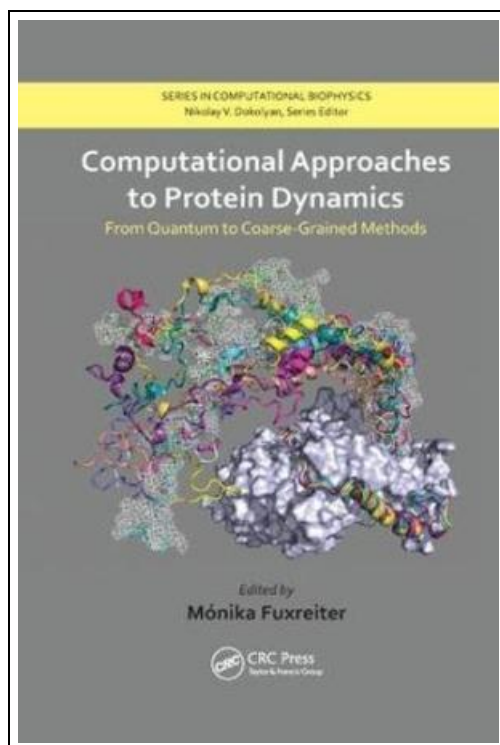


Computational Approaches to Protein Dynamics: From Quantum to Coarse-Grained Methods (Paperback)



Filesize: 9.73 MB

Reviews

Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.
(Kade Ankunding)

COMPUTATIONAL APPROACHES TO PROTEIN DYNAMICS: FROM QUANTUM TO COARSE-GRAINED METHODS (PAPERBACK)**DOWNLOAD**

Taylor Francis Ltd, United Kingdom, 2018. Paperback. Condition: New. Reprint. Language: English . Brand New Book. The Latest Developments on the Role of Dynamics in Protein Functions Computational Approaches to Protein Dynamics: From Quantum to Coarse-Grained Methods presents modern biomolecular computational techniques that address protein flexibility/dynamics at all levels of theory. An international contingent of leading researchers in chemistry, physics, and biology show how these advanced methods provide insights into dynamic aspects of biochemical processes. A particular focus is on intrinsically disordered proteins (IDPs), which lack a well-defined three-dimensional structure and function as dynamic ensembles. The book covers a wide spectrum of dynamics, from electronic structure-based to coarse-grained techniques via multiscaling at different levels. After an introduction to dynamics and historical overview of basic methodologies, the book addresses the following issues: *Is there a quantitative relationship between enzymatic catalysis and protein dynamics? *Which are the functionally relevant motions of proteins? *How can structural properties and partner recognition mechanisms of IDPs be simulated? *How can we speed up molecular dynamics? *How can we describe conformational ensembles by the synergistic effort of computations and experiments? While dynamics is now considered essential for interpreting protein action, it is not yet an integral component in establishing structure-function relationships of proteins. Helping to reshape this classical view in biochemistry, this groundbreaking book explores advances in computational methodology and contributes to the new, ensemble way of studying proteins.

[Read Computational Approaches to Protein Dynamics: From Quantum to Coarse-Grained Methods \(Paperback\) Online](#)[Download PDF Computational Approaches to Protein Dynamics: From Quantum to Coarse-Grained Methods \(Paperback\)](#)

Related PDFs



Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

[Download](#) [Document](#)

»



Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

[Download](#) [Document](#)

»



TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Download](#) [Document](#)

»



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Download](#) [Document](#)

»



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Download](#) [Document](#)

»