

Author Index to Volume 59

- Ahluwalia, J.C., see Jain, S. (59) 171
Ajtai, K., see Burghardt, T.P. (59) 119
Albaugh, S., see Steiner, R.F. (59) 277
Angeletti, M., see Johnson, C.R. (59) 107

Backlund, B.-M., see Öhman, A. (59) 185
Baldwin, R.L., see Kieffhaber, T. (59) 351
Benedetti, G. and Morosetti, S.
 A graph-topological approach to recognition of pattern and similarity in RNA secondary structures (59) 179
Böhm, G.
 New approaches in molecular structure prediction (59) 1
Burghardt, T.P., Lyke, J.E. and Ajtai, K.
 Fluorescence emission and anisotropy from rhodamine dimers (59) 119

Casu, M., Saba, G., Lai, A., Luhmer, M., Kirsch-De Mesmaeker, A., Moucheron, C. and Reisse, J.
 Binding of Ru(II) polyaaromatic complexes to DNA: A ²³Na NMR spin-lattice relaxation study (59) 133
Chen, R.-S., see Jiang, Y. (59) 95
Cheung, P., see Phan, B.C. (59) 341

Davydov, R., see Öhman, A. (59) 185

Eisenberg, H.
 Birth of the macromolecule (59) 247
Englander, J.J., see Rodgers, M.E. (59) 221
Englander, S.W., see Rodgers, M.E. (59) 221

Freire, E., see Johnson, C.R. (59) 107
Furquim, T.A., see Soares Macêdo, Z. (59) 193

Gassner, N.C., see Schellman, J.A. (59) 259
Ginsburg, A., see Zolkiewski, M. (59) 365
Gräslund, A., see Öhman, A. (59) 185

Häner, M., see Kellenberger, E. (59) 41
Harrington, W.F., see Rodgers, M.E. (59) 221
Hodges, R.S., see Yu, Y. (59) 299

Imafuku, Y., Toyoshima, Y.Y. and Tawada, K.
 Monte Carlo study for fluctuation analysis of the in vitro motility driven by protein motors (59) 139
Ito, A.S., see Soares Macêdo, Z. (59) 193

Jain, S. and Ahluwalia, J.C.
 Differential scanning calorimetric studies on the effect of ammonium and tetraalkylammonium halides on the stability of lysozyme (59) 171
Jiang, Y., Ye, Y.-J. and Chen, R.-S.
 Electronic energy levels and hopping conductivity of an entire molecule of hagfish insulin (59) 95
Johnson, C.R., Angeletti, M., Pucciarelli, S. and Freire, E.
 Oxygen binding to fallow-deer (*Dama dama*) hemoglobin: stepwise enthalpies at pH 7.4 (59) 107
Juminaga, D., see Steiner, R.F. (59) 277

Kao, H.P. and Verkman, A.S.
 Construction and performance of a photobleaching recovery apparatus with microsecond time resolution (59) 203
Karamata, D., see Kellenberger, E. (59) 41
Kellenberger, E., Stauffer, E., Häner, M., Lustig, A. and Karamata, D.
 Mechanism of the long tail-fiber deployment of bacteriophages T-even and its role in adsorption, infection and sedimentation (59) 41
Kieffhaber, T. and Baldwin, R.L.
 Hydrogen exchange and the unfolding pathway of ribonuclease A (59) 351
Kirsch-De Mesmaeker, A., see Casu, M. (59) 133
Korn, E.D., see Zolkiewski, M. (59) 365
Korzeniewski, B.
 Regulation of cytochrome oxidase: theoretical studies (59) 75
Kovach, I.S.
 A molecular theory of cartilage viscoelasticity (59) 61

Lai, A., see Casu, M. (59) 133
Langel, Ü., see Öhman, A. (59) 185
Luhmer, M., see Casu, M. (59) 133
Lustig, A., see Kellenberger, E. (59) 41
Lyke, J.E., see Burghardt, T.P. (59) 119

Maiti, M., see Sen, A. (59) 155
Monera, O.D., see Yu, Y. (59) 299
Morosetti, S., see Benedetti, G. (59) 179
Moucheron, C., see Casu, M. (59) 133

Öhman, A., Davydov, R., Backlund, B.-M., Langel, Ü. and Gräslund, A.
 A study of melittin, motilin and galanin in reversed micellar environments, using circular dichroism spectroscopy (59) 185

- Ohmori, T. and Yang, R.Y.K.
Self-sustained pH oscillations in immobilized proteolytic enzyme systems (59) 87
- Phan, B.C., Cheung, P., Stafford, W.F. and Reisler, E.
Complexes of myosin subfragment-1 with adenosine diphosphate and phosphate analogs: probes of active site and protein conformation (59) 341
- Pollack, G.H.
Phase transitions and the molecular mechanism of contraction (59) 315
- Privalov, P.L., see Yu, Y. (59) 299
- Pucciarelli, S., see Johnson, C.R. (59) 107
- Ray, A., see Sen, A. (59) 155
- Redowicz, M.J., see Zolkiewski, M. (59) 365
- Rees, W.A., see Von Hippel, P.H. (59) 231
- Reisler, E., see Phan, B.C. (59) 341
- Reisse, J., see Casu, M. (59) 133
- Rippe, K., see Von Hippel, P.H. (59) 231
- Rodgers, M.E., Englander, J.J., Englander, S.W. and Harrington, W.F.
Measurement of protein structure change in active muscle by hydrogen-tritium exchange (59) 221
- Saba, G., see Casu, M. (59) 133
- Sakaguchi, H., see Urabe, K. (59) 33
- Schachman, H.K., see Yang, Y.R. (59) 289
- Schellman, J.A. and Gassner, N.C.
The enthalpy of transfer of unfolded proteins into solutions of urea and guanidinium chloride (59) 259
- Scheraga, H.A.
Recent developments in the theory of protein folding: searching for the global energy minimum (59) 329
- Sen, A., Ray, A. and Maiti, M.
Thermodynamics of the interactions of sanguinarine with DNA: influence of ionic strength and base composition (59) 155
- Soares Macêdo, Z., Furquim, T.A. and Ito, A.S.
Estimation of average depth of penetration of melanotropins in dimyristoylphosphatidylglycerol vesicles (59) 193
- Stafford, W.F., see Phan, B.C. (59) 341
- Stauffer, E., see Kellenberger, E. (59) 41
- Steiner, R.F., Juminaga, D., Albaugh, S. and Washington, H.
A comparison of the properties of the binary and ternary complexes formed by calmodulin and troponin C with two regulatory peptides of phosphorylase kinase (59) 277
- Szent-Györgyi, A.G.
Regulation of contraction by calcium binding myosins (59) 357
- Tawada, K., see Imafuku, Y. (59) 139
- Toyoshima, Y.Y., see Imafuku, Y. (59) 139
- Urabe, K. and Sakaguchi, H.
Characteristics of current induced potential oscillations of a triolein impregnated membrane placed between identical salt solutions (59) 33
- Verkman, A.S., see Kao, H.P. (59) 203
- Von Hippel, P.H., Rees, W.A., Rippe, K. and Wilson, K.S.
Specificity mechanisms in the control of transcription (59) 231
- Washington, H., see Steiner, R.F. (59) 277
- Wilson, K.S., see Von Hippel, P.H. (59) 231
- Yang, R.Y.K., see Ohmori, T. (59) 87
- Yang, Y.R. and Schachman, H.K.
A bifunctional fusion protein containing the maltose binding polypeptide and the catalytic chain of aspartate transcarbamoylase: assembly, oligomers, and domains (59) 289
- Ye, Y.-J., see Jiang, Y. (59) 95
- Yu, Y., Monera, O.D., Hodges, R.S. and Privalov, P.L.
Investigation of electrostatic interactions in two-stranded coiled-coils through residue shuffling (59) 299
- Zolkiewski, M., Redowicz, M.J., Korn, E.D. and Ginsburg, A.
Thermal unfolding of *Acanthamoeba* myosin II and skeletal muscle myosin (59) 365