

Subject Index to Volume 117

Ab initio calculations

Coumestan derivative; Standard electrode potential; Cyclic voltammetry; Electrochemical oxidation (Namazian, M. (117) 13)

Absorption dichroism

Membrane electroporation; Bilayer elasticity; Turbidity dichroism; Vesicle electroelongation; Lipid rearrangements; Membrane cholesterol (Kakorin, S. (117) 155)

Actinomycin D

Hetero-association; Anticancer drugs; Daunomycin; Novatrone; NMR spectroscopy (Davies, D.B. (117) 111)

Anticancer drugs

Hetero-association; Daunomycin; Actinomycin D; Novatrone; NMR spectroscopy (Davies, D.B. (117) 111)

Antithrombin

Thrombin; Thrombomodulin; Protein C; Factor Xa; Mutagenesis (Rezaie, A.R. (117) 255)

ATP

Dioxouranium(VI); Complexes; Ionic media; Dependence on medium of stability constants; Speciation (De Stefano, C. (117) 147)

Bacterial adhesion

Surface energy; Ni–P–PTFE; Extended DLVO theory (Liu, Y. (117) 39)

Bilayer elasticity

Membrane electroporation; Turbidity dichroism; Absorption dichroism; Vesicle electroelongation; Lipid rearrangements; Membrane cholesterol (Kakorin, S. (117) 155)

Binding isotherm

Cooperative binding of ligands; Lattice of linear polymer; Surfactant–polymer association; Interaction between ligands on the polymer; Matrix method (Nishio, T. (117) 19)

Binding strength

Biophysics; Force spectroscopy; Molecular recognition; Single molecule studies (Lévy, R. (117) 233)

Biointerface

Zwitterionic surfactants; Surface adsorption; Phospholipid; Surface tension; Neutron reflection (Yaseen, M. (117) 263)

Biophysics

Binding strength; Force spectroscopy; Molecular recognition; Single molecule studies (Lévy, R. (117) 233)

¹³C NMR

³¹P NMR; DPPC/SDPS/POPS; DPPC/SDPS/POPS bilayers; Chlorpromazine HCl interaction (Chen, S. (117) 101)

Ca²⁺-dependent inactivation

Gating mode; Mathematical model (Markevich, N.I. (117) 173)

Cancer

Retinoic acid receptor; Functional density (Silva, C.H.T.P. (117) 73)

Cardiac myocytes

PC12; SNOM; Membrane; Cell; Dynamics (Piga, R. (117) 141)

Cell

PC12; SNOM; Cardiac myocytes; Membrane; Dynamics (Piga, R. (117) 141)

Change in pK_a

Piroxicam; Structural dynamism; Membrane parameter; Micellar chain length; Optical spectroscopy (Chakraborty, H. (117) 79)

Chitosan

Thermally responsive material; Confocal microscopy; Polysaccharide (Crompton, K.E. (117) 47)

Chlorpromazine HCl interaction

¹³C NMR; ³¹P NMR; DPPC/SDPS/POPS; DPPC/SDPS/POPS bilayers (Chen, S. (117) 101)

Clay

Hemoglobin; Core–shell nanocluster; Direct electrochemistry; Electrocatalysis (Liu, Y. (117) 27)

Complexes

ATP; Dioxouranium(VI); Ionic media; Dependence on medium of stability constants; Speciation (De Stefano, C. (117) 147)

Confocal microscopy

Chitosan; Thermally responsive material; Polysaccharide (Crompton, K.E. (117) 47)

Cooperative binding of ligands

Lattice of linear polymer; Surfactant–polymer association; Interaction between ligands on the polymer; Binding isotherm; Matrix method (Nishio, T. (117) 19)

Core–shell nanocluster

Hemoglobin; Clay; Direct electrochemistry; Electrocatalysis (Liu, Y. (117) 27)

Correlation analysis

Ion channel; Memory; Single channel recording; Potassium channel; Dorsal root ganglion neurons (Tong-Han, L. (117) 191)

Coumestan derivative

Standard electrode potential; Cyclic voltammetry; Electrochemical oxidation; Ab initio calculations (Namazian, M. (117) 13)

Cyclic voltammetry

Coumestan derivative; Standard electrode potential; Electrochemical oxidation; Ab initio calculations (Namazian, M. (117) 13)

Daunomycin

Hetero-association; Anticancer drugs; Actinomycin D; Novatrone; NMR spectroscopy (Davies, D.B. (117) 111)

Dependence on medium of stability constants

ATP; Dioxouranium(VI); Complexes; Ionic media; Speciation (De Stefano, C. (117) 147)

Dioxouranium(VI)

ATP; Complexes; Ionic media; Dependence on medium of stability constants; Speciation (De Stefano, C. (117) 147)

Direct electrochemistry

Hemoglobin; Clay; Core-shell nanocluster; Electrocatalysis (Liu, Y. (117) 27)

Direct electron transfer

Myoglobin; Hemoglobin; Horseradish peroxidase; Lecithin (Lu, Q. (117) 55)

Discrimination

Motif; Outer membrane protein (Gromiha, M.M. (117) 65)

Dispersion potential

Hofmeister sequence; Ion; Protein precipitation (Boström, M. (117) 217)

DNA

Power law; Persistence exponent; Scaling relation; Fractional Brownian walk; Fractal dimension (Poland, D. (117) 87)

RNA; Melting curve; Melting profile; Thermodynamic analysis (Owczarzy, R. (117) 207)

Dorsal root ganglion neurons

Ion channel; Correlation analysis; Memory; Single channel recording; Potassium channel (Tong-Han, L. (117) 191)

DPPC/SDPS/POPS

^{13}C NMR; ^{31}P NMR; DPPC/SDPS/POPS bilayers; Chlorpromazine HCl interaction (Chen, S. (117) 101)

DPPC/SDPS/POPS bilayers

^{13}C NMR; ^{31}P NMR; DPPC/SDPS/POPS; Chlorpromazine HCl interaction (Chen, S. (117) 101)

Dynamics

PC12; SNOM; Cardiac myocytes; Membrane; Cell (Piga, R. (117) 141)

Electrocatalysis

Hemoglobin; Clay; Core-shell nanocluster; Direct electrochemistry (Liu, Y. (117) 27)

Electrochemical oxidation

Coumestan derivative; Standard electrode potential; Cyclic voltammetry; Ab initio calculations (Namazian, M. (117) 13)

Extended DLVO theory

Surface energy; Ni-P-PTFE; Bacterial adhesion (Liu, Y. (117) 39)

Extension by force

Molecular dynamics; Translational entropy; Rate acceleration (Amzel, L.M. (117) 239)

Factor Xa

Thrombin; Thrombomodulin; Protein C; Antithrombin; Mutagenesis (Rezaie, A.R. (117) 255)

Fluorescence

Laurdan; Lipid bilayer; Phase transition; Pressure; Prodan (Kusube, M. (117) 199)

Force spectroscopy

Biophysics; Binding strength; Molecular recognition; Single molecule studies (Lévy, R. (117) 233)

Formate

Guanidinium; Salt-bridge; Ion-pair; Hydration (Sagarik, K. (117) 119)

Fractal dimension

Power law; Persistence exponent; Scaling relation; DNA; Fractional Brownian walk (Poland, D. (117) 87)

Fractional Brownian walk

Power law; Persistence exponent; Scaling relation; DNA; Fractal dimension (Poland, D. (117) 87)

Functional density

Cancer; Retinoic acid receptor (Silva, C.H.T.P. (117) 73)

Gating mode

Ca^{2+} -dependent inactivation; Mathematical model (Markevich, N.I. (117) 173)

Guanidinium

Formate; Salt-bridge; Ion-pair; Hydration (Sagarik, K. (117) 119)

Hemoglobin

Clay; Core-shell nanocluster; Direct electrochemistry; Electrocatalysis (Liu, Y. (117) 27)

Myoglobin; Horseradish peroxidase; Lecithin; Direct electron transfer (Lu, Q. (117) 55)

Hetero-association

Anticancer drugs; Daunomycin; Actinomycin D; Novatrone; NMR spectroscopy (Davies, D.B. (117) 111)

Hofmeister sequence

Ion; Protein precipitation; Dispersion potential (Boström, M. (117) 217)

Horseradish peroxidase

Myoglobin; Hemoglobin; Lecithin; Direct electron transfer (Lu, Q. (117) 55)

Hybridisation

Minisatellite probes; Telomere; Specificity (Neplechová, K. (117) 225)

Hydration

Guanidinium; Formate; Salt-bridge; Ion-pair (Sagarik, K. (117) 119)

Interaction between ligands on the polymer

Cooperative binding of ligands; Lattice of linear polymer; Surfactant-polymer association; Binding isotherm; Matrix method (Nishio, T. (117) 19)

- Ion**
Hofmeister sequence; Protein precipitation; Dispersion potential (Boström, M. (117) 217)
- Ion channel**
Correlation analysis; Memory; Single channel recording; Potassium channel; Dorsal root ganglion neurons (Tong-Han, L. (117) 191)
- Ionic media**
ATP; Dioxouranium(VI); Complexes; Dependence on medium of stability constants; Speciation (De Stefano, C. (117) 147)
- Ion-pair**
Guanidinium; Formate; Salt-bridge; Hydration (Sagarik, K. (117) 119)
- Lattice of linear polymer**
Cooperative binding of ligands; Surfactant–polymer association; Interaction between ligands on the polymer; Binding isotherm; Matrix method (Nishio, T. (117) 19)
- Laurdan**
Fluorescence; Lipid bilayer; Phase transition; Pressure; Prodan (Kusube, M. (117) 199)
- Lecithin**
Myoglobin; Hemoglobin; Horseradish peroxidase; Direct electron transfer (Lu, Q. (117) 55)
- Lipid bilayer**
Fluorescence; Laurdan; Phase transition; Pressure; Prodan (Kusube, M. (117) 199)
- Lipid rearrangements**
Membrane electroporation; Bilayer elasticity; Turbidity dichroism; Absorption dichroism; Vesicle electroelongation; Membrane cholesterol (Kakorin, S. (117) 155)
- Lysozyme**
Protein stability; Thermal denaturation; Protein structure; Polyol osmolyte; Ribonuclease-A (Haque, I. (117) 1)
- Mathematical model**
 Ca^{2+} -dependent inactivation; Gating mode (Markevich, N.I. (117) 173)
- Matrix method**
Cooperative binding of ligands; Lattice of linear polymer; Surfactant–polymer association; Interaction between ligands on the polymer; Binding isotherm (Nishio, T. (117) 19)
- Melting curve**
DNA; RNA; Melting profile; Thermodynamic analysis (Owczarzy, R. (117) 207)
- Melting profile**
DNA; RNA; Melting curve; Thermodynamic analysis (Owczarzy, R. (117) 207)
- Membrane**
PCI2; SNOM; Cardiac myocytes; Cell; Dynamics (Piga, R. (117) 141)
- Membrane cholesterol**
Membrane electroporation; Bilayer elasticity; Turbidity dichroism; Absorption dichroism; Vesicle electroelongation; Lipid rearrangements (Kakorin, S. (117) 155)
- Membrane electroporation**
Bilayer elasticity; Turbidity dichroism; Absorption dichroism; Vesicle electroelongation; Lipid rearrangements; Membrane cholesterol (Kakorin, S. (117) 155)
- Membrane parameter**
Piroxicam; Structural dynamism; Micellar chain length; Change in pK_a ; Optical spectroscopy (Chakraborty, H. (117) 79)
- Memory**
Ion channel; Correlation analysis; Single channel recording; Potassium channel; Dorsal root ganglion neurons (Tong-Han, L. (117) 191)
- Micellar chain length**
Piroxicam; Structural dynamism; Membrane parameter; Change in pK_a ; Optical spectroscopy (Chakraborty, H. (117) 79)
- Minisatellite probes**
Hybridisation; Telomere; Specificity (Nepelchová, K. (117) 225)
- Molecular recognition**
Biophysics; Binding strength; Force spectroscopy; Single molecule studies (Lévy, R. (117) 233)
- Molecular dynamics**
Translational entropy; Rate acceleration; Extension by force (Amzel, L.M. (117) 239)
- Motif**
Discrimination; Outer membrane protein (Gromiha, M.M. (117) 65)
- Mutagenesis**
Thrombin; Thrombomodulin; Protein C; Antithrombin; Factor Xa (Rezaie, A.R. (117) 255)
- Myoglobin**
Hemoglobin; Horseradish peroxidase; Lecithin; Direct electron transfer (Lu, Q. (117) 55)
- Neutron reflection**
Zwitterionic surfactants; Surface adsorption; Biointerface; Phospholipid; Surface tension (Yaseen, M. (117) 263)
- Ni–P–PTFE**
Surface energy; Bacterial adhesion; Extended DLVO theory (Liu, Y. (117) 39)
- NMR spectroscopy**
Hetero-association; Anticancer drugs; Daunomycin; Actinomycin D; Novatrone (Davies, D.B. (117) 111)
- Novatrone**
Hetero-association; Anticancer drugs; Daunomycin; Actinomycin D; NMR spectroscopy (Davies, D.B. (117) 111)
- Optical spectroscopy**
Piroxicam; Structural dynamism; Membrane parameter; Micellar chain length; Change in pK_a (Chakraborty, H. (117) 79)
- Outer membrane protein**
Discrimination; Motif (Gromiha, M.M. (117) 65)
- ^{31}P NMR**
 ^{13}C NMR; DPPC/SDPS/POPS; DPPC/SDPS/POPS bilayers; Chlorpromazine HCl interaction (Chen, S. (117) 101)

PC12

SNOM; Cardiac myocytes; Membrane; Cell; Dynamics (Piga, R. (117) 141)

Persistence exponent

Power law; Scaling relation; DNA; Fractional Brownian walk; Fractal dimension (Poland, D. (117) 87)

Phase transition

Fluorescence; Laurdan; Lipid bilayer; Pressure; Prodan (Kusube, M. (117) 199)

Phospholipid

Zwitterionic surfactants; Surface adsorption; Biointerface; Surface tension; Neutron reflection (Yaseen, M. (117) 263)

Piroxicam

Structural dynamism; Membrane parameter; Micellar chain length; Change in pK_a ; Optical spectroscopy (Chakraborty, H. (117) 79)

Polyol osmolyte

Protein stability; Thermal denaturation; Protein structure; Ribonuclease-A; Lysozyme (Haque, I. (117) 1)

Polysaccharide

Chitosan; Thermally responsive material; Confocal microscopy (Crompton, K.E. (117) 47)

Potassium channel

Ion channel; Correlation analysis; Memory; Single channel recording; Dorsal root ganglion neurons (Tong-Han, L. (117) 191)

Power law

Persistence exponent; Scaling relation; DNA; Fractional Brownian walk; Fractal dimension (Poland, D. (117) 87)

Pressure

Fluorescence; Laurdan; Lipid bilayer; Phase transition; Prodan (Kusube, M. (117) 199)

Prodan

Fluorescence; Laurdan; Lipid bilayer; Phase transition; Pressure (Kusube, M. (117) 199)

Protein C

Thrombin; Thrombomodulin; Antithrombin; Factor Xa; Mutagenesis (Rezaie, A.R. (117) 255)

Protein precipitation

Hofmeister sequence; Ion; Dispersion potential (Boström, M. (117) 217)

Protein stability

Thermal denaturation; Protein structure; Polyol osmolyte; Ribonuclease-A; Lysozyme (Haque, I. (117) 1)

Protein structure

Protein stability; Thermal denaturation; Polyol osmolyte; Ribonuclease-A; Lysozyme (Haque, I. (117) 1)

Rate acceleration

Molecular dynamics; Translational entropy; Extension by force (Amzel, L.M. (117) 239)

Retinoic acid receptor

Cancer; Functional density (Silva, C.H.T.P. (117) 73)

Ribonuclease-A

Protein stability; Thermal denaturation; Protein structure; Polyol osmolyte; Lysozyme (Haque, I. (117) 1)

RNA

DNA; Melting curve; Melting profile; Thermodynamic analysis (Owczarzy, R. (117) 207)

Salt-bridge

Guanidinium; Formate; Ion-pair; Hydration (Sagarik, K. (117) 119)

Scaling relation

Power law; Persistence exponent; DNA; Fractional Brownian walk; Fractal dimension (Poland, D. (117) 87)

Single channel recording

Ion channel; Correlation analysis; Memory; Potassium channel; Dorsal root ganglion neurons (Tong-Han, L. (117) 191)

Single molecule studies

Biophysics; Binding strength; Force spectroscopy; Molecular recognition (Lévy, R. (117) 233)

SNOM

PC12; Cardiac myocytes; Membrane; Cell; Dynamics (Piga, R. (117) 141)

Speciation

ATP; Dioxouranium(VI); Complexes; Ionic media; Dependence on medium of stability constants (De Stefano, C. (117) 147)

Specificity

Hybridisation; Minisatellite probes; Telomere (Nepelchová, K. (117) 225)

Standard electrode potential

Coumestan derivative; Cyclic voltammetry; Electrochemical oxidation; Ab initio calculations (Namazian, M. (117) 13)

Structural dynamism

Piroxicam; Membrane parameter; Micellar chain length; Change in pK_a ; Optical spectroscopy (Chakraborty, H. (117) 79)

Surface adsorption

Zwitterionic surfactants; Biointerface; Phospholipid; Surface tension; Neutron reflection (Yaseen, M. (117) 263)

Surface energy

Ni-P-PTFE; Bacterial adhesion; Extended DLVO theory (Liu, Y. (117) 39)

Surface tension

Zwitterionic surfactants; Surface adsorption; Biointerface; Phospholipid; Neutron reflection (Yaseen, M. (117) 263)

Surfactant-polymer association

Cooperative binding of ligands; Lattice of linear polymer; Interaction between ligands on the polymer; Binding isotherm; Matrix method (Nishio, T. (117) 19)

Telomere

Hybridisation; Minisatellite probes; Specificity (Nepelchová, K. (117) 225)

Thermal denaturation

Protein stability; Protein structure; Polyol osmolyte; Ribonuclease-A; Lysozyme (Haque, I. (117) 1)

Thermally responsive material

Chitosan; Confocal microscopy; Polysaccharide (Crompton, K.E. (117) 47)

Thermodynamic analysis

DNA; RNA; Melting curve; Melting profile (Owczarzy, R. (117) 207)

Thrombin

Thrombomodulin; Protein C; Antithrombin; Factor Xa; Mutagenesis (Rezaie, A.R. (117) 255)

Thrombomodulin

Thrombin; Protein C; Antithrombin; Factor Xa; Mutagenesis (Rezaie, A.R. (117) 255)

Translational entropy

Molecular dynamics; Rate acceleration; Extension by force (Amzel, L.M. (117) 239)

Turbidity dichroism

Membrane electroporation; Bilayer elasticity; Absorption dichroism; Vesicle electroelongation; Lipid rearrangements; Membrane cholesterol (Kakorin, S. (117) 155)

Vesicle electroelongation

Membrane electroporation; Bilayer elasticity; Turbidity dichroism; Absorption dichroism; Lipid rearrangements; Membrane cholesterol (Kakorin, S. (117) 155)

Zwitterionic surfactants

Surface adsorption; Biointerface; Phospholipid; Surface tension; Neutron reflection (Yaseen, M. (117) 263)