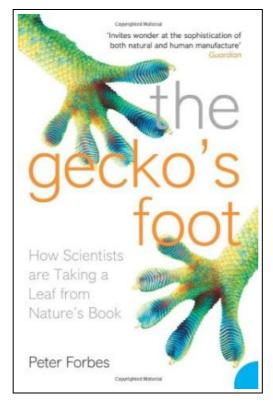
The Gecko's Foot: How Scientists are Taking a Leaf from Nature's Book (Paperback)



Filesize: 3.8 MB

Reviews

Extensive information for ebook lovers. It typically is not going to expense too much. I discovered this book from my i and dad recommended this pdf to learn.

(Prof. Gerardo Grimes III)

THE GECKO S FOOT: HOW SCIENTISTS ARE TAKING A LEAF FROM NATURE S BOOK (PAPERBACK)



HarperCollins Publishers, United Kingdom, 2006. Paperback. Condition: New. Revised ed.. Language: English. Brand New Book. A cutting-edge science book in the style of `Fermat's Last Theorem and `Chaos from an exciting and accessible new voice in popular science writing. Bioinspiration is a form of engineering but not in the conventional sense. Extending beyond our established and preconceived notions, scientists, architects and engineers are looking at imitating nature by manufacturing wet materials such as spider silk or the surface of the gecko's foot. The amazing power of the gecko's foot has long been known - it can climb a vertical glass wall and even walk upside down on the ceiling - but no ideas could be harnessed from it because its mechanism could not be seen with the power of optical microscopes. Recently however the secret was solved by a team of scientists in Oregon who established that the mechanism really is dry, and that it does not involve suction, capillary action or anything else the lay person might imagine. Each foot has half a million bristles and each bristle ramifies into hundreds of finer spatula-shaped projections. The fine scale of the gecko's foot is beyond the capacity of conventional microengineering, but a team of nanotechnologists have already made a good initial approximation. The gecko's foot is just one of many examples of this new smart science. We also discover, amongst other things, how George de Mestral's brush with the spiny fruits of the cocklebur inspired him to invent Velcro; how the shape of leaves opening from a bud has inspired the design of solar-powered satellites; and the parallels between cantilever bridges and the spines of large mammals such as the bison. The new smart science of Bio-inspiration is going to produce a plethora...



Read The Gecko's Foot: How Scientists are Taking a Leaf from Nature's Book (Paperback) Online Download PDF The Gecko's Foot: How Scientists are Taking a Leaf from Nature's Book (Paperback)

See Also



Cat Humor Book Unicorns Are Jerks A Funny Poem Book For Kids Just Really Big Jerks Series

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 92 pages. Dimensions: 9.0in. x 6.0in. x 0.2in.LIMITED-TIME SPECIAL: Special Bonus Inside! Thats right... For a limited time...

Read eBook »



Weebies Family Halloween Night English Language: English Language British Full Colour

 $Create space, United States, 2014. \ Paperback. \ Book Condition: New. \ 229 x 152 mm. \ Language: English. \ Brand New Book ****** Print on Demand ******. Children's Weebies Family Halloween Night Book 20 starts to teach Pre-School and...$

Read eBook »



Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products

Fair Winds Press, 2006. Paperback. Book Condition: New. Brand new books and maps available immediately from a reputable and well rated UK bookseller - not sent from the USA; despatched promptly and reliably worldwide by...

Read eBook »



YJ] New primary school language learning counseling language book of knowledge [Genuine Specials(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2011-03-01 Pages: 752 Publisher: Jilin University Shop Books All the new...

Read eBook »



Comic eBook: Hilarious Book for Kids Age 5-8: Dog Farts Dog Fart Super-Hero Style (Fart Book: Fart Freestyle Sounds on the Highest New Yorker Skyscraper Tops Beyond)

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. BONUS - Includes FREE Dog Farts Audio Book for Kids Inside! For a...

Read eBook »



A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half

 $Createspace, United States, 2014. \ Paperback. \ Book Condition: New. \ 251 \times 178 \ mm. \ Language: English. \ Brand \ New Book ***** Print on Demand *****. The ultimate learn-by-doing approach Written for beginners, useful for experienced developers who want to the state of the state of$

Read Document »



New Chronicles of Rebecca (Dodo Press)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 224 x 147 mm. Language: English . Brand New Book ***** Print on Demand *****. Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author

Read Document »



Where Is My Mommy?: Children s Book

Createspace, United States, 2013. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. This children's book is wonderfully illustrated. It has an awesome plot to

Read Document »



Creative Kids Preschool Arts and Crafts by Grace Jasmine 1997 Paperback New Edition Teachers Edition of Textbook

Book Condition: Brand New. Book Condition: Brand New.

Read Document »



New KS2 English SAT Buster 10-Minute Tests: Grammar, Punctuation & Spelling (2016 SATs & Beyond)

 $Coordination\ Group\ Publications\ Ltd\ (CGP).\ Paperback.\ Book\ Condition:\ new.\ BRAND\ NEW,\ New\ KS2\ English\ SAT\ Buster\ 10-Minute\ Tests:\ Grammar,\ Punctuation\ \&\ Spelling\ (2016\ SATs\ \&\ Beyond),\ CGP\ Books,\ CGP\ Books,\ This\ book\ of\ SAT\ Buster\ Buster\ Grammar,\ Punctuation\ \&\ Spelling\ (2016\ SATs\ \&\ Beyond),\ CGP\ Books,\ This\ book\ of\ SAT\ Buster\ Bus$

Read Document