

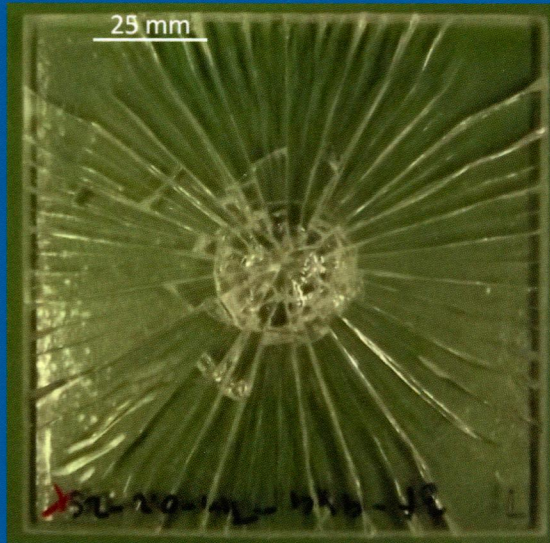
TM
169/gg

INTERNATIONAL
JOURNAL OF

Applied Glass SCIENCE

VOL 5
NO 4
DECEMBER
2014

ISSUE THEME
Glass Armor and
General Glass
Science



The American
Ceramic
Society
www.ceramics.org

WILEY

INTERNATIONAL JOURNAL OF
Applied Glass
SCIENCE



ISSUE THEME: Glass Armor and General Glass Science

Editor's Note	329
<i>L. D. Pye and M. Affatigato</i>	
Glass Armor – An Overview	331
<i>T. G. Talladay and D. W. Templeton</i>	
Borofloat and Starphire Float Glasses: A Comparison.	334
<i>A. A. Wereszczak and C. E. Anderson Jr.</i>	
The Internal Tensile Strength of a Borosilicate Glass Determined from Laser Shock Experiments and Computational Analysis.	345
<i>T. J. Holmquist and A. A. Wereszczak</i>	
Crack Propagation Through Interfaces in a Borosilicate Glass and a Glass Ceramic	353
<i>N. D. Parab and W. W. Chen</i>	
Observation of Crack Propagation in Glass Using X-ray Phase Contrast Imaging	363
<i>N. D. Parab, J. T. Black, B. Claus, M. Hudspeth, J. Sun, K. Fezzaa, and W. W. Chen</i>	
Crack and Damage Velocities in Ballistic Experiments	374
<i>C. E. Anderson Jr., R. P. Bigger, and C. E. Weiss</i>	
Equibiaxial Flexure Strength of Glass: Influence of Glass Plate Size and Equibiaxial Ring Ratio	384
<i>J. J. Swab, P. J. Patel, X. Tran, L. Gilde, E. Luoto, M. H. Gaviola, A. Gott, B. Paulson, and S. Kilczewski</i>	
Blue Upconversion Emission in Germanate Glass Co-Doped with Yb ³⁺ /Tm ³⁺ Ions	393
<i>D. Dorosz, M. Kochanowicz, and J. Zmojda</i>	
Study on Gelcasting of Fused Silica Glass Using Glutinous Rice Flour as Binder.	401
<i>W. Wan, J. Yang, T. Qiu, and C.-e. Huang</i>	
Effect of Thermal Treatment on Chemical Interaction Between Yttrium Borosilicate Glass Sealants and YSZ for Planar Solid Oxide Fuel Cells	410
<i>V. Kumar, G. Kaur, K. Lu, O. P. Pandey, and K. Singh</i>	
Modeling Interfacial Glass–Water Reactions: Recent Advances and Current Limitations	421
<i>E. M. Pierce, P. Frugier, L. J. Criscenti, K. D. Kwon, and S. N. Kerisit</i>	
Effects of MgO on Crystallization and Microwave Dielectric Properties of MgO–Al ₂ O ₃ –SiO ₂ –TiO ₂ –La ₂ O ₃ Glass-Ceramics	436
<i>H.-J. Wang, B.-T. Li, H.-X. Lin, W. Chen, and L. Luo</i>	
Investigation of In-Flight Glass Melting by Controlling the High-Temperature Region of Multiphase AC Arc Plasma	443
<i>Y. Liu, M. Tanaka, S. Choi, and T. Watanabe</i>	