List of Publications

2008
SRIVASTAVA V, PARKER DJ & EDWARDS SF
The nervous system might 'orthogonalize' to discriminate

EDWARDS SF
The distribution of forces in a granular system under external stress is a spinglass problem

2007
CRAIG A, TERENTJEV EM & EDWARDS SF
Polymer localization in random potential

BLUMENFELD R & EDWARDS SF
Granular entropy: Explicit calculations for planar assemblies - Reply

EDWARDS SF & BLUMENFELD R
Thermodynamics of granular materials

2006
BLUMENFELD R. & EDWARDS SF
Geometric partition functions of cellular systems: Explicit calculation of the entropy in two and three dimensions

2005
KATZAV E, EDWARDS SF & SCHWARTZ M
Structure below the growing surface
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BLUMENFELD R, EDWARDS SF & BALL RC
Granular matter and the marginal rigidity state

EDWARDS SF
The full canonical ensemble of a granular system

EDWARDS SF
The full canonical ensemble of a granular system
Powders and Grains, 1, 3-5 (2005)
2004
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New kinds of entropy

EDWARDS SF
Renormalization methods: A guide for beginners

KOGA T & EDWARDS SF
Jamming concepts in cold polymeric glasses

SCHWARTZ M & EDWARDS SF
Persisting roughness when deposition stops

SRIVASTAVA V & EDWARDS SF
A mathematical model of capacious and efficient memory that survives trauma

2003
EDWARDS SF, BRUJIC J & GRINEV D
Jamming systems in slow flow need a new statistical mechanics

EDWARDS SF, BRUJIC J, TUZUN U, SHERRINGTON D & McLEISH TCB
Jamming systems in slow flow need a new statistical mechanics - Discussion

BLUMENFELD R & EDWARDS SF
Granular entropy: Explicit calculations for planar assemblies

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Statistical mechanics of granular materials: stress propagation and distribution of contact forces

EDWARDS SF & SCHWARTZ M
Statistical mechanics in collective coordinates

EDWARDS SF, GRINEV DV & BRUJIC J
Fundamental problems in statistical physics of jammed packings

BRUJIC J, EDWARDS SF, HOPKINSON I, MAKSE HA
Measuring the distribution of interdroplet forces in a compressed emulsion system
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3D bulk measurements of the force distribution in a compressed emulsion system

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Granular materials: towards the statistical mechanics of jammed configurations

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Stretched exponential in non-linear stochastic field theories

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Statistical Physics of the Jamming Transition: The Search for Simple Models

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The missing stress-geometry equation in granular media

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The Nature of the long-time decay at a second-order transition point

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