vecchio, P. (104) 407)

Thermal unwinding

Probability profiles; DNA statistical mechanics; Sequence distribution functions (Poland, D. (104) 279)

Thermodynamic non-ideality

Hemoglobin self-association; Osmotic pressure; Sedimentation equilibrium; Exclusion chromatography (Winzor, D.J. (104) 345)

Thermodynamic non-ideality

Enzyme kinetics; Isothermal calorimetry; Molecular crowding; Pyruvate kinase; Substrate-induced isomerization (Lonhienne, T.G.A. (104) 189)

Thermodynamic stability

Nucleosome positioning; Telomeres; Nucleosome; Histone acetylation (Cacchione, S. (104) 381)

Thermodynamic stability

Molecular mechanics; DNA triple helix; Differential scanning calorimetry; Circular dichroism (Petraccone, L. (104) 259)

Thermodynamics

Transformed Gibbs energy; Further transformed Gibbs energy; Allosteric protein; Linkage potential; Maxwell equations (Alberty, R.A. (104) 543)

Thermodynamics

Polymerization; Microtubules; Tubulin denaturation; Kinetics (Hall, D. (104) 655)

Thiazole

Conformational transition; Alkaline isomerization; Cytochrome *c*; NMR (Yao, Y. (104) 459)

 T_m

Cytidine protonation; UV difference spectra; Spectral component analysis; Oligonucleotide; Acid titration (Raukas, E. (104) 429)

Transformed Gibbs energy

Further transformed Gibbs energy; Allosteric protein; Linkage potential; Maxwell equations; Thermodynamics (Alberty, R.A. (104) 543)

Tropomyosin

Elastic properties; Actin (Adami, R. (104) 469)

Tubulin denaturation

Kinetics; Thermodynamics; Polymerization; Microtubules (Hall, D. (104) 655)

Ultrathin films

Cytochrome P450; Electrolysis; Epoxidation; Enzyme catalysis (Estavillo, C. (104) 291)

Unfolding

Low pH; High temperature; Prion protein domain; Molecular dynamics simulation (Gu, W. (104) 79)

UV difference spectra

Spectral component analysis; Oligonucleotide; Acid titration; T_m ; Cytidine protonation (Raukas, E. (104) 429)

Vapor pressure deficit

Water stress; Drought stress; Freezing point depression; Polyethylene glycol; Salt stress (Kiyosawa, K. (104) 171)

Voltammetry

Intercalation; DNA; Mitoxantrone; Irreversible electrochemical process (Wang, S. (104) 239)

Volume

α,ω -Aminocarboxylic acids; Amino and carboxyl termini; State of ionization; Hydration; Compressibility (Taulier, N. (104) 21)

Volume

Intrinsic packing; Hydration; Globular proteins; Conformational changes; Protein binding (Chalikian, T.V. (104) 489)

Water self-diffusion coefficient

Yeast; Growth phases; Pulsed field gradient NMR (Suh, K.-J. (104) 121)

Water stress

Drought stress; Freezing point depression; Polyethylene glycol; Salt stress; Vapor pressure deficit (Kiyosawa, K. (104) 171)

Wee1

Xic1; Midblastula transition; Mathematical model; Cyclin E; Cyclin-dependent kinase 2 (Cdk2) (Ciliberto, A. (104) 573)

Wet gels

Protein-structure; Dynamics; Phosphorescence; Sol-gel (Gonnelli, M. (104) 155)

Xic1

Midblastula transition; Mathematical model; Cyclin E; Cyclin-dependent kinase 2 (Cdk2); Wee1 (Ciliberto, A. (104) 573)

Yeast

Growth phases; Pulsed field gradient NMR; Water self-diffusion coefficient (Suh, K.-J. (104) 121)