Accepted Manuscript

Full length article

The Limiting Layer of Fish Scales: Structure and Properties

D. Arola, S. Murcia, M. Stossel, R. Pahuja, T. Linley, Arun Devaraj, M. Ramulu, E.A. Ossa, J. Wang

PII: S1742-7061(17)30767-5

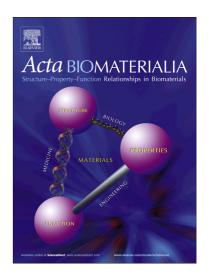
DOI: https://doi.org/10.1016/j.actbio.2017.12.011

Reference: ACTBIO 5223

To appear in: Acta Biomaterialia

Received Date: 27 July 2017

Revised Date: 20 November 2017 Accepted Date: 7 December 2017



Please cite this article as: Arola, D., Murcia, S., Stossel, M., Pahuja, R., Linley, T., Devaraj, A., Ramulu, M., Ossa, E.A., Wang, J., The Limiting Layer of Fish Scales: Structure and Properties, *Acta Biomaterialia* (2017), doi: https://doi.org/10.1016/j.actbio.2017.12.011

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 proof before it is published in its final 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.

ACCEPTED MANUSCRIPT

THE LIMITING LAYER OF FISH SCALES: STRUCTURE AND PROPERTIES

D. Arola^{1,2,3,4}, S. Murcia², M. Stossel³, R. Pahuja³, T. Linley⁴, Arun Devaraj⁵, M. Ramulu³, E.A. Ossa⁶, J. Wang³

¹Department of Mechanics, Shanghai University, Shanghai, China ²Department of Materials Science and Engineering, University of Washington, Seattle, WA, USA

³Department of Mechanical Engineering, University of Washington, Seattle, WA, USA
⁴Energy and Environment Directorate, Pacific Northwest National Laboratory, Richland, WA
⁵Physical and Computational Sciences Directorate, Pacific Northwest National Laboratory, Richland, WA

⁶Production Engineering Department, School of Engineering, Universidad Eafit, Medellín, Colombia

*Corresponding Author
Dwayne D. Arola, PhD
Associate Professor
Department of Materials Science and Engineering
Roberts Hall, Box 352120
University of Washington
Seattle, Washington 98195, USA
darola@uw.edu
(206) 685-8158 (v)
(206) 543-3100 (f)

Download English Version:

https://daneshyari.com/en/article/6483098

Download Persian Version:

https://daneshyari.com/article/6483098

<u>Daneshyari.com</u>