

# Computational Modeling Of Microtubule Structure And Assembly

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### **COMPUTATIONAL MODELING OF MICROTUBULE STRUCTURE AND ASSEMBLY**

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### **COMPUTATIONAL MODELING OF MICROTUBULE STRUCTURE AND ASSEMBLY**

*Wed, 22 Mar 2017 15:28:00 GMT*

computational modeling of microtubule structure and assembly / on researchgate, the professional network for scientists.

### **COMPUTATIONAL MODELING OF MICROTUBULE STRUCTURE AND ...**

*Wed, 10 May 2017 12:07:00 GMT*

dynamic turnover of microtubules plays a critical role in cell growth and division. this book describes computational models that accurately describe assembly ...

### **DYNAMICS OF MICROTUBULE SELF-ASSEMBLY - SCIENCEDIRECT**

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dynamics of microtubule self-assembly. ... computational modeling has emerged as ... microtubule self-assembly dynamics and microtubule structure may give us new ...

### **MECHANOCHEMICAL MODEL OF MICROTUBULE STRUCTURE AND SELF ...**

*Tue, 25 Apr 2017 16:14:00 GMT*

mechanochemical model of microtubule structure and self-assembly kinetics ... computational models are presently

### **TEXT CHURCH AND WORLD - SJVDVFO**

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### **A THERMODYNAMIC MODEL OF MICROTUBULE ASSEMBLY AND ... - PLOS**

*Mon, 10 Aug 2009 23:55:00 GMT*

a thermodynamic model of microtubule assembly and ... further insight into the manner of microtubule assembly and ... of the model to microtubule structure.

### **MICROTUBULE ASSEMBLY DYNAMICS: NEW INSIGHTS AT THE ...**

*Sun, 30 Apr 2017 13:23:00 GMT*

microtubule assembly dynamics: ... computational modeling is providing a framework for ... microtubule structure at the nanoscale.

### **MICROTUBULE ASSEMBLY DYNAMICS: NEW INSIGHTS AT THE NANOSCALE**

*Sun, 16 Apr 2017 08:46:00 GMT*

although the dynamic self-assembly behavior of microtubule ends has ... of computational models for mt assembly in ... model of microtubule structure and ...

### **ESSENTIAL COMPUTATIONAL MODELING IN CHEMISTRY**

*Fri, 02 Dec 2016 03:13:00 GMT*

computational modeling of microtubule structure and assembly pdf ... composites with micro and nano structure  
computational modeling and experiments pdf

### **MULTISCALE MODELING AND ANALYSIS OF MICROTUBULE SELF ...**

*Mon, 01 May 2017 02:24:00 GMT*

self-assembly dynamics are ... multiscale computational modeling and experimental ... from a computational model for microtubule self-assembly and ...

### **MECHANOCHEMICAL MODEL OF MICROTUBULE STRUCTURE AND SELF ...**

*Fri, 12 May 2017 10:24:00 GMT*

mechanochemical model of microtubule structure and self-assembly ... computational models are presently ... pseudo-mechanical model of microtubule assembly ...

### **COMPUTATIONAL MODELING OF AXONAL MICROTUBULE BUNDLES UNDER ...**

*Fri, 10 Jun 2011 23:56:00 GMT*

computational modeling of axonal microtubule bundles ... computational modeling of axonal microtubule ... computational modeling techniques have been ...

### **COMPUTATIONAL MODELING OF AXONAL MICROTUBULE BUNDLES UNDER ...**

*Mon, 08 May 2017 20:30:00 GMT*

this study investigates the initial mechanical response of axonal microtubule bundles under ... computational modeling of ... a. microtubule assembly ...

### **MICROTUBULE ASSEMBLY DYNAMICS: NEW INSIGHTS AT THE ...**

*Mon, 28 Sep 2015 06:43:00 GMT*

an important aspect of these efforts will be the integration of computational models for mt assembly in the ... model of microtubule structure and self ...

### **MICROTUBULE DYNAMIC INSTABILITY: A NEW MODEL WITH COUPLED ...**

*Mon, 08 May 2017 08:06:00 GMT*

the models we consider are kinetic descriptions of microtubule assembly and ... random computational model, ... model of microtubule structure and self ...

### **DYNEIN TETHERS AND STABILIZES DYNAMIC MICROTUBULE PLUS-ENDS**

*Thu, 19 Jan 2017 21:07:00 GMT*

these dynamics allow microtubule plus ends to explore ... 3d computational simulations of microtubule assembly were ... model of microtubule structure and self ...

### **MECHANOCHEMICAL MODEL OF MICROTUBULE STRUCTURE AND SELF ...**

*Thu, 11 May 2017 21:46:00 GMT*

... previous models for microtubule dynamic instability have not considered such ... mechanochemical model of microtubule structure and self-assembly ...

### **MULTISCALE MODELING AND ANALYSIS OF MICROTUBULE ... - PROQUEST**

*Sun, 16 Apr 2017 03:53:00 GMT*

dissertations & theses - gradworks ... nature of microtubule assembly, ... by combining predictions from a computational model for microtubule self-assembly and ...

### **MECHANOCHEMICAL MODEL OF MICROTUBULE STRUCTURE AND SELF ...**

*Sat, 29 Apr 2017 23:47:00 GMT*

mechanochemical model of microtubule structure and self-assembly ... 2911 mechanochemical model of microtubule ... computational models are ...

### **VINCENT J. VANBUREN, PH.D., F.A.H.A. - TAMHSC COLLEGE OF ...**

Thu, 13 Apr 2017 23:59:00 GMT

vanburen v. (2011) computational modeling of microtubule structure and assembly: a pseudo-mechanical model and a mechanical model (book), 152 pp, vdm verlag dr ...

### **A THEORY OF MICROTUBULE CATASTROPHES AND THEIR REGULATION**

Wed, 21 Oct 2009 23:55:00 GMT

... mechanochemical model of microtubule structure and ... insights into cytoskeletal behavior from computational modeling of ... microtubule assembly ...

### **THE MECHANISMS OF MICROTUBULE CATASTROPHE AND RESCUE ...**

Sat, 06 May 2017 21:16:00 GMT

putational model of mt assembly that is consistent with tubulin structure and ... computational models ... fundamental aspects of microtubule structure. (b) ...

### **THE 3MS OF CENTRAL SPINDLE ASSEMBLY: MICROTUBULES, MOTORS ...**

Sun, 30 Sep 2007 23:59:00 GMT

the 3ms of central spindle assembly: microtubules, ... modelling spindle assembly. how does a bipolar structure with ... computational models allow facile ...

### **THE MECHANISMS OF MICROTUBULE CATASTROPHE AND RESCUE ...**

Fri, 03 Mar 2017 15:01:00 GMT

... we used a dimer-scale computational model of mt assembly that is consistent with tubulin ... mechanochemical model of microtubule structure and self-assembly ...

### **VISCOELASTIC RESPONSE OF MICROTUBULE-TAU PROTEINS ASSEMBLY ...**

Fri, 21 Apr 2017 08:12:00 GMT

in our model, we have considered both microtubule and tau ... of microtubule-tau proteins assembly during axonal stretch : combined atomistic and continuum predictions.

### **PLOS COMPUTATIONAL BIOLOGY: THE FREE ENERGY PROFILE OF ...**

Wed, 05 Feb 2014 23:57:00 GMT

in agreement with predictions of the lattice model of microtubule assembly, ... tubulin structure . our computational results ... microtubule structure at ...

### **COMPUTATIONAL MODEL OF DYNEIN-DEPENDENT SELF- ORGANIZATION ...**

Sun, 26 Mar 2017 17:18:00 GMT

organization of microtubule asters and the ... we develop and analyze a computational model of ... ends disassemble at a rate similar to the rate of assembly of ...

### **MICROTUBULE DYNAMIC INSTABILITY: A NEW MODEL WITH COUPLED ...**

Thu, 05 Nov 2015 18:08:00 GMT

microtubule dynamic instability: a new model with coupled gtp hydrolysis and multistep catastrophe. ... mechanochemical model of microtubule structure and self ...

### **HOMOLOGY MODELING OF TUBULIN: INFLUENCE PREDICTIONS FOR ...**

Mon, 28 Aug 2006 23:59:00 GMT

homology modeling of tubulin: influence predictions for ... modeling as a computational tool to ... models for the self-assembly and microtubule ...

### **HYUNDAI ACCENT CHECK ENGINE LIGHT CODES - IPBAFO**

Fri, 12 May 2017 02:32:00 GMT

2009 medsolutions inc clinical computational modeling of microtubule structure and assembly answer ... [http://ipbafo/a/pb/computational\\_modeling\\_of\\_microtubule](http://ipbafo/a/pb/computational_modeling_of_microtubule) ...

**THE MECHANISMS OF MICROTUBULE CATASTROPHE AND RESCUE ...**

*Mon, 12 Dec 2011 23:58:00 GMT*

the mechanisms of microtubule catastrophe and rescue: implications from ... computational model of mt assembly  
that ... of microtubule structure ...