

AUTHOR INDEX TO VOLUME 37 (1990)

- Ackers, G.K. and Johnson, M.L.
Analysis of hemoglobin oxygenation from combined equilibrium and kinetic data. Is quaternary enhancement necessary? (37) 265
- Ackers, G.K.
The energetics of ligand-linked subunit assembly in hemoglobin require a third allosteric structure (37) 371
- Allewell, N.M., see Burz, D.S. (37) 31
- Amiconi, G., see Coletta, M. (37) 355
- Ascenzi, P., see Coletta, M. (37) 355
- Ascoli, F., see Santucci, R. (37) 251
- Baldwin, R.L., see Fairman, R. (37) 107
- Bardgard, A., see Giardina, B. (37) 281
- Bellelli, A., see Ippoliti, R. (37) 293
- Benazzi, L., see Perrella, M. (37) 211
- Boffi, A., see Chiancone, E. (37) 287
- Bolen, D.W. and Slightom, J.L.
Calorimetric determination of linkage effects involving an acyl-enzyme intermediate (37) 303
- Bolognesi, M., see Coletta, M. (37) 355
- Bolognesi, M., see Ippoliti, R. (37) 293
- Bondon, A. and Simonneaux, G.
³¹P-NMR investigation of trimethylphosphine binding to [α Fe(II), β Mn(II)] hybrid hemoglobin. A model for partially liganded species (37) 407
- Brix, O., see Giardina, B. (37) 281
- Bruni, F., see Careri, G. (37) 165
- Brunori, M., see Ippoliti, R. (37) 293
- Bucci, E. and Steiner, R.F.
Perturbation of molecular species distribution in steady states supported by a flow of energy. Models analogous to Ca^{2+} -dependent ATPase and phosphorylase *b* (37) 61
- Burke, M.A., Maini, P.K. and Murray, J.D.
On the kinetics of suicide substrates (37) 81
- Burz, D.S., Allewell, N.M., Ghosaini, L., Hu, C.Q. and Sturtevant, J.M.
Differential scanning calorimetric studies of *E. coli* aspartate transcarbamylase. III. The denaturational thermodynamics of the holoenzyme with single-site mutations in the catalytic chain (37) 31
- Busch, M.R. and Ho, C.
Effects of anions on the molecular basis of the Bohr effect of hemoglobin (37) 313
- Cai, G.-Z., Lee, L.L.-Y., Luther, M.A. and Lee, J.C.
Regulation and quaternary structural changes in rabbit muscle phosphofructokinase (37) 97
- Campbell, B.F., see Friedman, J.M. (37) 43
- Careri, G., Consolini, G. and Bruni, F.
Proton tunneling in hydrated biological tissues near 200 K (37) 165
- Castagnola, M., see Ippoliti, R. (37) 293
- Chiancone, E., Verzili, D., Boffi, A., Royer, Jr, W.E. and Hendrickson, W.A.
A cooperative hemoglobin with directly communicating hemes. The *Scapharca inaequivalvis* homodimer (37) 287
- Coletta, M., Ascenzi, P., Amiconi, G., Bolognesi, M., Guarneri, M. and Menegatti, E.
Bovine trypsinogen activation. A thermodynamic study (37) 355
- Colosimo, A., see Perrella, M. (37) 211
- Condo, S.G., see Giardina, B. (37) 281
- Consolini, G., see Careri, G. (37) 165
- Coplan, P., see Visser, G. (37) 383
- Cordone, L., Cupane, A., Leone, M., Militello, V. and Vitrano, E.
Oxygen binding to partially oxidized hemoglobin. Analysis in terms of an allosteric model (37) 171
- Cupane, A., see Cordone, L. (37) 171
- Currell, D., see Ippoliti, R. (37) 293
- Debru, C.
Is symmetry conservation an unessential feature of allosteric theory? (37) 15
- Decker, H.
Nested allostery in scorpion hemocyanin (*Pandinus imperator*) (37) 257
- Di Cera, E.
Thermodynamics of local linkage effects. Contracted partition functions and the analysis of site-specific energetics (37) 147
- Dupont, G., see Goldbeter, A. (37) 341
- Edsall, J.T.
Jeffries Wyman: Scientist, Philosopher and Adventurer (37) 7
- Fairman, R., Shoemaker, K.R., York, E.J., Stewart, J.M. and Baldwin, R.L.
The Glu 2⁻ ... Arg 10⁺ side-chain interaction in the C-peptide helix of ribonuclease A (37) 107
- Friedman, J.M., Campbell, B.F. and Noble, R.W.
A possible new control mechanism suggested by resonance Raman spectra from a deep ocean fish hemoglobin (37) 43

Fronticelli, C.

A possible new mechanism of oxygen affinity modulation in mammalian hemoglobins (37) 141

Ghosaini, L., see Burz, D.S. (37) 31

Giardina, B., Condò, S.G., Petruzzelli, R., Bardgard, A. and Brix, O.

Thermodynamics of oxygen binding to arctic hemoglobins. The case of reindeer (37) 281

Gilbert, D.A., see Visser, G. (37) 383

Gill, S.C., Yager, T.D. and Von Hippel, P.H.

Thermodynamic analysis of the transcription cycle in *E. coli* (37) 239

Gill, S.J., see Ownby, D.W. (37) 395

Goldbeter, A. and Dupont, G.

Allosteric regulation, cooperativity, and biochemical oscillations (37) 341

Guarneri, M., see Coletta, M. (37) 355

Hammond, K., see Visser, G. (37) 383

Hendrickson, W.A., see Chiancone, E. (37) 287

Ho, C., see Busch, M.R. (37) 313

Hu, C.Q., see Burz, D.S. (37) 31

Imai, K.

Precision determination and Adair scheme analysis of oxygen equilibrium curves of concentrated hemoglobin solution. A strict examination of Adair constant evaluation methods (37) 197

Imai, K., see Myers, D. (37) 323

Ippoliti, R., Currell, D., Lendaro, E., Bellelli, A., Castagnola, M., Bolognesi, M. and Brunori, M.

Effect of aromatic isothiocyanates on the functional properties of human hemoglobin. Role of the stereochemistry of the charged group (37) 293

Johnson, M.L. and Lassiter, A.E.

Consequences of neglecting the hemoglobin concentration on the determination of Adair binding constants (37) 231

Johnson, M.L., see Ackers, G.K. (37) 265

Kister, J., see Marden, M.C. (37) 363

La Mar, G.N., see Santucci, R. (37) 251

Lassiter, A.E., see Johnson, M.L. (37) 231

Lee, J.C., see Cai, G.-Z. (37) 97

Lee, L.L.-Y., see Cai, G.-Z. (37) 97

Lendaro, E., see Ippoliti, R. (37) 293

Leone, M., see Cordone, L. (37) 171

Luther, M.A., see Cai, G.-Z. (37) 97

Maini, P.K., see Burke, M.A. (37) 81

Manca, L., see Masala, B. (37) 225

Marden, M.C., Kister, J. and Poyart, C.

Fitting abnormal oxygen equilibrium curves of hemoglobin (37) 363

Masala, B. and Manca, L.

High-performance liquid chromatography of globin chains in the identification of human globin gene abnormalities (37) 225

Menegatti, E., see Coletta, M. (37) 355

Militello, V., see Cordone, L. (37) 171

Murray, J.D., see Burke, M.A. (37) 81

Myers, D., Imai, K. and Yonetani, T.

Comparative least-squares analysis of hemoglobin oxygen equilibrium curves (37) 323

Newell, J.O. and Schachman, H.K.

Amino acid substitutions which stabilize aspartate transcarbamoylase in the R state disrupt both homotropic and heterotropic effects (37) 183

Noble, R.W., see Friedman, J.M. (37) 43

Ownby, D.W. and Gill, S.J.

Nonlinear optical effects in oxygen-binding reactions of hemoglobin A₀ (37) 395

Parish, D.W., see Santucci, R. (37) 251

Perrella, M., Colosimo, A., Benazzi, L., Ripamonti, M. and Rossi-Bernardi, L.

What the intermediate compounds in ligand binding to hemoglobin tell about the mechanism of cooperativity (37) 211

Perutz, M.F.

Frequency of abnormal human haemoglobins caused by C → T transitions in CpG dinucleotides (37) 25

Peters, K.S., see Westrick, J.A. (37) 73

Petruzzelli, R., see Giardina, B. (37) 281

Phillipson, P.E.

An analytic model for kinetics of hemoglobin reacting with ligand (37) 91

Poyart, C., see Marden, M.C. (37) 363

Reinten, C., see Visser, G. (37) 383

Ripamonti, M., see Perrella, M. (37) 211

Rossi-Bernardi, L., see Perrella, M. (37) 211

Royer, Jr, W.E., see Chiancone, E. (37) 287

Santucci, R., Ascoli, F., La Mar, G.N., Parish, D.W. and Smith, K.M.

Horse heart myoglobin reconstituted with a symmetrical heme. A circular dichroism study (37) 251

Schachman, H.K., see Newell, J.O. (37) 183

Schellman, J.A.

A simple model for solvation in mixed solvents. Applications to the stabilization and destabilization of macromolecular structures (37) 121

Shoemaker, K.R., see Fairman, R. (37) 107

Simonneaux, G., see Bondon, A. (37) 407

Slightom, J.L., see Bolen, D.W. (37) 303

Smith, K.M., see Santucci, R. (37) 251

Steiner, R.F., see Bucci, E. (37) 61

Stewart, J.M., see Fairman, R. (37) 107

Sturtevant, J.M., see Burz, D.S. (37) 31

Verzili, D., see Chiancone, E. (37) 287

Visser, G., Reinten, C., Coplan, P., Gilbert, D.A. and Hammond, K.

Oscillations in cell morphology and redox state (37) 383

Vitrano, E., see Cordone, L. (37) 171

Von Hippel, P.H., see Gill, S.C. (37) 239

Westrick, J.A. and Peters, K.S.

A photoacoustic calorimetric study of horse myoglobin (37)
73

Yager, T.D., see Gill, S.C. (37) 239

Yonetani, T., see Myers, D. (37) 323

York, E.J., see Fairman, R. (37) 107