

Hardness Tests

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*Change in cell stiffness is a new characteristic of cancer cells that...*30th August, 2008
- Nat Nanotechnol. 2007 Dec;2(12):780-3. Epub 2007 Dec 2. ([DOI Direct Link](#))
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*Change in cell stiffness is a new characteristic of cancer cells that...*30th August, 2008
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*Tapping-mode atomic force microscopy (AFM), in which the vibrating tip...*30th August, 2008
Rowland Institute at Harvard, Cambridge, Massachusetts 02142, USA.- Nat Nanotechnol. 2007 Aug;2(8):507-14. Epub 2007 Jul 29. ([DOI Direct Link](#))
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*Scanning probe microscopies (SPM) and cantilever-based sensors generally...*30th August, 2008
Kavli Nanoscience Institute, California Institute of Technology, MS- Nat Nanotechnol. 2007 Feb;2(2):114-20. Epub 2007 Jan 28. ([DOI Direct Link](#))
- [Nanosensors: small strains, big gains.](#)
*Scanning probe microscopies (SPM) and cantilever-based sensors generally...*30th August, 2008
IBM Almaden Research Division, San Jose, California 95120, USA.- Nat Nanotechnol. 2007 Feb;2(2):81-2. ([DOI Direct Link](#))
- [Quantification of hardness, elasticity and viscosity of the skin of patients with systemic sclerosis using a novel sensing device \(Vesmeter\): a proposal for a new outcome measurement procedure.](#)
*OBJECTIVES: No objective method to measure skin involvement in SSc has...*25th July, 2008
Department of Respiratory Medicine, Allergy and Rheumatic Diseases, Osaka- Rheumatology (Oxford). 2008 Jul;47(7):1018-24. Epub 2008 Apr 25. ([DOI Direct Link](#))
- [Mechanical properties and in-vivo performance of calcium phosphate cement-chitosan fibre composite.](#)
*Self-hardened calcium phosphate cement (CPC) sets to form hydroxyapatite...*24th July, 2008
State Key Laboratory for Manufacturing, Systems Engineering, Xi'an- Proc Inst Mech Eng [H]. 2008 Apr;222(3):347-53.
- [Long-term implant-bone fixation of the femoral component in total knee replacement.](#)
*Success of total knee replacement (TKR) depends on the prosthetic design....*24th July, 2008

Laboratorio di Tecnologia Medica, Istituti Ortopedici Rizzoli, Bologna,- Proc Inst Mech Eng [H]. 2008 Apr;222(3):319-31.

- [A microplate compression method for elastic modulus measurement of soft and viscoelastic collagen microspheres.](#)
*Hydrogel-based microspheres are commonly used for drug and cell delivery...*28th June, 2008
Medical Engineering Program, Department of Mechanical Engineering, The- Ann Biomed Eng. 2008 Jul;36(7):1254-67. Epub 2008 May 3. ([DOI Direct Link](#))
- [Development and characterization of an acellular porcine medial meniscus for use in tissue engineering.](#)
*The objectives of this study were to characterize fresh porcine menisci...*24th June, 2008
Institute of Molecular and Cellular Biology, The University of Leeds,- Tissue Eng Part A. 2008 Apr;14(4):505-18. ([DOI Direct Link](#))
- [Computational analysis of adhesion force in the indentation of cells using atomic force microscopy.](#)
*A mechanical model was developed to study the indentation of an atomic...*11th June, 2008
Department of Materials Science and Engineering, National University of- Phys Rev E Stat Nonlin Soft Matter Phys. 2008 Feb;77(2 Pt 1):021912. Epub
- [\[In vitro studies on various PMMA bone cements: a first comparison of new materials for arthroplasty\]](#)
*AIM: Two clinically established PMMA bone cements (Refobacin Palacos R and...*31st May, 2008
Klinik fur Orthopadische Chirurgie und Unfallchirurgie, Hochtaunus- Z Orthop Unfall. 2008 Jan-Feb;146(1):108-13. ([DOI Direct Link](#))
- [Fundamental mechanisms of fatigue and fracture.](#)
*A brief overview is given in this article on the main design philosophies...*22nd May, 2008
Institut fur Werkstofftechnik, Universitat Siegen, Germany.- Stud Health Technol Inform. 2008;133:56-67.

Hardness Tests Patents:



- 7021557- [Thin film coatings for fuel injector components](#)
- 7169030- [Chemical mechanical polishing pad](#)
- 7179319- [Fine grained sintered cemented carbide, process for manufacturing and use thereof](#)
- 7186092- [Airfoil having improved impact and erosion resistance and method for preparing same](#)
- 7186591- [Method of encapsulating an assembly with a low temperature silicone rubber compound](#)
- 7188691- [Metal seal with impact-absorbing ring](#)
- 7192992- [Environmentally friendly, 100% solids, actinic radiation curable coating compositions for coating thermally sensitive surfaces and/or rusted surfaces and methods, processes and assemblages for coating thereof](#)
- 7201060- [Apparatus and method for determining in situ pore fluid and soil properties using multi-sensor measurement systems](#)
- 7230795- [Recording medium having reduced surface roughness](#)
- 7238731- [Environmentally friendly coating compositions for coating metal objects, coated objects therefrom, and methods, processes and assemblages for coating thereof](#)
- 7253861- [Liquid crystal optical element comprising a resin layer having a surface hardness of b or less](#)
- 7164548- [Magnetic recording medium and method of manufacturing magnetic recording medium](#)
- 7163657- [Cemented carbide body containing zirconium and niobium and method of making the same](#)

- 7153892- [Environmentally friendly, actinic radiation curable coating compositions for coating thermoplastic olefin objects and methods, processes and assemblages for coating thereof](#)
- 7035049- [Glass substrate for a magnetic disk, a magnetic disk which can be formed with a stable texture and a magnetic disk device](#)
- 7043326- [Method of monitoring extent of cure](#)
- 7077993- [Apparatus for softening a selected portion of a steel object by heating](#)
- 7093526- [Forming die apparatus](#)
- 7108880- [Confectionery composition and methods of using the same for decorating](#)
- 7115241- [Ultrahard diamonds and method of making thereof](#)
- 7121136- [Hardness testing apparatus](#)
- 7138180- [Hard carbon films formed from plasma treated polymer surfaces](#)
- 7141625- [Water base resin composition](#)
- 7153595- [Transparent substrate having a stack of thin metallic reflection layers](#)
- 7259936- [Glass substrate for a magnetic disk, a magnetic disk which can be formed with a stable texture and a magnetic disk device](#)
- 7263898- [Fixture for holding a gear](#)
- 7341742- [Simethicone containing tablet composition and method](#)
- 7343815- [Quality control device for solid, pharmaceutical products](#)
- 7345014- [Red colored cleansing article with distributed polymeric network](#)
- 7348299- [Cleansing bar with distributed polymeric network providing enhanced delivery](#)
- 7364103- [Method and device for the alignment and location of a sample such as tablets, pills or tablets](#)
- 7374624- [Vertical plate dip quench](#)
- 7380443- [Hardness testing apparatus](#)
- 7382430- [Liquid crystal optical element and test method for its boundary layer](#)
- 7393370- [Apparatus and method for manufacturing abrasive tools](#)
- 7393589- [Dual layer diffusion bonded chemical vapor coating for medical implants](#)
- 7335626- [Darkly colored cleansing article with distributed polymeric network](#)
- 7329699- [Composition containing oil, structuring polymer, and coated silicone elastomer, and methods of making and using the same](#)
- 7323248- [Environmentally friendly coating compositions for coating composites, coated composites therefrom, and methods, processes and assemblages for coating thereof](#)
- 7264538- [Method of removing a coating](#)
- 7267794- [Ductile medium-and high-density, non-toxic shot and other articles and method for producing the same](#)
- 7276547- [Compositions comprising heteropolymers and at least one oil-soluble polymers chosen from alkyl celluloses and alkylated guar gums](#)
- 7294365- [Method for photocatalytically rendering a surface of a substrate superhydrophilic, a substrate with superhydrophilic photocatalytic surface, and method of making thereof](#)
- 7302210- [Electrophotographic photoreceptor and image forming apparatus having the same](#)
- 7309466- [Cemented carbide body containing zirconium and niobium and method of making the same](#)
- 7309477- [Ultrahard diamonds and method of making thereof](#)
- 7314612- [Cosmetic compositions containing at least one heteropolymer and at least one gelling agent and methods of using the same](#)
- 7316143- [Seamless steel tubes and method for producing the same](#)
- 7323071- [Method for forming a hardened surface on a substrate](#)
- 7417826- [Magnetic recording medium](#)

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