



Recently published books

The following recently published books, relevant to materials research, have come to the attention of *MRS Bulletin*. Some of the books listed here may be reviewed in future issues of *MRS Bulletin*. To review a book from the list or to offer recommendations of additional books, contact Editorial Assistant, *MRS Bulletin*, 506 Keystone Drive, Warrendale, PA 15086-7573, USA; e-mail bulletin@mrs.org

An Introduction to Mechanics

Daniel Kleppner and Robert J. Kolenkow
Cambridge University Press, 2010, 568 pp.
\$75.00 ISBN: 978-0-521-19821-9

ASM Handbook Volume 15: Casting

ASM International, 2008, 1238 pp.
\$264.00 ISBN: 978-0-87170-711-6

Bioinspired Intelligent Nanostructured Interfacial Materials

Lei Jiang and Lin Feng
World Scientific, 2010, 364 pp.
\$135.00 ISBN: 978-981-4280-31-0

Carbons for Electrochemical Energy Storage and Conversion Systems

Francois Beguin and Elzbieta Frackowiak, Editors
Taylor & Francis/CRC Press, 2009, 529 pp.
\$149.95 ISBN: 978-1-4200-5307-4

Casting Design and Performance

ASM International, 2009, 264 pp.
\$175.00 ISBN: 978-0-87170-724-6

Current at the Nanoscale—An Introduction to Nanoelectronics

Colm Durkan
World Scientific, 2008, 224 pp.
\$99.00 ISBN: 978-1-86094-823-7

Group Theory—A Physicist's Survey

Pierre Ramond
Cambridge University Press, 2010, 320 pp.
\$70.00 ISBN: 978-0-521-89603-0

Handbook of Nanoindentation with Biological Applications

Michelle L. Oyen
Pan Stanford Publishing, 2010, 300 pp.
\$149.00 ISBN: 978-981-4241-89-2

High-Temperature Levitated Materials

David L. Price
Cambridge University Press, 2010, 240 pp.
\$125.00 ISBN: 978-0-521-88052-7

Inorganic Nanowires: Applications, Properties, and Characterization

M. Meyyappan and Mahendra K. Sunkara
Taylor & Francis/CRC Press, 2009, 453 pp.
\$99.95 ISBN: 978-1-4200-6782-8

Interatomic Forces in Condensed Matter

Mike Finnis
Oxford University Press, 2010, 304 pp.
\$50.00 ISBN: 978-0-19-958812-1

Lectures on Light—Nonlinear and Quantum Optics Using the Density Matrix

Stephen C. Rand
Oxford University Press, 2010, 320 pp.
\$75.00 ISBN: 978-0-19-957487-2

Microrobotics: Methods and Applications

Yves Bellouard
Taylor & Francis/CRC Press, 2009, 464 pp.
\$129.95 ISBN: 978-1-4200-6195-62

Modern Introduction to Surface Plasmons—Theory, Mathematica Modeling, and Applications

Dror Sarid and William Challener
Cambridge University Press, 2010, 386 pp.
\$85.00 ISBN: 978-0-521-76717-0

Molecular Electronics—An Introduction to Theory and Experiment

Juan Carlos Cuevas and Elke Scheer
World Scientific, 2010, 724 pp.
\$138.00 ISBN: 978-981-4282-58-1

Nanoscale Physics for Materials Science

Takaaki Tsurumi, Hiroyuki Hirayama, Martin Vacha, and Tomoyasu Taniyama
Taylor & Francis/CRC Press, 2009, 287 pp.
\$89.95 ISBN: 978-1-4398-0059-1

New Membranes and Advanced Materials for Wastewater Treatment

Tanja Mueller, Benoit Guieysse, and Abhijit Sarkar, Editors
ACS Publications, 2010, 272 pp.
\$150.00 ISBN: 978-0-8412-7214-9

Optical Interactions in Solids, Second Edition

Baldassare Di Bartolo
World Scientific, 2010, 632 pp.
\$95.00 ISBN: 978-981-4295-74-1

Organic Electronics: Materials, Processing, Devices and Applications

Franky So, Editor
Taylor & Francis/CRC Press, 2009, 581 pp.
\$149.95 ISBN: 978-1-4200-7290-7

Organic Spintronics

Valy Vardeny, Editor
Taylor & Francis/CRC Press, 2010, 352 pp.
\$129.95 ISBN: 978-1-4398-0656-2

Polymer Thin Films

Abbass A. Hashim, Editor
TSciyo.com, 2010, 324 pp.
\$0 ISBN: 978-953-307-059-9

Porous Media: Applications in Biological Systems and Biotechnology

Kambiz Vafai, Editor
Taylor & Francis/CRC Press, 2010, 632 pp.
\$149.95 ISBN: 978-1-4200-6541-1

Quantum Mechanics for Nanostructures

Vladimir V. Mitin, Dmitry I. Sementsov, and Nizami Z. Vagidov
Cambridge University Press, 2010, 448 pp.
\$70.00 ISBN: 978-0-521-76366-0

Stimuli Responsive Drug Delivery Systems

Anil Bajpai, Sandeep Shukla, Rajesh Saini, and Atul Tiwari
Rapra Technology, 2010, 370 pp.
\$250.00 ISBN: 978-1-84735-416-7

The Physical Chemistry of Materials: Energy and Environmental Applications

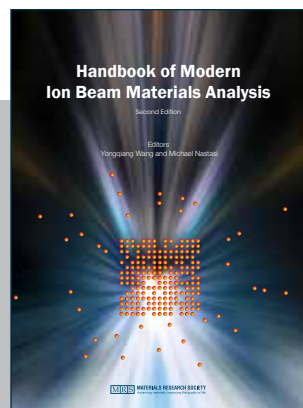
Rolando M.A. Roque-Malherbe
Taylor & Francis/CRC Press, 2009, 522 pp.
\$149.95 ISBN: 978-1-4200-8272-2

Thermo-oxidative Degradation of Polymers

T.R. Crompton
Rapra Technology, 2010, 136 pp.
\$200.00 ISBN: 978-1-84735-471-6

What Every Engineer Should Know about MATLAB® and Simulink®

Adrian B. Biran
Taylor & Francis/CRC Press, 2010, 451 pp.
\$69.95 ISBN: 978-1-4398-1020-0



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