

Adhesion And Friction In Biological Systems (Biologically-Inspired Systems)

Biologically inspired crack trapping for enhanced -

Biologically inspired crack trapping for variable that has been adjusted in biological systems by inspired by biological setal adhesion,

<http://www.pnas.org/content/104/26/10786.full>

Biologically Inspired Crack Trapping for Enhanced -

Biologically inspired crack trapping for enough features of the biological systems. Although inspired by biological setal adhesion,

<http://www.jstor.org/stable/pdfplus/25436016.pdf>

From sticky to slippery: Biological and -

Biological and biologically-inspired adhesion and friction design of biologically-inspired to adhesion and friction in biological systems.

<http://www.beilstein-journals.org/bjnano/content/pdf/2190-4286-5-157.pdf>

Adhesion and friction in gecko toe attachment and -

, the high adhesion/friction is rapidly reduced to a very low value by rolling the toes upward and backward, Biological Sciences Biophysics; Access.

<http://www.pnas.org/content/103/51/19320.full?cited-by=yes&legid=pnas;103/51/19320>

Micro- / nanomechanics of biological materials and -

function of biological systems regarding adhesion, transferred to biologically inspired systems. of biological systems regarding adhesion, friction and

<http://www.mpg.de/854247/forschungsSchwerpunkt>

Bio- inspired robotics - Wikipedia, the free -

The biological systems have been optimized for specific tasks according to their claws rely upon friction-based mechanisms; Biologically inspired engineering;

http://en.wikipedia.org/wiki/Bio-inspired_robotics

9783540411888: Biological Micro- and -

(9783540411888) by adhesion and wear in such biological systems and to about friction, adhesion and wear of biological systems and to

<http://www.abebooks.com/9783540411888/Biological-Micro--Nanotribology-Natures-Solutions-3540411887/plp>

Adhesion and friction in biological systems -

This book explores biological systems with surface specializations which increase or decrease friction and adhesion. Studies examine snake skin and adhesive pads in

<http://www.worldcat.org/title/adhesion-and-friction-in-biological-systems/oclc/723107870>

Biologically Inspired Mushroom-Shaped - -

Jagota A, Hui CY. 2011. Adhesion, friction, On the mechanism of adhesion in biological systems. J Sitti M. 2009. Adhesion of biologically inspired polymer
<http://www.annualreviews.org/doi/pdf/10.1146/annurev-matsci-062910-100458>

Diatom Bionanotribology Biological Surfaces in -

Friction, Adhesion, Lubrication and Wear. Uploaded by Examples for biological friction systems at different length scales include Biology; Health Sciences;
http://www.academia.edu/6941001/Diatom_Bionanotribology_Biological_Surfaces_in_Relative_Motion_Their_Design_Friction_Adhesion_Lubrication_and_Wear

Biological Adhesive Systems - From Nature to -

The nature uses adhesion in a overview of biological adhesive systems and circulation system in *Sepia officinalis*. Inspired by Uwe
<http://www.springer.com/us/book/9783709101414>

Diatom Bionanotribology Biological Surfaces in -

Diatom Bionanotribology Biological Surfaces in Relative Motion: Friction, Adhesion, Examples for biological friction systems at different length scales
http://www.academia.edu/932854/Diatom_Bionanotribology_Biological_Surfaces_in_Relative_Motion_Their_Design_Friction_Adhesion_Lubrication_and_Wear

Adhesion - Wikipedia, the free encyclopedia -

Note 2: In biology, adhesion reflects the behavior of cells shortly after contact to the surface. Note 3: the lateral adhesion is described as friction.
<http://en.wikipedia.org/wiki/Adhesion>

Enhanced Friction and Adhesion with Biologically -

Enhanced Friction and Adhesion with Biologically Inspired Fiber releasable adhesion in biology: plates with application to biological systems
<http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.374.7753>

Gordon Research Conferences - 2013 Meeting - -

Adhesion, Science of (GRS) Gordon The Gordon Research Seminar on Adhesion, and the use of quantitative approaches to understand adhesion in biological systems.
http://www.grc.org/programs.aspx?year=2013&program=grs_adhe

Adhesion and Friction in Biological Systems -

Buy the book Adhesion and Friction in Biological Systems as for biologists studying friction and adhesion. Inspirations from biology reported here may be
<http://www.thenile.com.au/books/Adhesion-and-Friction-in-Biological->

[Systems/9789400714441/](http://www.sciencedirect.com/science/article/pii/S0022519311000750)

Shear induced adhesion: Contact mechanics of -

Most biological hairy adhesive systems of and friction/adhesion increase Biologically inspired polymer microfibers with spatulate tips as repeatable

<http://www.sciencedirect.com/science/article/pii/S0022519311000750>

Adhesion and Friction in Biological Systems book -

Adhesion and Friction in Biological Systems by Stanislav N Gorb (Editor) starting at \$149.75. Adhesion and Friction in Biological Systems has 1 available editions to

<http://www.alibris.com/Adhesion-and-Friction-in-Biological-Systems-Stanislav-N-Gorb/book/17054163>

Biological attachment devices: exploring nature's -

proposes ordering of biological attachment systems locomotion requiring strong adhesion and friction Biological attachment devices: exploring nature

<http://rsta.royalsocietypublishing.org/content/366/1870/1557>

Carbohydrates and their Roles in Biological -

How to Cite. Babooram, K. and Narain, R. (2013) Carbohydrates and their Roles in Biological Recognition Processes, in Polymer Adhesion, Friction, and Lubrication (ed

<http://onlinelibrary.wiley.com/doi/10.1002/9781118505175.ch13/summary>

Functional Surfaces in Biology - Bokus.com -

"Functional Surfaces in Biology: Adhesion Adhesion and Friction in Biological Systems as well as the development of biologically inspired

<http://www.bokus.com/bok/9781402099946/functional-surfaces-in-biology/>

IMECE 2015 Symposium on Mechanics of Adhesion and -

IMECE 2015 Symposium on Mechanics of Adhesion and Friction

<http://imechanica.org/node/17997>

R. Beck S. Guterres A. Pohlmann T. B llinghaus J -

specialization to increase/decrease friction and adhesion. biological systems as well as for biologists studying friction and adhesion. Inspirations from biology

http://static.springer.com/sgw/documents/1105659/application/pdf/news1104_materials.pdf

"Scaling Reversible Adhesion in Synthetic and -

Recommended Citation. Bartlett, Michael David, "Scaling Reversible Adhesion in Synthetic and Biological Systems" (2013). Dissertations. Paper 834.

http://scholarworks.umass.edu/open_access_dissertations/834/

Comparison of smooth and hairy attachment pads in -

Experimental setup for recording friction, adhesion and contact Adhesion of biologically inspired vertical and adhesion in biological systems

<http://jeb.biologists.org/content/211/20/3333.full>

Biological and biologically inspired adhesives -

Biological and biologically inspired adhesives Biological and bioinspired adhesion and friction . In biological systems,

<http://www.beilstein.tv/tvpost/biological-and-biologically-inspired-adhesives/>

Call for abstracts, ASME IMECE 2013, Symposium on -

Call for abstracts, ASME IMECE 2013, Symposium on Mechanics of Adhesion and Friction. Fri, 2013-01-25 15:05 - Jianliang Xiao Jianliang Xiao's

<http://imechanica.org/node/14085>

Adhesion and Friction in Biological Systems (-

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[Hardcover] [2011] (Author) Stanislav Gorb on Amazon.com. *FREE* shipping on qualifying

<http://www.amazon.com/Adhesion-Biological-Biologically-Inspired-Hardcover-Stanislav/dp/B00E7L7FGA>

From sticky to slippery: Biological and -

This article is part of the Thematic Series "Biological and bioinspired adhesion and friction".

<http://www.beilstein-journals.org/bjnano/content/5/1/157>

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