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Electronic energy level

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Proteins; Global energy minimum; Statistical mechanics; Computer simulation; Multiple minima (Scheraga, H.A. (59) 329)

Force generation

Hydrogen exchange; Muscle function; Proteins, structure change (Rodgers, M.E. (59) 221)

Formaldehyde

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Gene fusion

Covalent linkage of different polypeptide chains; Bifunctional protein (Yang, Y.R. (59) 289)

Genetic algorithms

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Knowledge-based methods

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Melanotropic hormones

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Membrane biology

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Membrane conductance

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Molecular adaptation

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Molecular modeling

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Myosin; Calcium binding; Contraction; Muscles (Szent-Györgyi, A.G. (59) 357)

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Sliding movement; Cytoskeletal filaments; Random walk, biased; Diffusion; Motility; Cell motility (Imafuku, Y. (59) 139)

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Sliding movement; Cytoskeletal filaments; Random walk, biased; Diffusion; Monte Carlo study; Cell motility (Imafuku, Y. (59) 139)

Multiple minima

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Muscle contraction

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Muscle function

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Oxidative phosphorylation

Cytochrome oxidase; Kinetics; Thermodynamics; Dynamic model (Korzeniewski, B. (59) 75)

Oxygen binding

Calorimetry; Allosteric interactions; Cooperativity; Molecular adaptation; Hemoglobin (Johnson, C.R. (59) 107)

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Viscoelasticity

Articular cartilage; Osmotic swelling pressure; Configurational entropy; Hydraulic permeability; Poisson–Boltzmann equation; Cartilage (Kovach, I.S. (59) 61)

X-ray crystallography

Macromolecules, biological; Ultracentrifugation (Eisenberg, H. (59) 247)