

# **Interfacial Mechanics: Theories And Methods For Contact And Lubrication By Jane Wang;Dong Zhu**

**By Jane Wang;Dong Zhu**

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Viscosity Model on Rough-Surface Point-Contact Isothermal EHL. Yuchuan Liu, Q. Jane Wang, Dong Zhu, Wenzhong Lubrication: A Gateway to Interfacial Mechanics

## **Adhesion - Wikipedia, the free encyclopedia -**

Some atmospheric effects on the functionality of adhesive devices can be characterized by following the theory of surface energy and interfacial Contact mechanics;

## **Publications of Q Jane Wang - Northwestern -**

Contact and interfacial mechanics; Q. Jane Wang; Dong Zhu; Q. Jane Wang; Chih Lin . Mixed lubrication of coupled journal-thrust-bearing systems including mass

## **Hertz Theory: Contact of Ellipsoidal Surfaces - -**

Q. Jane Wang 1 and Dong Zhu 2 (1) Hertz Theory: Contact of Ellipsoidal Surfaces, Fig. 2. K.L. Johnson, Contact Mechanics

### **Numerical solution of the point contact problem -**

International Journal for Numerical Methods in solution of the point contact problem using the finite element Mechanics Department

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### **The contact of surfaces having a random structure -**

Deterministic contact mechanics model applied to electrode interfaces Asperity contact theories: Yuan-Zhong Hu and Dong Zhu Journal of Tribology 2000

### **BIOGRAPHICAL INFORMATION - Northwestern University -**

Ford Gift for Research in Tribology and Lubrication (with Q. Wang) Contact Mechanics, Wang, Q.J., Chang, H.S., and Zhu, Dong,

### **ASME/STLE 2004 International Joint Tribology -**

It is shown that residual stresses have significant influence on interfacial contact contact mechanics. contact elastohydrodynamic lubrication

### **Lubrication under charged conditions - -**

Lubrication theories including electrokinetics effect and substrate contact load, and the interfacial lubrication and conducting properties of J.J. Zhu, J.J

### **Elastohydrodynamic Lubrication: A Gateway to -**

Dong Zhu and Q. Jane Wang hydrodynamic lubrication theory, the authors opinions about its further development as a gateway to interfacial mechanics.

### **Determination of the interfacial tension of low -**

The interfacial tension, in order to calculate the interfacial tension using the Taylor theory, Journal of Fluid Mechanics, 37 (1969),

### **Q Jane Wang - Northwestern Scholars - SciVal -**

Q Jane Wang Robert R. McCormick School of Engineering and theories of and methods for contact and interfacial mechanics, Dong Zhu. 40 Zhanjiang

### **EHL History (Elastohydrodynamic Lubrication) - -**

Dong Zhu 1 and Q. Jane Wang 2 EHL History (Elastohydrodynamic Lubrication), which naturally embraces contact and lubrication theories and is a wider advocate

### **Yang Liu | LinkedIn -**

Working in Consortium on Lubrication theory of engagement, the Effects of floating liner engine system dynamics and piston skirt friction were addressed

### **Publications & Presentations | Center for -**

Catalysis at Short Contact Dong, W. Shen, F. Kang. W.H. Zhu, R.U to the session on Methods of Surface and Interfacial Characterization at

### **Jane Wang - B cker - Bokus bokhandel -**

B cker av Jane Wang i Bokus bokhandel: wear and lubrication Interfacial Mechanics - Theories and Methods for Contact and Lubrication.

### **ASME/STLE 2007 International Joint Tribology -**

ASME/STLE 2007 International Joint Tribology Conference, A calculation model of boundary lubrication under point contact Yuchuan Liu, Q. Jane Wang and Dong Zhu.

### **Integrated Surface Engineering for Improving -**

Integrated Surface Engineering for Improving Energy Efficiency contact mechanics; increases friction Prof. Jane Wang of Northwestern University

### **Dongbin Wei | University of Technology, Sydney -**

An increased wear resistance of interfacial zone Zhu, H. & Tieu, K.A. 2008, 'Mechanics of cold Work roll edge contact may affect the mechanics of cold rolling

### **Dong Wang - B cker - Bokus bokhandel -**

B cker av Dong Wang i Bokus bokhandel: Interfacial Mechanics - Theories and Methods for Contact and Lubrication. av Jane Wang, Dong Zhu. INBUNDEN (Hard cover).

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### **Investigating the Effect of Surface Finish on -**

Taylor & Francis Online recently reset Q. Jane Wang a, Dong Zhu b, the contact and lubrication characteristics can be directly correlated with

**Applied Mechanics And Mechanical Engineering - -**

peer reviewed papers from the 2010 International Conference On Applied Mechanics And W. Wang and N. Li Methods for Crack Y.J. Yan, C.G. Dong and J. Wang