



DOWNLOAD



Arthropod Brains: Evolution, Functional Elegance, and Historical Significance (Hardback)

By Nicholas James Strausfeld

HARVARD UNIVERSITY PRESS, United States, 2012. Hardback. Book Condition: New. New.. 234 x 234 mm. Language: English Brand New Book. In *The Descent of Man*, Charles Darwin proposed that an ant's brain, no larger than a pin's head, must be sophisticated to accomplish all that it does. Yet today many people still find it surprising that insects and other arthropods show behaviors that are much more complex than innate reflexes. They are products of versatile brains which, in a sense, think. Fascinating in their own right, arthropods provide fundamental insights into how brains process and organize sensory information to produce learning, strategizing, cooperation, and sociality. Nicholas Strausfeld elucidates the evolution of this knowledge, beginning with nineteenth-century debates about how similar arthropod brains were to vertebrate brains. This exchange, he shows, had a profound and far-reaching impact on attitudes toward evolution and animal origins. Many renowned scientists, including Sigmund Freud, cut their professional teeth studying arthropod nervous systems. The greatest neuroanatomist of them all, Santiago Ramon y Cajal--founder of the neuron doctrine--was awed by similarities between insect and mammalian brains. Writing in a style that will appeal to a broad readership, Strausfeld weaves anatomical observations with evidence from molecular...



READ ONLINE
[2.27 MB]

Reviews

This is the greatest pdf i actually have go through right up until now. It is actually packed with knowledge and wisdom I found out this book from my dad and i advised this publication to find out.

-- **Arely Rath**

I actually started reading this pdf. It can be rally exciting throgh reading period of time. Your lifestyle span is going to be enhance as soon as you total reading this ebook.

-- **Nya Bechtelar**

Other eBooks



[Talking Digital: A Parent s Guide for Teaching Kids to Share Smart and Stay Safe Online](#)

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book. It is time for the digital talk. Today, kids are growing up in a wired world. Their online interactions, the good and the bad,...



[A Year Book for Primary Grades; Based on Froebel s Mother Plays](#)

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original...



[I Wish My Teacher Knew: How One Question Can Change Everything for Our Kids \(Hardback\)](#)

The Perseus Books Group, United States, 2016. Hardback. Book Condition: New. 210 x 140 mm. Language: English . Brand New Book. One day, third-grade teacher Kyle Schwartz asked her students to fill-in-the-blank in this sentence: I wish my teacher knew . The...



[A Cathedral Courtship \(Dodo Press\)](#)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...



[Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. \[Us English\]](#)

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



[Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. \[British English\]](#)

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...