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Fe³⁺

Fe²⁺; Cytochrome *b562*; Hemeprotein (Mazumdar, S. (105) 263)

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Hydrophilic; Protein folding (Ben-Naim, A. (105) 183)

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Kauzmann paradox

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Protein structure alignment (Kotlovyy, V. (105) 595)

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Preferential interactions; Vapor pressure osmometry; Thermodynamic nonideality (Hong, J. (105) 517)

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CNDO/S-D; Complexity; Conformation; Magnetic circular dichroism; Melatonin (Shillady, D.D. (105) 471)

Solvent-solute interaction

Thermophilic proteins; Protein structure; Hydrophobicity (Lesk, A.M. (105) 179)

Stability

Helix-coil transition; GART; Glycinamide ribonucleotide transformylase; Electrostatic calculations; Poisson-Boltzmann; *pKa* (Morikis, D. (105) 279)

Statistical mechanics

Analytical model; Hydrogen-bonding; Phase diagram; Thermodynamic anomalies; Water (Truskett, T.M. (105) 449)

Steady-state fluorescence

Conformational changes; Circular dichroism; Bovine serum albumin; Protein aggregation (Militello, V. (105) 133)

Structural genomics

Tuberculosis; Bioinformatics; TEV, Tobacco Etch Virus; TMAO, Trimethylamine *n*-oxide (Goulding, C.W. (105) 361)

Surface energy

Random network model; Interface; Distorted hydrogen bond; Surface water orientation; Zero-point distortion energy; Liquid water; Surface tension (Henn, A.R. (105) 533)

Surface tension

Surface energy; Random network model; Interface; Distorted hydrogen bond; Surface water orientation; Zero-point distortion energy; Liquid water (Henn, A.R. (105) 533)

Surface water orientation

Zero-point distortion energy; Liquid water; Surface tension; Surface energy; Random network model; Interface; Distorted hydrogen bond (Henn, A.R. (105) 533)

Temperature factors

Compensation temperature; Folded stability; Proteins; Fragile and strong proteins (Lumry, R. (105) 545)

TEV, Tobacco Etch Virus

TMAO, Trimethylamine n-oxide; Structural genomics; Tuberculosis; Bioinformatics (Goulding, C.W. (105) 361)

Thermal hysteresis protein

Liquid water; Random network mode; Hydration (Gallagher, K.R. (105) 195)

Thermal stability

Barnase; Binase; Barstar; Protein-protein complex; Electrostatic interactions (Mitkevich, V.A. (105) 383)

Thermodynamic

Relative; Errors and corrections; Water two states; Heat; Aqueous mixtures; Hydrophobic hydration (Lumry, R. (105) 609)

Thermodynamic

Kinetic analysis; Biological signal transduction (Qian, H. (105) 585)

Thermodynamic anomalies

Water; Statistical mechanics; Analytical model; Hydrogen-bonding; Phase diagram (Truskett, T.M. (105) 449)

Thermodynamic nonideality

Solution thermodynamics; Preferential interactions; Vapor pressure osmometry (Hong, J. (105) 517)

Thermodynamic properties

Transformed thermodynamic properties; Hemoglobin; Gibbs energies; Entropies; Ligand binding (Alberty, R.A. (105) 45)

Thermodynamics

Fragile; Experimentally; Hypothesis (Starr, F.W. (105) 573)

Thermodynamics

Transition state; Binding; Enzyme catalysis; Inhibition (Wolfenden, R. (105) 559)

Thermophilic proteins

Protein structure; Hydrophobicity; Solvent-solute interaction (Lesk, A.M. (105) 179)

TMAO, Trimethylamine n-oxide

Structural genomics; Tuberculosis; Bioinformatics; TEV, Tobacco Etch Virus (Goulding, C.W. (105) 361)

Transfer enthalpy

Transfer entropy; Protein destabilization; Co-solvents; Preferential interactions; Transfer free energy (Timasheff, S.N. (105) 421)

Transfer entropy

Protein destabilization; Co-solvents; Preferential interactions; Transfer free energy; Transfer enthalpy (Timasheff, S.N. (105) 421)

Transfer free energy

Transfer enthalpy; Transfer entropy; Protein destabilization; Co-solvents; Preferential interactions (Timasheff, S.N. (105) 421)

Transformed thermodynamic properties

Hemoglobin; Gibbs energies; Entropies; Ligand binding; Thermodynamic properties (Alberty, R.A. (105) 45)

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Binding; Enzyme catalysis; Inhibition; Thermodynamics (Wolfenden, R. (105) 559)

Triplex stabilization

Hofmeister anion series (Lavelle, L. (105) 681)

Triplex stabilization

Triplex-stabilizing additives; Nucleic acid triplexes; Nucleic acid duplexes (Lavelle, L. (105) 701)

Triplex-stabilizing additives

Nucleic acid triplexes; Nucleic acid duplexes; Triplex stabilization (Lavelle, L. (105) 701)

Tuberculosis

Bioinformatics; TEV, Tobacco Etch Virus; TMAO, Trimethylamine n-oxide; Structural genomics (Goulding, C.W. (105) 361)

 β -Turns

Hydration; Disulfide oxidoreductase; Cyclic CPXC peptides; Conformational study (Park, H.S. (105) 89)

Two-photon excitation

Multiphoton; Microparticle; Fluorescence; Assay kinetics; Immunoassay (Hänninen, P. (105) 23)

Ultraviolet resonance Raman

C—N stretch; Ring strain; Cyclic peptides; Amide (Wang, Y. (105) 461)

Vapor pressure osmometry

Thermodynamic nonideality; Solution thermodynamics; Preferential interactions (Hong, J. (105) 517)

Water

Statistical mechanics; Analytical model; Hydrogen-bonding; Phase diagram; Thermodynamic anomalies (Truskett, T.M. (105) 449)

Water two states

Heat; Aqueous mixtures; Hydrophobic hydration; Thermodynamic; Relative; Errors and corrections (Lumry, R. (105) 609)

Weakly bound state

ATP analogue; Sliding velocity; Actin; Myosin (Sakamaki, J. (105) 59)

Work of cavity creation

Scaled particle theory; General condition for entropy convergence; Entropy convergence (Graziano, G. (105) 241)

X-ray crystallography

Protein structure; Protein function; Collective motions; Protein dynamics; Glass transition (Ringe, D. (105) 667)

Zero-point distortion energy

Liquid water; Surface tension; Surface energy; Random network model; Interface; Distorted hydrogen bond; Surface water orientation (Henn, A.R. (105) 533)