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The following recently published books, relevant to materials science, have come to *MRS Bulletin's* attention. Some of the books listed here may be reviewed in future issues of *MRS Bulletin*.

### Books

**III-Nitride Semiconductors Optical Properties I**, *Vol. 13 of OPSS Series*, M.O. Manasreh and H.X. Jiang, Taylor & Francis Publishing, New York, 2002, 417 pp., \$145, ISBN 1-56032-972-6.

**Battery Management Systems: Design by Modelling**, Henk Jan Bergveld, Wanda S. Kruijt, and Peter H.L. Notten, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2002, 67 pp., \$97, ISBN 1-4020-0832-5.

**Block Copolymers, Synthetic Strategies, Physical Properties, and Applications**, Nikos Hadjichristidis, Stergios Pispas, and George A. Floudas, John Wiley & Sons (Wiley Interscience), Hoboken, 2003, 419 pp., \$125, ISBN 0-471-39436-X.

**Carbon Alloys: Novel Concepts to Develop Carbon Science and Technology**, E. Yasuda, M. Inagaki, K. Kaneko, M. Endo, A. Oya, and Y. Tanabe, eds., Elsevier Science, Kidlington, 2003, 569 pp., \$170, ISBN 0-08-044163-7.

**Characterization of Materials: An Expansive Collection of Widely Applicable Materials Characterization Methods**, *Two Volume Set*, Elton N. Kaufmann, ed., John Wiley & Sons, Hoboken, 2003, 400 pp., \$350, ISBN 0-471-26882-8.

**Chemical-Mechanical Polishing of Low Dielectric Constant Polymers and Organosilicate Glasses: Fundamental Mechanisms and Application to IC Interconnect Technology**, Christopher L. Borst, William N. Gill, and Ronald J. Gutmann, Kluwer Academic Publishers, Boston, 2002, 229 pp., \$145, ISBN 1-4020-7193-0.

**Chemistry and Applications of Polyphosphazenes**, Harry R. Allcock, John Wiley & Sons (Wiley Interscience), Hoboken, 2003, 725 pp., \$325, ISBN 0-471-44371-9.

**Color Space and Its Divisions: Color Order from Antiquity to the Present**, Rolf G. Kuehni, John Wiley & Sons (Wiley Interscience), Hoboken, 2003, 408 pp., \$99.95, ISBN 0-471-32670-4.

**Concise Dictionary of Materials Science Structure and Characterization of Polycrystalline Materials**, Vladimir Novikov, CRC Press, Boca Raton, 2003, 272 pp., \$149.95, ISBN 0-8493-0970-0.

**Electrocrystallization: Fundamentals of Nucleation and Growth**, Alexander Milchev, Kluwer Academic Publishers, Boston, 2002, 265 pp., \$135, ISBN 1-4020-7090-X.

**Encyclopedia of Polymer Science and Technology—A Comprehensive Reference to the Entire Field**, *3d Ed., Part 1, Vols. 1–4*, Herman F. Mark, John Wiley & Sons, Hoboken, 2003, 3005 pp., \$1,400, ISBN 0-471-28824-1.

**Fundamentals of Ceramics**, M.S. Barsoum, Institute of Physics Publishing, London, 2003, 603 pp., \$55, ISBN 0-7503-0902-4.

**Fundamentals of Solid State Engineering**, Manijeh, Razeghi, Kluwer Academic Publishers, Boston, 2002, 630 pp., \$135, ISBN 0-7923-7629-3.

**Handbook of Free Radical Initiators**, E.T. Denisov, T.G. Denisova, T.S. Pokidova, John Wiley & Sons (Wiley Interscience), Hoboken, 2003, 879 pp., \$300, ISBN 0-471-20753-5.

**Handbook of Nanophase and Nanostructured Materials**, Zhong Lin Wang, Yi Liu, and Ze Zhang, eds., Kluwer Academic/Plenum Publishers, New York, 2003; *Vol. 1: Synthesis*, 355 pp., ISBN 0-306-46737-2,

*Vol. 2: Characterization*, 396 pp., ISBN 0-306-46738-0,

*Vol. 3: Materials Systems and Applications (I)*, 405 pp., ISBN 0-306-46739-9, and

*Vol. 4: Materials Systems and Applications (II)*, 338 pp., ISBN 0-306-46249-2, \$640 (4-volume set).

**Handbook of Optical Materials**, Marvin J. Weber, CRC Press, Boca Raton, 2003, 512 pp., \$129.95, ISBN 0-8493-3512-4.

**Heterophase Network Polymers: Synthesis, Characterization and Properties**, Boris A. Rozenberg and Grigori M. Sigalov, Taylor & Francis Publishing, New York, 2002, 313 pp., \$96.00, ISBN 0-415-28417-1.

**The History of the Soviet Atomic Industry**, Arkadii Kruglov, Taylor & Francis Publishing, New York, 2002, 282 pp., \$95, ISBN 0-415-26970-9.

**An Introduction to Laser Spectroscopy, 2d Ed.**, David L. Andrews and Andrey A. Demidov, eds., Kluwer Academic Publishers, New York, 2002, 375 pp., \$95, ISBN 0-306-47298-8.

**Introduction to Thermal Analysis: Techniques and Applications**, Michael E. Brown, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, 264 pp., \$53.50, ISBN 1-4020-0472-9.

**Low-Dimensional Nitride Semiconductors**, Bernard Gil, ed., Oxford University Press, New York, 2002, 467 pp., \$ 75 UK, ISBN 0-19-850974-X.

**Magnetism**, E. du Tremolet de Lacheisserie, D. Gignoux, and M. Schlenker, Kluwer Academic Publishers, Boston, 2002; *Vol. I: Fundamentals*, 507 pp., \$325, ISBN 1-4020-7222-8, *Vol. II: Materials & Applications*, 517 pp., \$325, ISBN 1-4020-7223-6.

**Manufacturing Surface Technology**, Brian Griffith, Taylor & Francis Publishing, New York, 2002, 237 pp., \$37.50, ISBN 1-5603-2970-X.

**Nanocrystalline Metals and Oxides: Selected Properties and Applications**, Philippe Knauth and Joop Schoonman, Kluwer Academic Publishers, Boston, 2002, 242 pp., \$135, ISBN 0-7923-7627-7.

**Nanostructured Materials: Selected Synthesis Methods, Properties and Applications**, Philippe Knauth and Joop Schoonman, eds., Kluwer Academic Publishers, Boston, 2002, 188 pp., \$145, ISBN 1-4020-7241-4.

**Photoacoustic Infrared Spectroscopy**, Kirk H. Michaelian, John Wiley & Sons (Wiley Interscience), Hoboken, 2003, 335 pp., \$125, ISBN 0-471-13477-5.

**Physics of Semiconductor Devices**, Jean-Pierre Colinge and Cynthia A. Colinge, Kluwer Academic Publishers, Boston, 2002, 436 pp., \$130, ISBN 1-4020-7018-7.

**Plastics and the Environment**, by Anthony L. Andrady, ed., John Wiley & Sons (Wiley Interscience), Hoboken, 2003, 762 pp., \$125, ISBN 0-471-09520-6.

**Polyoxometalate Chemistry for Nano-Composite Design**, Toshihiro Yamase and Michael T. Pope, eds., Kluwer Academic Publishers, New York, 2002, 235 pp., \$125, ISBN 0-306-47359-3.

**Progress in Inorganic Chemistry, Vol. 51**, Kenneth D. Karlin, ed., John Wiley & Sons (Wiley Interscience), Hoboken, 2003, 640 pp., \$150, ISBN 0-471-26534-9.

**Progress in Ultra-Short Electromagnetic Pulse Technology: A New Frontier in Physics**, Jean-Francois Eloy, Taylor & Francis Publishing, New York, 2002, 253 pp., \$140, ISBN 1-56032-964-5.

**Properties of Amorphous Carbon**, S.R.P. Silva, ed., INDSPEC, The Institution of Electrical Engineers, London, 2003, 367 pp., \$235, ISBN 0-85296-961-9.

**RF/Microwave Hybrids: Basics, Materials and Processes**, Richard Brown, Kluwer Academic Publishers, Boston, 2003, 283 pp., \$165, ISBN 1-4020-7233-3.

**Science and Application of Nanotubes**, D. Tomanek and R.J. Enbody, eds., Kluwer Academic Publishers, New York, 2000, 398 pp., \$165, ISBN 0-306-46372-5.

**Self-Assembled Nanostructures**, Jim Zhang, Zhong-lin Wang, Jun Liu, Shaowei Chen, and Gang-yu Liu, Kluwer Academic Publishers, New York, 2003, 316 pp., \$135, ISBN 0-306-47299-6.

**Solidification and Casting**, B. Cantor and K. O'Reilly, eds., Institute of Physics Publishing, London, 2002, 428 pp., \$65, ISBN 0-7503-0843-5.

**Strained Silicon Heterostructures Materials and Devices**, C.K. Matti, N.B. Chakrabarti, and S.K. Ray, The Institution of Electrical Engineers, London, 2001, 496 pp., \$99, ISBN 0-85296-778-0.

**Thermal Stresses**, Naotake Noda, Richard B. Hetnarski, and Yoshinobu Tanigawa, Taylor & Francis Publishing, New York, 2002, 493 pp., \$115, ISBN 1-56032-971-8.

**Thin Films: Preparation, Characterization, Applications**, Manuel P. Soriaga, John Stickney, Lawrence A. Bottomley, and Youn-Geun Kim, eds., Kluwer Academic Publishers, New York, 2002, 367 pp., \$145, ISBN 0-306-47335-6.

**True Genius: The Life and Science of John Bardeen**, Lillian Hoddsen and Vicki Daitch, Joseph Henry Press, Washington D.C., 2002, 482 pp., \$27.95, ISBN 0-309-08408-3.

**Water Transport in Brick, Stone and Concrete**, Christopher Hall and William D. Hoff, Spoon Press, New York, 2002, 318 pp., \$95, ISBN 0-419-22890-X. □

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