

Nano-scale mechanical behavior of pre-crystallized
CAD/CAM zirconia-reinforced lithium silicate
glass ceramic

Gabriella A.C. Springall, Ling Yin



PII: S1751-6161(18)30275-3
DOI: <https://doi.org/10.1016/j.jmbbm.2018.03.010>
Reference: JMBBM2719

To appear in: *Journal of the Mechanical Behavior of Biomedical Materials*

Received date: 24 December 2017
Revised date: 2 March 2018
Accepted date: 5 March 2018

Cite this article as: Gabriella A.C. Springall and Ling Yin, Nano-scale mechanical behavior of pre-crystallized CAD/CAM zirconia-reinforced lithium silicate glass ceramic, *Journal of the Mechanical Behavior of Biomedical Materials*, <https://doi.org/10.1016/j.jmbbm.2018.03.010>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Nano-scale mechanical behavior of pre-crystallized CAD/CAM zirconia-reinforced lithium silicate glass ceramic

Gabriella A.C. Springall¹, Ling Yin^{1,2*}

¹Mechanical Engineering, College of Science & Engineering, James Cook University, Townsville, QLD 4811, Australia

²School of Mechanical Engineering, The University of Adelaide, Adelaide, SA 5005, Australia

*Corresponding Authors: Dr. Ling Yin

Associate Professor (Reader)

School of Mechanical Engineering

The University of Adelaide

Adelaide, SA 5005, Australia

Tel +61 8 8313 3197

ling.yin@adelaide.edu.au or ling.yin@jcu.edu.au

Keywords: *In-situ* scanning probe microscopy; Load effect; Mechanical properties; Nanoindentation; Zirconia-reinforced lithium silicate glass ceramic.

For Submission to *Journal of the Mechanical Behavior of Biomedical Materials*

Revised March 2, 2018

Download English Version:

<https://daneshyari.com/en/article/7207034>

Download Persian Version:

<https://daneshyari.com/article/7207034>

[Daneshyari.com](https://daneshyari.com)