

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](mailto:bulletin@mrs.org).

## Books

### Applications of Materials

**Hybrid Materials—Synthesis, Characterization, and Applications**, Guido Kickelbick, Editor, Wiley, 2007, 516 pp., \$190.00, ISBN: 978-3-527-31299-3.

**Nanomaterials for Medical Diagnosis and Therapy**, Challa S.S.R. Kumar, Editor, Wiley, 2007, 757 pp., \$175.00, ISBN: 978-3-527-31390-7.

**Optical Trapping and Manipulation of Neutral Particles Using Lasers**, *A Reprint Volume with Commentaries*, Arthur Ashkin, World Scientific, 2007, 940 pp., \$96.00, ISBN: 978-981-02-4058-5.

### Biomaterials

**Microbiologically Influenced Corrosion**, Brenda J. Little and Jason S. Lee, Wiley, 2007, 279 pp., \$79.95, ISBN: 978-0-471-77276-7.

**Radiation Chemistry of Biopolymers**, G.E. Zaikov and V.A. Sharpatyi, Brill Academic Publishers, 2006, 376 pp., \$309.00, ISBN: 978-90-04-15425-4.

### Electrochemistry

**Corrosion Handbook: Corrosive Agents and Their Interaction with Materials, Volume 7: Sodium Chloride**, *Second, Completely Revised and Extended Edition*, Michael Schütze and Gerhard Kreysa, Editors, Wiley, 2007, 868 pp., \$500.00, ISBN: 978-3-527-31123-1.

### Experimental Techniques

**Fundamentals of Nanoscale Film Analysis**, Terry L. Alford, L.C. Feldman, and James W. Mayer, Springer, 2007, 330 pp., \$89.95, ISBN: 978-0-387-29260-1.

**Handbook of Plastics Testing and Failure Analysis**, *Third Edition*, Vishu Shah, Wiley, 2007, 634 pp., \$125.00, ISBN: 978-0-471-67189-3.

**Laser Cleaning II**, D.M. Kane, Editor, World Scientific, 2007, 324 pp., \$82.00, ISBN: 978-981-270-372-9.

### History, Biography, and Unclassified

**Archaeological Approaches to Technology**, Heather Margaret-Louise Miller, Academic Press, 2006, 304 pp., \$79.95, ISBN: 978-0-12-496951-3.

**Introductory Concepts in Information Science**, Melanie J. Norton, Information Today, 2000, 127 pp., \$39.50, ISBN: 978-1-57387-087-0.

### Inorganic Chemistry, Other Chemistry, and Ceramics

**Synthesis, Properties, and Applications of Oxide Nanomaterials**, José A. Rodríguez and Marcos Fernández-García, Editors, Wiley, 2007, 717 pp., \$135.00, ISBN: 978-0-471-72405-6.

### Metallurgy

**Fatigue Crack Propagation in Metals and Alloys: Microstructural Aspects and Modeling Concepts**, Ulrich Krupp, Wiley, 2007, 311 pp., \$115.00, ISBN: 978-3-527-31537-6.

**Materials—Engineering, Science, Processing, and Design**, Michael Ashby, Hugh Shercliff, and David Cebon, Butterworth-Heinemann, 2007, 528 pp., \$74.95, ISBN: 978-0-7506-8391-3.

**Materials Science—An Intermediate Text**, William F. Hosford, Cambridge University Press, 2006, 252 pp., \$85.00, ISBN: 978-0-521-86705-4.

### Physics and Electronics

**Dielectric Films for Advanced Microelectronics**, Mikhail Bklanov, Karen Maex, and Martin Green, Editors, Wiley, 2007, 508 pp., \$220.00, ISBN: 978-0-470-01360-1.

**Integral Materials Modeling: Towards Physics-Based Through-Process Models**, Gunter Gottstein, Editor, Wiley, 2007, 314 pp., \$150.00, ISBN: 978-3-527-31711-0.

**Understanding Moore's Law—Four Decades of Innovation**, David C. Brock, Editor, Chemical Heritage Foundation, 2006, 96 pp., \$12.50, ISBN: 978-0-941901-41-3.

### Polymer Chemistry

**Determination of Additives in Polymers and Rubbers**, Roy Crompton, Rapra Technology, 2007, 450 pp., \$197.00, ISBN: 978-1-84735-000-8.

**Flame Retardant Polymer Nanocomposites**, Alexander B. Morgan and Charles A. Wilkie, Editors, Wiley, 2007, 440 pp., \$125.00, ISBN: 978-0-471-73426-0.

**Liquid Crystals**, *Second Edition*, Iam-Choon Khoo, Wiley, 2007, 368 pp., \$135.00, ISBN: 978-0-471-75153-3.

**Models of Agglomeration and Glass Transition**, Richard Kerner, Imperial College Press, 2006, 380 pp., \$88.00, ISBN: 978-186094-756-8.

**Photodegradation and Light Stabilization of Heterochain Polymers**, F. Niyazi and I.V. Savenkova, Brill Academic Publishers, 2006, 192 pp., \$201.00, ISBN: 978-90-04-15362-2.

**Polybutylene Terephthalate (PBT), Synthesis and Properties**, M.A. Mikitaev and T.A. Borukaev, Brill Academic Publishers, 2006, 206 pp., \$201.00, ISBN: 978-90-04-15424-7.

**Polymers and Light: Fundamentals and Technical Applications**, W. Schnabel, Wiley, 2007, 396 pp., \$175.00, ISBN: 978-3-527-31866-7.

**Rubberlike Elasticity—A Molecular Primer**, James E. Mark and Burak Erman, Cambridge University Press, 2007, 270 pp., \$130.00, ISBN: 978-0-521-81425-6.

**Self-Doped Conducting Polymers**, Michael S. Freund and Bhavana A. Deore, Wiley, 2007, 338 pp., \$135.00, ISBN: 978-0-470-02969-5.

### Structure of Materials

**Fundamentals of Fibre Reinforced Composite Materials**, A.R. Bunsell and J. Renard, Taylor & Francis/CRC, 2005, 225 pp., \$63.95, ISBN: 978-0-7503-0689-8. □

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