

Ultra-strong Glass: Fracture, Toughness, And Elasticity Of Inorganic Glasses By Lothar Wondraczek

By Lothar Wondraczek

Assessments of Fracture Toughness of Monolithic -

Assessments of Fracture Toughness Ultra -Fast Fracture Strength of Advanced Structural Glass-Ceramic, NASA/TM 2003-212487,

<http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/20060007571.pdf>

Strength and Fracture Toughness of Ultrafine -

Strength and Fracture Toughness of Fracture Toughness

<http://www.worldcat.org/title/strength-and-fracture-toughness-of-ultrafine-grained-alumina-ceramic/oclc/713285947>

Fracture Toughness of Silicate Glasses: Insights -

Fracture Toughness of Silicate Glasses: Insights from Molecular Dynamics Simulations as the number of injuries related to glass

<http://lib-arxiv-008.serverfarm.cornell.edu/pdf/1506.06441.pdf>

Anomalous scaling law of strength and toughness of -

The atomic scale origins of high strength of a material, e.g., strong directional bonding and of bulk metallic glass fracture toughness of the

<http://www.pnas.org/content/112/29/8971.full?cited-by=yes&legid=pnas;112/29/8971>

Alexander von Humboldt-Foundation - Researching -

L. Wondraczek, 2008, p. 1816 - 1819 [metallic glasses, glass formation, 207 [Bulk metallic glasses; Fracture toughness; Sample size; Strain softening;

http://www.humboldt-foundation.de/web/pub_hn_query.bibliographia_index_pub?p_lang=en&p_year=&p_group=&p_fg2=3C

Characterizing compressive and fracture strengths -

Characterizing compressive and fracture strengths bar because of the strong interface effect on mode II fracture toughness of S2/8552 glass/epoxy

<http://docs.lib.purdue.edu/dissertations/AAI3251585/>

results8 - by alicel311 -

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Journal of Non-Crystalline Solids | Vol 358, Isss -

Journal of Non-Crystalline Solids dependent mixed alkali effect. Fracture toughness also shows a Lothar Wondraczek, Takayuki Komatsu;

<http://www.sciencedirect.com/science/journal/00223093/358/12-13>

repository.kulib.kyoto-u.ac.jp -

Kyoto University %T Application of Fracture Mechanics to metal ions inside glasses by a Japan %T Ultra high pressure effect of <http://repository.kulib.kyoto-u.ac.jp/dspace/search-export?query=apparent&target=/&count=1833&format=endnote>

Ultra- strong Glass: Fracture, Toughness, and -

Ultra-strong Glass: Fracture, Toughness, and Elasticity of Inorganic Glasse av Lothar Wondraczek, ACerS, utgiven av: John Wiley & Sons. Kommentarerer

<http://www.smakprov.se/bok/ultra-strong-glass-fracture-toughness-and-elasticity-of-inorganic-glasse/lothar-wondraczek/isbn/9781118120200>

CiteSeerX A damage-tolerant glass -

which promotes a fracture toughness comparable to those of the A damage-tolerant glass (2011 glassy materials are inherently strong but

<http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.300.8242>

Vitreous state in nature Origin and properties -

One particular phenomenon is the glass-formation of Archean ultra-mafic typical strong or long glasses . of fracture-toughness of

<http://www.sciencedirect.com/science/article/pii/S0009281911000729>

Difference between strength, hardness, toughness -

Apr 01, 2012 Glass, for instance, has a very low toughness whereas before fracture. Therefore, when we say toughness we What is the difference between

https://uk.answers.yahoo.com/question/index;_ylt=A0LEVzHgx7tVknYA.6xXNyOA;_ylu=X3oDMTBzYWs1YWExBGNvbG8DYmYxBHBvcwMzMOR2dGlkAwRzZWMDc3I-?qid=20120402003014AADQyvX&p=ultra%20strong%20glass%20fracture%20toughness%20and

Ultra-high Temperature Amorphous Metals: -

followed by extension to a higher T_g glass. Fracture toughness was measured on both Ultra-high Temperature Amorphous Metals: INTRINSIC and EXTRINSIC

<http://oai.dtic.mil/oai/oai?verb=getRecord&metadataPrefix=html&identifier=ADA565303>

toughness Archives - Industrial Metallurgists -

This happened because the blacksmith wasn't concerned with the sword's fracture toughness, glass has very low toughness Industrial Metallurgists

<http://www.imetllc.com/tag/toughness/>

Elastic moduli and fracture toughness of glass -

Fracture toughness is pointed out as the most critical matter in the field of the mechanical properties of glass, and the factors influencing the fracture tough

<http://www.sciencedirect.com/science/article/pii/S0022309385903564>

Strong, Tough Glass Composites Developed for -

Strong, Tough Glass Composites Developed for Solid Oxide Fuel Cell Seals improving the strength and fracture toughness of this glass. To achieve this goal, we

<http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/20050217194.pdf>

Fracture toughness study on bulk metallic glasses -

The fracture toughness of three new This observation provides a strong evidence of significant bulk metallic glass; fracture; fracture toughness

<http://thesis.library.caltech.edu/41/>

Strong, lightweight, and ductile (yes, ductile) -

but our research has shown that as you decrease the size of silica nanofibers their strength Strong , lightweight, and GPa fracture strength of silica

<http://ceramics.org/ceramic-tech-today/strong-lightweight-and-ductile-yes-ductile-silica-glass-nanofibers>

Classification of ceramics and glass (edge -

To measure fracture toughness, This is why glass can be used to make ultra strong A new classification of ceramics according to their resistance to

<http://www.sciencedirect.com/science/article/pii/S0272884213014235>

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