



ELSEVIER

Biophysical Chemistry 104 (2003) 711–714

Biophysical
Chemistry

www.elsevier.com/locate/bpc

Author Index to Volume 104

- Ablonczy, Zs., Lukács, A., Papp, E. Application of the maximum entropy method to absorption kinetic rate processes (104) 249
- Adami, R., Cintio, O., Trombetta, G., Choquet, D., Grazi, E. On the stiffness of the natural actin filament decorated with alexa fluor tropomyosin (104) 469
- Akentiev, A.V., see Grigoriev, D.O. (104) 633
- Alberty, R.A. Standard transformed Gibbs energies of coenzyme A derivatives as functions of pH and ionic strength (104) 327
- Alberty, R.A. Fundamental equation of thermodynamics for protein–ligand binding (104) 543
- Araiso, T., see Sato, M. (104) 209
- Arfvidsson, M.C., see Bergstrand, N. (104) 361
- Armstrong, D.L., see Zidovetzki, R. (104) 534
- Arnold, K., see Naji, L. (104) 131
- Bae, Y.Chan., see Chang, B.H. (104) 523
- Bagheri, A., see Ruppert, C. (104) 229
- Banerjee, R., see Chakraborty, H. (104) 315
- Banyay, M., Sarkar, M., Gräslund, A. A library of IR bands of nucleic acids in solution (104) 477
- Barone, G., see Del Vecchio, P. (104) 407
- Barone, G., see Petraccone, L. (104) 259
- Barros, N., Feijóo, S. A combined mass and energy balance to provide bioindicators of soil microbiological quality (104) 561
- Bayley, R., see Neumann, E. (104) 697
- Bergstrand, N., Arfvidsson, M.C., Kim, J.-M., Thompson, D.H., Edwards, K. Interactions between pH-sensitive liposomes and model membranes (104) 361
- Bulone, D., see Mangione, M.R. (104) 95
- Cacchione, S., Luis Rodríguez, J., Mechelli, R., Franco, L., Savino, M. Acetylated nucleosome assembly on telomeric DNAs (104) 381
- Carbó-Dorca, R., see Niño, A. (104) 417
- Carcedo, C., see Reyman, D. (104) 683
- Chakraborty, H., Banerjee, R., Sarkar, M. Incorporation of NSAIDs in micelles: implication of structural switchover in drug–membrane interaction (104) 315
- Chalikian, T.V., see Taulier, N. (104) 21
- Chalikian, T.V., Filfil, R. How large are the volume changes accompanying protein transitions and binding? (104) 489
- Chan, V., see Fang, N. (104) 141
- Chang, B.H., Bae, Y.C. Salting-out in the aqueous single-protein solution: the effect of shape factor (104) 523
- Choquet, D., see Adami, R. (104) 469
- Ciliberto, A., Petrus, M.J., Tyson, J.J., Sible, J.C. A kinetic model of the cyclin E/Cdk2 developmental timer in *Xenopus laevis* embryos (104) 573
- Cintio, O., see Adami, R. (104) 469
- Clarke, R.J., see Wang, Y.j. (104) 449
- Cupane, A., Leone, M., Militello, V. Conformational substates and dynamic properties of carbonmonoxy hemoglobin (104) 335
- Danelon, C., Suenaga, A., Winterhalter, M., Yamato, I. Molecular origin of the cation selectivity in OmpF porin: single channel conductances vs. free energy calculation (104) 591
- Darzynkiewicz, Z., see Pietrzak, M. (104) 305
- Del Vecchio, P., Graziano, G., Granata, V., Barone, G., Mandrich, L., Rossi, M., Manco, G. Effect of trifluoroethanol on the conformational stability of a hyperthermophilic esterase: a CD study (104) 407
- Demura, M., see Sato, M. (104) 209
- Edwards, K., see Bergstrand, N. (104) 361
- Erra, E., see Petraccone, L. (104) 259
- Estavillo, C., Lu, Z., Jansson, I., Schenkman, J.B., Rusling, J.F. Epoxidation of styrene by human cyt P450 1A2 by thin film electrolysis and peroxide activation compared to solution reactions (104) 291
- Fang, N., Lai, A.C.-K., Wan, K.-T., Chan, V. Effect of acyl chain mismatch on the contact mechanics of two-component phospholipid vesicle during main phase transition (104) 141
- Feijóo, S., see Barros, N. (104) 561
- Figaszewski, Z.A., see Petelska, A.D. (104) 5
- Figaszewski, Z.A., see Petelska, A.D. (104) 13

- Filfil, R., see Chalikian, T.V. (104) 489
 Franco, L., see Cacchione, S. (104) 381
- Gavella, M., see Kveder, M. (104) 45
 Georgalis, Y., see Poznański, J. (104) 605
 Giacomazza, D., see Mangione, M.R. (104) 95
 Giancola, C., see Petraccone, L. (104) 259
 Gironés, X., see Niño, A. (104) 417
 Gonnelli, M., Strambini, G.B. Structure and dynamics of proteins encapsulated in silica hydrogels by Trp phosphorescence (104) 155
 Gräslund, A., see Banyay, M. (104) 477
 Granata, V., see Del Vecchio, P. (104) 407
 Grazi, E., see Adami, R. (104) 469
 Graziano, G., see Del Vecchio, P. (104) 407
 Graziano, G. On the cavity size distribution in water and *n*-hexane (104) 393
 Grigoriev, D.O., Krägel, J., Akentiev, A.V., Noskov, B.A., Miller, R., Pison, U. Relation between rheological properties and structural changes in monolayers of model lung surfactant under compression (104) 633
 Grimminger, F., see Ruppert, C. (104) 229
 Gu, W., Wang, T., Zhu, J., Shi, Y., Liu, H. Molecular dynamics simulation of the unfolding of the human prion protein domain under low pH and high temperature conditions (104) 79
 Günther, A., see Ruppert, C. (104) 229
- Hall, D. The effects of Tubulin denaturation on the characterization of its polymerization behavior (104) 655
 Heremans, K., see Meersman, F. (104) 297
 Hong, Y.-S., see Suh, K.-J. (104) 121
 Hu, N., see Huang, R. (104) 199
 Hu, N., see Lu, H. (104) 623
 Huang, R., Hu, N. Direct voltammetry and electrochemical catalysis with horseradish peroxidase in polyacrylamide hydrogel films (104) 199
- Jansson, I., see Estavillo, C. (104) 291
- Kamo, N., see Sato, M. (104) 209
 Kankia, B.I. Binding of Mg^{2+} to single-stranded polynucleotides: hydration and optical studies (104) 643
 Kärger, J., see Naji, L. (104) 131
 Kaufmann, J., see Naji, L. (104) 131
 Kikukawa, T., see Sato, M. (104) 209
 Kim, J.-M., see Bergstrand, N. (104) 361
 Kiyosawa, K. Theoretical and experimental studies on freezing point depression and vapor pressure deficit as methods to measure osmotic pressure of aqueous polyethylene glycol and bovine serum albumin solutions (104) 171
 Koe, G.S., see Lobo, B.A. (104) 67
 Koe, J.G., see Lobo, B.A. (104) 67
 Kooli, K., see Raukas, E. (104) 429
 Korolev, N., Lyubartsev, A.P., Nordenskiöld, L. Application of the Poisson Boltzmann polyelectrolyte model for analysis of thermal denaturation of DNA in the presence of Na^+ and polyamine cations (104) 55
 Korzeniewski, B. Influence of substrate activation (hydrolysis of ATP by first steps of glycolysis and β -oxidation) on the effect of enzyme deficiencies, inhibitors, substrate shortage and energy demand on oxidative phosphorylation (104) 107
 Krägel, J., see Grigoriev, D.O. (104) 633
 Kučera, I., Kuňák, M. Steady-state kinetic analysis of substrate pair cycling between two enzymes: application to a mediated electron transport between the cytoplasmic membrane and the periplasmic nitrite reductase of *Paracoccus denitrificans* (104) 617
 Kuňák, M., see Kučera, I. (104) 617
 Kveder, M., Pifat, G., Gavella, M., Lipovac, V. Effect of gangliosides on the copper-induced oxidation of human low-density lipoproteins (104) 45
 Kwak, J.C.T., see Nishio, T. (104) 501
- Lai, A.C.-K., see Fang, N. (104) 141
 Lee, C.-H., see Suh, K.-J. (104) 121
 Lee, C.-Y.J., see Suh, K.-J. (104) 121
 Leone, M., see Cupane, A. (104) 335
 Li, Z., see Lu, H. (104) 623
 Li, Z., see Zheng, J. (104) 37
 Linderman, J.J., see Woolf, P.J. (104) 217
 Lipovac, V., see Kveder, M. (104) 45
 Liu, H., see Gu, W. (104) 79
 Lobo, B.A., Koe, G.S., Koe, J.G., Middaugh, C.R. Thermodynamic analysis of binding and protonation in DOTAP/DOPE (1:1): DNA complexes using isothermal titration calorimetry (104) 67
 Lonhienne, T.G.A., Reilly, P.E.B., Winzor, D.J. Further evidence for the reliance of catalysis by rabbit muscle pyruvate kinase upon isomerization of the ternary complex between enzyme and products (104) 189
 Lu, H., Li, Z., Hu, N. Direct voltammetry and electrocatalytic properties of catalase incorporated in polyacrylamide hydrogel films (104) 623
 Lu, Z., see Estavillo, C. (104) 291
 Luis Rodríguez, J., see Cacchione, S. (104) 381
 Lukács, A., see Ablonczy, Zs. (104) 249
 Lyubartsev, A.P., see Korolev, N. (104) 55
- Manco, G., see Del Vecchio, P. (104) 407
 Mandrich, L., see Del Vecchio, P. (104) 407
 Mangione, M.R., Giacomazza, D., Bulone, D., Martorana, V., San Biagio, P.L. Thermoreversible gelation of κ -Carrageenan: relation between conformational transition and aggregation (104) 95
 Marhl, M., see Perc, M. (104) 509
 Markart, P., see Ruppert, C. (104) 229
 Martin, R., see Neumann, E. (104) 697
 Martorana, V., see Mangione, M.R. (104) 95
 Mechelli, R., see Cacchione, S. (104) 381

- Meersman, F., Heremans, K. High pressure induces the formation of aggregation-prone states of proteins under reducing conditions (104) 297
- Messere, A., see Petraccone, L. (104) 259
- Middaugh, C.R., see Lobo, B.A. (104) 67
- Militello, V., see Cupane, A. (104) 335
- Miller, R., see Grigoriev, D.O. (104) 633
- Minakata, A., see Nishio, T. (104) 501
- Montesarchio, D., see Petraccone, L. (104) 259
- Mosesson, M.W. John Douglass Ferry (1912–2002)—a memorial tribute (104) 1
- Moy, V.T., see Zhang, X. (104) 271
- Muñoz-Caro, C., see Niño, A. (104) 417
- Murugan, R. A stochastic model on DNA renaturation kinetics (104) 535
- Naji, L., Schiller, J., Kaufmann, J., Stallmach, F., Kärger, J., Arnold, K. The gel-forming behaviour of dextran in the presence of KCl: a quantitative ^{13}C and pulsed field gradient (PFG) NMR study (104) 131
- Neumann, E., Rabl, R., Martin, R., Bayley, R. Corrigendum to: "Temperature jump kinetic study of the stability of apo-calmodulin" (104) 697
- Niño, A., Muñoz-Caro, C., Carbó-Dorca, R., Gironés, X. Rational modelling of the voltage-dependent K^+ channel inactivation by aminopyridines (104) 417
- Nishio, T., Shimizu, T., Kwak, J.C.T., Minakata, A. The cooperative binding of large ligands to a one-dimensional lattice: the steric hindrance effect (104) 501
- Nitta, K., see Sato, M. (104) 209
- Nordenskiöld, L., see Korolev, N. (104) 55
- Noskov, B.A., see Grigoriev, D.O. (104) 633
- Okita, H., see Sato, M. (104) 209
- Papp, E., see Ablonczy, Zs. (104) 249
- Pecht, I., see Zidovetzki, R. (104) 534
- Peng, T., see Wang, S. (104) 239
- Perc, M., Marhl, M. Sensitivity and flexibility of regular and chaotic calcium oscillations (104) 509
- Petelska, A.D., Figaszewski, Z.A. Acid-base equilibria at interface separating electrolyte solution and lipid bilayer formed from phosphatidylserine (104) 5
- Petelska, A.D., Figaszewski, Z.A. Acid-base equilibria at interface separating electrolyte solution and lipid bilayer formed from phosphatidylcholine (104) 13
- Petraccone, L., Erra, E., Messere, A., Montesarchio, D., Piccialli, G., Barone, G., Giancola, C. Physico-chemical studies of a DNA triplex containing a new ferrocenemethylthymidine residue in the third strand (104) 259
- Petrus, M.J., see Ciliberto, A. (104) 573
- Piccialli, G., see Petraccone, L. (104) 259
- Pietrzak, M., Wieczorek, Z., Stachelska, A., Darzynkiewicz, Z. Interactions of chlorophyllin with acridine orange, quinacrine mustard and doxorubicin analyzed by light absorption and fluorescence spectroscopy (104) 305
- Pifat, G., see Kveder, M. (104) 45
- Pison, U., see Grigoriev, D.O. (104) 633
- Poland, D. DNA probability profiles: examples from the *Treponema pallidum* genome (104) 279
- Poznański, J., Georgalis, Y., Wehr, L., Saenger, W., Zielonkiewicz, P. Comparison of two different lysozyme types under native and crystallization conditions using two-dimensional NMR and dynamic light scattering (104) 605
- Pucker, C., see Ruppert, C. (104) 229
- Rabl, R., see Neumann, E. (104) 697
- Raukas, E., Kooli, K. Protonation of deoxycytidine residues in dC_4 tetraloops: UV spectrophotometric study of dC_{10} and $\text{d}(\text{A}_{14}\text{C}_4\text{T}_{14})$ (104) 429
- Reilly, P.E.B., see Lonhienne, T.G.A. (104) 189
- Reyman, D., Tapia, M.J., Carcedo, C., Viñas, M.H. Photophysical properties of methyl β -carboline-3-carboxylate mediated by hydrogen-bonded complexes—a comparative study in different solvents (104) 683
- Rossi, M., see Del Vecchio, P. (104) 407
- Rost, B., see Zidovetzki, R. (104) 534
- Ruppert, C., Pucker, C., Markart, P., Seibold, K., Bagheri, A., Grimminger, F., Seeger, W., Günther, A. Impact of surface tension on the conversion rate of large to small surfactant aggregates (104) 229
- Rusling, J.F., see Estavillo, C. (104) 291
- Saenger, W., see Poznański, J. (104) 605
- San Biagio, P.L., see Mangione, M.R. (104) 95
- Sarkar, M., see Banyay, M. (104) 477
- Sarkar, M., see Chakraborty, H. (104) 315
- Sato, M., Kikukawa, T., Arais, T., Okita, H., Shimono, K., Kamo, N., Demura, M., Nitta, K. Ser-130 of *Naionobacterium pharaonis* halorhodopsin is important for the chloride binding (104) 209
- Savino, M., see Cacchione, S. (104) 381
- Schenkman, J.B., see Estavillo, C. (104) 291
- Schiller, J., see Naji, L. (104) 131
- Seeger, W., see Ruppert, C. (104) 229
- Seibold, K., see Ruppert, C. (104) 229
- Shi, Y., see Gu, W. (104) 79
- Shimizu, T., see Nishio, T. (104) 501
- Shimono, K., see Sato, M. (104) 209
- Sible, J.C., see Ciliberto, A. (104) 573
- Skirda, V.D., see Suh, K.-J. (104) 121
- Stachelska, A., see Pietrzak, M. (104) 305
- Stallmach, F., see Naji, L. (104) 131
- Strambini, G.B., see Gonnelli, M. (104) 155
- Suenaga, A., see Danelon, C. (104) 591
- Suh, K.-J., Hong, Y.-S., Skirda, V.D., Volkov, V.I., Lee, C.-Y.J., Lee, C.-H. Water self-diffusion behavior in yeast cells studied by pulsed field gradient NMR (104) 121
- Tang, W., see Yao, Y. (104) 459
- Tapia, M.J., see Reyman, D. (104) 683
- Taulier, N., Chalikian, T.V. Volumetric effects of ionization of amino and carboxyl termini of α,ω -aminocarboxylic acids (104) 21

- Thompson, D.H., see Bergstrand, N. (104) 361
Trombetta, G., see Adami, R. (104) 469
Tyson, J.J., see Ciliberto, A. (104) 573
- Viñas, M.H., see Reyman, D. (104) 683
Volkov, V.I., see Suh, K.-J. (104) 121
- Wan, K.-T., see Fang, N. (104) 141
Wang, S., Peng, T., Yang, C.F. Electrochemical determination of interaction parameters for DNA and mitoxantrone in an irreversible redox process (104) 239
Wang, T., see Gu, W. (104) 79
Wang, Y.j., Winnik, F.M., Clarke, R.J. Interaction between DMPC liposomes and HM-PNIPAM polymer (104) 449
Wehr, L., see Poznański, J. (104) 605
Wieczorek, Z., see Pietrzak, M. (104) 305
Wills, P.R., see Winzor, D.J. (104) 345
Winnik, F.M., see Wang, Y.j. (104) 449
Winterhalter, M., see Danelon, C. (104) 591
Winzor, D.J., Wills, P.R. Allowance for thermodynamic non-ideality in the characterization of protein self-association by frontal exclusion chromatography: hemoglobin revisited (104) 345
- Winzor, D.J., see Lonhienne, T.G.A. (104) 189
Woolf, P.J., Linderman, J.J. Self organization of membrane proteins via dimerization (104) 217
Wu, A., see Zheng, J. (104) 37
- Yamato, I., see Danelon, C. (104) 591
Yang, C.F., see Wang, S. (104) 239
Yao, Y., Tang, W. NMR investigation of the alkaline-like conformational transition of horse heart cytochrome *c* in the presence of exogenous thiazole (104) 459
- Zhang, X., Moy, V.T. Cooperative adhesion of ligand-receptor bonds (104) 271
Zheng, J., Li, Z., Wu, A., Zhou, H. AFM studies of DNA structures on mica in the presence of alkaline earth metal ions (104) 37
Zhou, H., see Zheng, J. (104) 37
Zhu, J., see Gu, W. (104) 79
Zidovetzki, R., Rost, B., Armstrong, D.L., Pecht, I. Erratum to: "Transmembrane domains in the functions of Fc receptors" (104) 534
Zielenkiewicz, P., see Poznański, J. (104) 605