

# **Energy Landscapes, Inherent Structures, And Condensed-Matter Phenomena By Frank H. Stillinger**

**By Frank H. Stillinger**

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liquids in the inherent-structure Frank H. Stillinger and Pablo G. Debenedetti Annual Review of Condensed Matter Physics 2013 4 263 CrossRef

## **Nonequilibrium fluctuations in small systems-From -**

Abstract: In this paper I am presenting an overview on several topics related to nonequilibrium fluctuations in small systems. I start with a general discussion about

## **"Taming the Rugged Landscape: Production, -**

We present studies of the potential energy landscape of selected binary The required inherent structures and transition states for the construction of

## **A conformal solution theory for the energy -**

We apply conformal solution theory and extend to mixtures a have been experimentally observed in condensed matter inherent structure energy,

## **Topology, structures, and energy landscapes of -**

A biased energy landscape that can fit the To characterize the relation of these energy minima or inherent structures to the ensemble , we

## **Condensed Matter authors/titles Oct 2012 - -**

tienne Marcotte, Frank H. Stillinger Disordered Systems and Neural Networks (cond-mat.dis-nn); Soft Condensed Matter Low-energy structures of

### **ber die Rauigkeit freier Fl ssigkeitsoberfl chen -**

Frank H. Stillinger, An inherent structure view of Topical Issue on Wave Scattering from Rough Surfaces and Related Phenomena Condensed Matter, 1993

### **Energy Landscapes, Inherent Structures, and -**

Energy Landscapes, Inherent Structures, and Condensed-Matter Phenomena - Molecular Chemistry - Books on Dentistry - Valuable medical/health info related to diseases,

### **Analysis of classical statistical mechanics by -**

Analysis of classical statistical mechanics by means of incredible advances in condensed matter physics that could Frank, H. Stillinger,

### **Physical Perspectives on the Global Optimization -**

I examine the structural principles that determine the nature of the lowest-energy structure, condensed matter global optimization of atomic clusters

### **Folding energy landscape and network dynamics of -**

The folding energy landscape of proteins has been suggested to be funnel-like with some inherent structure analysis and statistical temperature

### **Mapping the potential energy landscapes of -**

The higher-energy inherent structures consist of chains We have presented a thorough description of the potential energy landscapes of Se<sub>3</sub> Se<sub>8</sub> clusters

### **The potential energy landscape and inherent -**

The potential energy landscape and inherent dynamics of a hard-sphere fluid of the inherent structures of the landscape energy-landscape ensemble,

### **CiteULike: Packing Structures and Transitions in -**

Frank H. Stillinger, Packing Structures and Transitions in Liquids This approach permits identification of an inherent structure in liquids that is normally

### **CiteSeerX Citation Query A 25, 978 -**

the contribution of the inherent structures to the free energy of the liquid in condensed matter Frank H, Frank H. Stillinger

### **Glass Transition Thermodynamics and Kinetics - -**

Glass Transition Thermodynamics and Kinetics The enormous diversity of condensed matter systems that we the lowest included inherent structure energy).

### **Energy Landscape and Global Optimization for a -**

We investigate the energy landscape of this protein This structure implies that the energy landscape for the BLN inherent structure analysis and

### **Hidden structure in protein energy landscapes -**

Abstract Inherent structure theory is used to discover strong connections between simple characteristics of protein structure and the energy landscape of a G model.

### **Energy Landscape Distortions and the Mechanical -**

Molecular simulations and an energy landscape analysis are used to examine the stretching of a model protein. Inherent structures (energy minima)

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a Centre for Condensed Matter scales in critical phenomena is finite simulation studies and analyses based on the inherent structure

### **Exploring the potential energy landscape of -**

from inherent structures via metabasins Fractal free energy landscapes in Frank H. Stillinger The Journal of Physical Chemistry B 2011

### **Condensed Matter authors/titles 2005 (4775 -**

M. Scott Shell, Pablo G. Debenedetti, Frank H. Stillinger. and magnetic structure of Soft Condensed Matter (cond-mat.soft); High Energy Physics

### **Publications | The Glotzer Group -**

(2003) Particle rearrangements due to transitions between inherent structures of a Physics: Condensed Matter 12 Frank H. Stillinger, Thomas B

### **An energy landscape model for glass-forming -**

particles have different energy landscapes. the result of mapping the true dynamics onto a series of inherent structures P.G. Debenedetti, F.H. Stillinger;