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1 Department of Cell and Molecular Biology, St. Jude Children's Research Hospital, Memphis, TN 38105, USA. 2 Department of Structural Biology, St. Jude Children's Research Hospital, Memphis, TN 38105, ...

Ubiquitination is essential for recovery of cellular activities after heat shock
In developing suitable constitutive equations for plastic materials, two basic approaches have been used. The first is the so-called total-strain or deformation type. Deformation theories of ...

Chapter 8 Elastic-Hardening Plastic-Fracture Models
Geotechnical/Civil Engineering, Experimental and Computational Geomechanics, Emerging Geomechanics for Energy and Environment, Constitutive and Numerical Modeling in Geotechnics, Finite Element ...

Raj Kumar Gondle
The extended finite element method (XFEM) has been developed for modeling arbitrary discontinuities in finite elements. This method enables evolving discontinuites to be treated without remeshing. One ...

Computational Fracture Mechanics
1 Department of Biological Regulation, Weizmann Institute of Science, Rehovot 76100, Israel. 2 Institute of in vivo and in vitro Models, University of Veterinary Medicine Vienna, 1210 Vienna, Austria.

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