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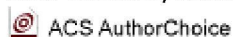
Current Topics

Visualizing Functional Motions of Membrane Transporters with Molecular Dynamics Simulations

Saher A. Shaikh, Jing Li, Giray Enkavi, Po-Chao Wen, Zhijian Huang, and Emad Tajkhorshid
pp 569–587

Publication Date (Web): January 8, 2013 (Current Topic)

DOI: 10.1021/bi301086x



Articles

Principles for Understanding the Accuracy of SHAPE-Directed RNA Structure Modeling

Christopher W. Leonard, Christine E. Hajdin, Fethullah Karabiber, David H. Mathews, Oleg V. Favorov, Nikolay V. Dokholyan, and Kevin M. Weeks
pp 588–595

Publication Date (Web): January 14, 2013 (Article)

DOI: 10.1021/bi300755u

Statistical Analysis of SHAPE-Directed RNA Secondary Structure Modeling

Srinivas Ramachandran, Feng Ding, Kevin M. Weeks, and Nikolay V. Dokholyan
pp 596–599

Publication Date (Web): January 4, 2013 (Article)

DOI: 10.1021/bi300756s



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Publication Date (Web): January 9, 2013 (Article)

DOI: 10.1021/bi301105u

Identification of Structural–Kinetic and Structural–Thermodynamic Relationships for Thrombin Inhibitors

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DOI: 10.1021/bi301333z

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Nuclear Magnetic Resonance Solution Structure of the Peptidoglycan-Binding SPOR Domain from Escherichia coli DamX: Insights into Septal Localization

Kyle B. Williams, Atsushi Yahashiri, S. J. Ryan Arends, David L. Popham, C. Andrew Fowler, and David S. Weiss

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DOI: 10.1021/bi301609e

Ligand Access to the Active Site in Thermus thermophilusba₃ and Bovine Heart aa₃ Cytochrome Oxidases

William McDonald, Chie Funatogawa, Yang Li, Istvan Szundi, Ying Chen, James A. Fee, C. David Stout, and Ólöf Einarsdóttir

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DOI: 10.1021/bi301358a

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Enzymes

Recombinant Expression, Biophysical Characterization, and Cardiolipin-Induced Changes of Two Caenorhabditis elegans Cytochrome c Proteins

Amber J. Vincelli, Danielle S. Pottinger, Fangfang Zhong, Jonas Hanske, Stéphane G. Rolland, Barbara Conradt, and Ekaterina V. Pletneva

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DOI: 10.1021/bi3014938

The Use of Deuterated Camphor as a Substrate in ¹H ENDOR Studies of Hydroxylation by Cryoreduced Oxy P450cam Provides New Evidence of the Involvement of Compound I

Roman Davydov, John H. Dawson, Roshan Perera, and Brian M. Hoffman

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DOI: 10.1021/bi301527c

Interactions of Glycine Betaine with Proteins: Insights from Volume and Compressibility Measurements

Yuen Lai Shek and Tigran V. Chalikian

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Publication Date (Web): January 8, 2013 (Article)

DOI: 10.1021/bi301554h

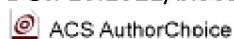
Skelemin in Integrin $\alpha_{IIb}\beta_3$ Mediated Cell Spreading

Xinlei Li, Yongqing Liu, and Thomas A. Haas

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DOI: 10.1021/bi301242m

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Amanda M. McGuire, Bonnie J. Cuthbert, Zhen Ma, Kristen D. Grauer-Gray, Megan Brunjes Brophy, Kayce A. Spear, Sumarin Soonsanga, Joseph I. Kliegman, Sarah L. Griner, John D. Helmann, and Arthur Glasfeld

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DOI: 10.1021/bi301550t

Comparative Analysis of Homology Models of the Ah Receptor Ligand Binding Domain: Verification of Structure–Function Predictions by Site-Directed Mutagenesis of a Nonfunctional Receptor

Domenico Fraccalvieri, Anatoly A. Soshilov, Sibel I. Karchner, Diana G. Franks, Alessandro Pandini, Laura Bonati, Mark E. Hahn, and Michael S. Denison

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Publication Date (Web): January 3, 2013 (Article)

DOI: 10.1021/bi301457f



General Biochemistry

Ligand-Specific Binding and Activation of the Human Adenosine A_{2B} Receptor

Dominik Thimm, Anke C. Schiedel, Farag F. Sherbiny, Sonja Hinz, Katharina Hochheiser, Daniela C. G. Bertarelli, Astrid Maaß, and Christa E. Müller

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Comparative Study of Enzyme Activity and Heme Reactivity in Drosophila melanogaster and Homo sapiens Cystathionine β -Synthases

Yang Su, Tomas Majtan, Katherine M. Freeman, Rachel Linck, Sarah Ponter, Jan P. Kraus, and Judith N. Burstyn

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Publication Date (Web): September 24, 2012 (Article)

DOI: 10.1021/bi300615c



Enzymes

An Unusual Conformation of γ -Melanocyte-Stimulating Hormone Analogues Leads to a Selective Human Melanocortin 1 Receptor Antagonist for Targeting Melanoma Cells

Minying Cai, Magda Stankova, Dhanasekaran Muthu, Alexander Mayorov, Zhehui Yang, Devendra Trivedi, Christopher Cabello, and Victor J. Hruby

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Publication Date (Web): December 31, 2012 (Article)

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