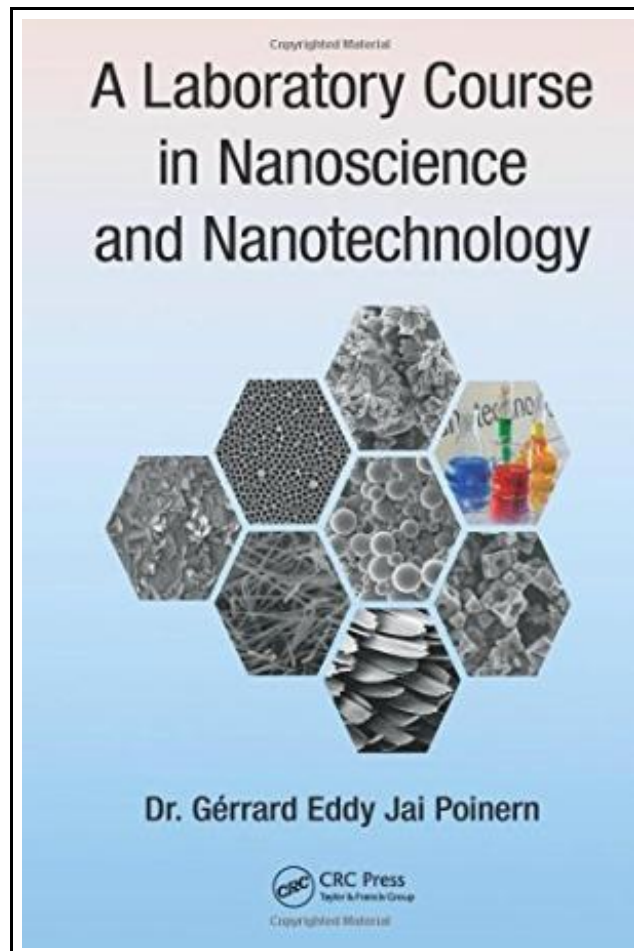


A Laboratory Course in Nanoscience and Nanotechnology (Hardback)



Filesize: 7.32 MB

Reviews

It is an amazing ebook i have possibly study. Indeed, it is engage in, nevertheless an amazing and interesting literature. I am just very easily can get a pleasure of reading a published book.
(Christopher Ferry)

A LABORATORY COURSE IN NANOSCIENCE AND NANOTECHNOLOGY (HARDBACK)

[DOWNLOAD](#)

Apple Academic Press Inc., Canada, 2014. Hardback. Book Condition: New. 234 x 162 mm. Language: English . Brand New Book. Although there are many theoretical nanotechnology and nanoscience textbooks available to students, there are relatively few practical laboratory-based books. Filling this need, A Laboratory Course in Nanoscience and Nanotechnology presents a hands-on approach to key synthesis techniques and processes currently used in nanotechnology and nanoscience. Written by a pioneer in nanotechnology, this practical manual shows undergraduate students how to synthesize their own nanometer-scale materials and structures and then analyze their results using advanced characterization techniques. Through a series of well-designed, classroom-tested lab experiments, students directly experience some of the magic of the nano world. The lab exercises give students hands-on skills to complement their theoretical studies. Moreover, the material in the book underscores the truly interdisciplinary nature of nanoscience, preparing students from physics, chemistry, engineering, and biology for work in nanoscience- and nanotechnology-related industries. After introducing examples of nanometer-scale materials and structures found in nature, the book presents a range of nanometer-scale materials and the synthesis processes used to produce them. It then covers advanced characterization techniques for examining nanometer-scale materials and structures. It also addresses lab safety and the identification of potential hazards in the lab before explaining how to prepare a scientific report and present research results. In addition, the author discusses typical projects undertaken in nanotechnology labs, such as the analysis of samples using scanning electron microscopy and atomic force microscopy. The book concludes with a set of projects that students can do while collaborating with a mentor or supervisor.

[Read A Laboratory Course in Nanoscience and Nanotechnology \(Hardback\) Online](#)[Download PDF A Laboratory Course in Nanoscience and Nanotechnology \(Hardback\)](#)

You May Also Like



A Kindergarten Manual for Jewish Religious Schools; Teacher s Text Book for Use in School and Home (Paperback)

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...

[Download eBook »](#)



Oxford Very First Dictionary (Paperback)

Oxford University Press, United Kingdom, 2012. Paperback. Book Condition: New. Georgie Birkett (illustrator). 234 x 182 mm. Language: English . Brand New Book. A fully illustrated alphabetical first dictionary for 4-5 year-olds. A fresh new...

[Download eBook »](#)



I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book (Paperback)

Heinemann Educational Books, United States, 2015. Paperback. Book Condition: New. 234 x 185 mm. Language: English . Brand New Book. It s vital that we support young children s reading in ways that nurture healthy...

[Download eBook »](#)



Oxford First Illustrated Maths Dictionary (Paperback)

Oxford University Press, United Kingdom, 2013. Paperback. Book Condition: New. 234 x 180 mm. Language: English . Brand New Book. The Oxford First Illustrated Maths Dictionary supports the curriculum and gives your child a head...

[Download eBook »](#)



The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

WW Norton Co, United States, 2016. Hardback. Book Condition: New. 4th Revised edition. 244 x 165 mm. Language: English . Brand New Book. The Well-Trained Mind will instruct you, step by step, on how to...

[Download eBook »](#)

**Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: The Sing Song (Hardback)**

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 176 x 150 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It

[Download Book »](#)

**Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 4: Wet Feet (Hardback)**

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 172 x 142 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It

[Download Book »](#)

**ESL Stories for Preschool: Book 1 (Paperback)**

Createspace, United States, 2013. Paperback. Book Condition: New. 212 x 210 mm. Language: English . Brand New Book ***** Print on Demand *****.A big attractive colourful book for ESL beginners, aged 3 to 5. It

[Download Book »](#)

**The Voyagers Series - Africa: Book 2 (Paperback)**

Voyagers Series, Inc., United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.The Voyagers Series is a new multi-media, multi-disciplinary approach to teaching

[Download Book »](#)

**Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 6: Ice City (Hardback)**

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 170 x 145 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It

[Download Book »](#)