

Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate (Springer Theses)



The thesis systematically investigates the factors which influence many animals robust adhesion abilities and micro-reversible adhesion mechanisms, including the geometric principles of their adhesion, relative humidity, surface roughness and pre-tension. Studies exploring biological adhesion mechanisms are not only of great significance for the design of advanced adhesive materials and adhesion systems for micro-climbing robots, but also very helpful for resolving the problem of adhesion failure in MEMS/NEMS.

[\[PDF\] History of England and France Under the House of Lancaster - Scholars Choice Edition](#)

[\[PDF\] Media Convergence: Effects on the Egyptian Mobile Phone Users: Survey for Users, Content Analysis on AlWaseet advertisements and In-depth Interviews with Customer Care Experts](#)

[\[PDF\] The History of France, Tr. by R. Black. \(Vol. 6-8 Ed. by Madame De Witt\)](#)

[\[PDF\] Six White Horses: Oklahoma \(Janet Dailey Americana\)](#)

[\[PDF\] History of the reign of Philip the Second, king of Spain](#)

[\[PDF\] Losegeld: Erotik-Krimi \(German Edition\)](#)

[\[PDF\] Selections from the Speeches, Sermons, Addresses, Etc., of Samuel Clement Fessenden](#)

Springer Theses Tanum nettbokhandel Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate:

Zhilong Peng: Hardcover: 97 pages Publisher: Springer 2015 edition (April 7 2015) Language: The thesis

systematically investigates the factors which influence many Apr 8, 2015 Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate establishing accordingly numerical and theoretical models in the thesis. with finite length adhering on a rigid substrate is established numerically and **Peeling Behavior of a Bio-inspired Nanofilm with -**

Springer Link Shop for Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate (Hardcover). The thesis

systematically investigates the factors which influence many animals robust adhesion abilities and Series Name,

Springer Theses. **Conclusion and Future Work - Springer** 2016 Springer Theses Short-Channel Organic Thin-Film Transistors Bio-Inspired Studies on Adhesion of a Thin Film on a Rigid Substrate av Zhilong **Bio-inspired Studies on**

Adhesion of a Thin Film on a Rigid Substrate Chapter. Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. Part of the series Springer Theses pp 27-43. Date: 08 April 2015 **Bio-inspired Studies on Adhesion of a**

Thin Film on a - Palgrave Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate Springer Theses: :

Zhilong Peng: Libros en idiomas extranjeros. **Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate**

Springer Theses Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate Effect of Geometry on the Adhesive Behavior of Bio-inspired Fibrils. **Effect of Geometry on the Adhesive Behavior of Bio - Springer Link**

The thesis systematically investigates the factors which influence many animals robust adhesion abilities and micro-reversible Springer Theses. Free Preview. 2015. Bio-inspired Studies on Adhesion of a Thin Film on a Rigid

Substrate. **Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate** Chapter. Bio-inspired Studies on

Adhesion of a Thin Film on a Rigid Substrate. Part of the series Springer Theses pp 83-94. Date: 08 April 2015 **Effects**

of Surface Roughness and Film Thickness on - Springer Link Bio-inspired studies on adhesion of a thin film on a rigid substrate date: 2015 Series: Springer theses, 2190-5061 ISBN: 9783662469552 (electronic bk.) **Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate** Chapter. Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. Part of the series Springer Theses pp 55-70. Date: 08 April 2015 **Extension of the Two-Dimensional JKR Theory to the - Springer Link** Chapter. Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. Part of the series Springer Theses pp 19-26. Date: 08 April 2015 **Effect of Geometry on the Adhesive Behavior of Bio - Springer Link** of. a. Bio-inspired. Nanofilm. with. Finite. Length. on. a. Rigid. Substrate. 3.1 Among these studies, it has been found that the adhesion strength of the contact Studies on Adhesion of a Thin Film on a Rigid Substrate, Springer Theses, DOI **Effects of Surface Roughness and Film Thickness on - Springer Link** Chapter. Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. Part of the series Springer Theses pp 83-94. Date: 08 April 2015 **Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate** Apr 19, 2016 Bio-Inspired Membranes Active control systems of adhesion inspired by these biological proposed [916], e.g., peeling of a thin film from a rigid substrate [10,14]. Thus, the aim of the present study is to develop a theoretical model .. Physical Principles and Applications Springer: Berlin, Germany, **Effects of the Relative Humidity and Water Droplet on Adhesion of a** Libro Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate del Autor Zhilong Peng por la Editorial: Springer The thesis systematically investigates the factors which influence many animals robust adhesion abilities and **Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate** **Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate - Google Books Result** The thesis systematically investigates the factors which influence many animals robust adhesion abilities Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate Springer, Apr 7, 2015 - Technology & Engineering - 97 pages. **Springer Theses** Chapter. Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. Part of the series Springer Theses pp 27-43. Date: 08 April 2015 **Effect of Geometry on the Adhesive Behavior of Bio - Springer Link** Chapter. Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. Part of the series Springer Theses pp 71-81. Date: 08 April 2015 **Studies of Nanoconstrictions, Nanowires and Fe₃O₄ Thin Films** The thesis systematically investigates the factors which influence many animals robust adhesion abilities and micro-reversible Springer Theses. Free Preview. 2015. Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. **Bio-inspired studies on adhesion of a thin film on a rigid substrate in** Apr 8, 2015 Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. Part of the series Springer Theses pp 55-70 roughness is studied in this chapter considering the effects of substrate roughness and film thickness. **A Theoretical Characterization of Curvature Controlled Adhesive** Reihe (Teil): Springer Theses Chromium Doped TiO₂ Sputtered Thin Films. Hajjaji Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. **Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate** The thesis systematically investigates the factors which influence many animals robust adhesion abilities and micro-reversible Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. Authors: Read this book on SpringerLink. **Peeling Behavior of a Bio-inspired Nanofilm with - Springer Link** Chapter. Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate. Part of the series Springer Theses pp 45-54. Date: 08 April 2015 **Effect of Pretension on the Peeling Behavior of a Bio-inspired** Z.L. Peng, S.H. Chen, A.K. Soh, Peeling behavior of a bio-inspired nano-film on a .. on a Rigid Substrate, Springer Theses, DOI 10.1007/978-3-662-46955-2_1. **Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate** The thesis systematically investigates the factors which influence many animals robust adhesion abilities and micro-reversible Springer Theses. Free Preview. 2015. Bio-inspired Studies on Adhesion of a Thin Film on a Rigid Substrate.