

The following recently published books, relevant to materials research, have come to *MRS Bulletin's* attention. 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.

Books

Biomaterials

Nanobiotechnology II: More Concepts and Applications, Chad A. Mirkin and Christof M. Niemeyer, Editors, Wiley, 2007, 459 pp., \$190.00, ISBN: 978-3-527-31673-1.

Nanomaterials for Biosensors, Challa S.S.R. Kumar, Editor, Wiley, 2007, 430 pp., \$185.00, ISBN: 978-3-527-31388-4.

New Frontiers in Ultrasensitive Bioanalysis: Advanced Analytical Chemistry Applications in Nanobiotechnology, Single Molecule Detection, and Single Cell Analysis, Xiao-Hong Nancy Xu, Editor, Wiley, 2007, 308 pp., \$99.95, ISBN: 978-0-471-74660-7.

Experimental Techniques

Colorimetry—Understanding the CIE System, János Schanda, Editor, Wiley, 2007, 459 pp., \$115.00, ISBN: 978-0-470-04904-4.

Electrocrystallization in Nanotechnology, Georgi T. Staikov, Editor, Wiley, 2007, 279 pp., \$165.00, ISBN: 978-3-527-31515-4.

Micro Instrumentation: For High Throughput Experimentation and Process Intensification, Kurt M. VandenBussche and Ray W. Chrisman, Editors, Wiley, 2007, 520 pp., \$185.00, ISBN: 978-3-527-31425-6.

Systems with Hysteresis: Analysis, Identification, and Control Using the Bouc-Wen Model, Ikhouane Fayçal and José Rodellar, Wiley, 2007, 222 pp., \$120.00, ISBN: 978-0-470-03236-7.

History, Biography, and Unclassified

Combinatorial Materials Science, Balaji Narasimhan, Surya Mallapragada, and Marc D. Porter, Editors, Wiley, 2007, 248 pp., \$99.95, ISBN: 978-0-471-72833-7.

Inorganic Chemistry, Other Chemistry, and Ceramics

Core Concepts in Supramolecular Chemistry and Nanochemistry: From Supramolecules to Nanotechnology, Jonathan W. Steed, David R. Turner, and Karl Wallace, Wiley, 2007, 320 pp., \$140.00, ISBN: 978-0-470-85866-0.

Corrosion and Surface Chemistry of Metals, Dieter Landolt, Taylor & Francis/CRC, 2007, 400 pp., \$109.95, ISBN: 978-0-8493-8233-8.

Fractography of Glasses and Ceramics V, James R. Varner, George C. Quinn, and Marlene Wightman, Wiley, 2007, 484 pp., \$125.00, ISBN: 978-0-470-09737-3.

Nanomaterials Chemistry—Recent Developments and New Directions, C.N.R. Rao, A. Müller, and A.K. Cheetham, Editors, Wiley, 2007, 405 pp., \$185.00, ISBN: 978-3-527-31664-9.

Physics and Electronics

Alloy Physics: A Comprehensive Reference, Wolfgang Pfeiler, Editor, Wiley, 2007, 1003 pp., \$250.00, ISBN: 978-3-527-31321-1.

Future Trends in Microelectronics: Up the Nano Creek, Serge Luryi, Jimmy Xu, and Alex Zaslavsky, Wiley, 2007, 459 pp., \$84.95, ISBN: 978-0-470-08146-4.

Interactions of Photons and Neutrons with Matter, Second Edition, Sow-Hsin Chen and Michael Kotlarchyk, World Scientific, 2007, 441 pp., \$78.00, ISBN: 978-981-02-4214-5.

Liquid Phase Epitaxy of Electronic, Optical, and Optoelectronic Materials, Peter Capper and Michael Mauk, Editors, Wiley, 2007, 464 pp., \$255.00, ISBN: 978-0-470-85290-3.

Mesoscopic Electronics in Solid State Nanostructures, Second Edition, Thomas Heinzel, Wiley, 2007, 412 pp., \$105.00, ISBN: 978-3-527-40638-8.

Polymer Chemistry

Polymers: Chemistry and Physics of Modern Materials, Third Edition, J.M.G. Cowie and Valeria Arrighi, Taylor & Francis/CRC, 2007, 520 pp., \$79.95, ISBN: 978-0-849-398131.

Polymers, Patents, Profits: A Classic Case Study for Patent Infighting, Heinz Martin, Wiley, 2007, 294 pp., \$70.00, ISBN: 978-3-527-31809-4.

Structure of Materials

Competing Interactions and Pattern Formation in Nanoworld, Elena Vedmedenko, Wiley, 2007, 215 pp., \$150.00, ISBN: 978-3-527-40484-1.

Low-Dimensional Nanoscale Systems on Discrete Spaces, Erhardt Papp and Codrutza Micu, World Scientific, 2007, 276 pp., \$71.00, ISBN: 978-981-270-638-6.

The Theory of Critical Distances—A New Perspective in Fracture Mechanics, David Taylor, Elsevier, 2007, 306 pp., \$102.50, ISBN: 978-0-08-044478-9. □



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