

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

Advanced Catalysts and Nanostructured Materials: Modern Synthetic Methods

W.R. Moser, ed. Academic Press, San Diego, 1996. Cloth, 618 pp., \$85.00, ISBN 0-12-508460-9.

An Introduction to X-Ray Crystallography, 2d ed., M.M. Woolfson. Cambridge University Press, New York, 1996. Cloth, \$99.95, ISBN 0-521-41271-4; paper, \$37.95, ISBN 0-521-42359-7; 414 pp.

Antioxidative Stabilization of Polymers, Yu.A. Shlyapnikov, S.G. Kiryushkin, and A.P. Mar'in. Translated by B. Kazutin and Yu. A. Shlyapnikov. Taylor & Francis, London, 1996. Cloth, 251 pp., \$135.00, ISBN 0-7484-0577-1.

Atom Probe Field Ion Microscopy, M.K. Miller, A. Cerezo, M.G. Hetherington, and G.D.W. Smith. Oxford University Press, New York, 1996. Cloth, 521 pp., \$120.00, ISBN 0-19-851387-9.

Atomic & Ion Collisions in Solids and at Surfaces: Theory, Simulation & Applications, R. Smith, ed. Cambridge University Press, New York, 1997. Cloth, 319 pp., \$69.95, ISBN 0-521-44022-X.

Carbon Nanotubes, M. Endo, S. Iijima, and M.S. Dresselhaus, eds. Elsevier Science, Oxford, 1997. Cloth, 193 pp., \$80.00, ISBN 0-08-042682-4.

Conjugated Polymer Surfaces and Interfaces: Electronic and Chemical Structure of Interfaces for Polymer Light Emitting Devices

W.R. Salaneck, S. Stafström, and J.-L. Brédas. Cambridge University Press, New York, 1996. Cloth, 169 pp., \$49.95, ISBN 0-521-47206-7.

Corrosion and Electrochemistry of Zinc, X.G. Zhang. Plenum Press, New York, 1996. Cloth, 496 pp., \$125.00, ISBN 0-306-45334-7.

Designing the Molecular World: Chemistry at the Frontier, P. Ball. Princeton University Press, Princeton, 1997. Paper, 376 pp., \$16.95, ISBN 0-691-02900-8.

Electrons and Phonons in Semiconductor Multilayers, B.K. Ridley. Cambridge University Press, New York, 1996. Cloth, 350 pp., \$69.95, ISBN 0-521-47492-2.

Electrotechnology: Industrial and Environmental Applications, N.P. Cheremisinoff. Noyes Publication, Westwood, NJ, 1997. Cloth, 190 pp., \$54.00, ISBN 0-8155-1402-6.

Fluorescence Microscopy and Fluorescent Probes, J. Slavik, ed. Plenum Press, New York, 1996. Cloth, 324 pp., \$95.00, ISBN 0-306-45392-4.

Fracture Mechanics of Ceramics. Vol. 11, R-Curve Behavior, Toughness Determination, and Thermal Shock, R.C. Bradt, D.P.H. Hasselman, D. Munz, M. Sakai, and V.Ya. Shevchenko, eds. Plenum Press, New York, 1996. Cloth, 600 pp., \$145.00, ISBN 0-306-45378-9.

Fracture Mechanics of Ceramics. Vol. 12, Fatigue, Composites, and High-Temperature Behavior, R.C. Bradt, D.P.H. Hasselman, D. Munz, M. Sakai, and V.Ya. Shevchenko, eds. Plenum Press, New York, 1996. Cloth, 612 pp., \$145.00, ISBN 0-306-453793.

Fundamentals of Piezoelectricity, T. Ikeda. Oxford University Press, New York, 1997. Paper, 275 pp., \$45.00, ISBN 0-19-856460-0.

Handbook of Magneto-Optical Data Recording: Materials, Subsystems, Techniques, T.W. McDaniel and R.H. Victora, eds. Noyes Publications, Westwood, NJ, 1997. Cloth, 967 pp., \$125.00, ISBN 0-8155-1391-7.

Handbook of Refractory Carbides and Nitrides: Properties, Characteristics, Processing and Applications, H.O. Pierson. Noyes Publication, Westwood, NJ, 1997. Cloth, 362 pp., \$86.00, ISBN 0-8155-1392-5.

High Pressure Phase Transformations: A Handbook, vol. 3, E.Yu. Tonkov. Gordon & Breach, Philadelphia, 1996. Cloth, 197 pp., \$125.00, ISBN 2-88449-075-2.

High Temperature Electronics, F.P. McCluskey, R. Grzybowski, and T. Podlesak, eds. CRC Press, New York, 1997. Cloth, 350 pp., \$69.95, ISBN 0-8493-9623-9.

Introduction to Bioengineering, S.A. Berger, W. Goldsmith, and E.R. Lewis, eds., Oxford University Press, New York, 1996. Cloth, 540 pp., \$110.00, ISBN 0-19-856516-X.

Materials Selection Deskbook, N.P. Cheremisinoff. Noyes Publication, Westwood, NJ, 1997. Cloth, 207 pp., \$48.00, ISBN 0-8155-1400-X.

New Directions in Solid State Chemistry, 2d ed., C.N.R. Rao and J. Gopalakrishnan. Cambridge University Press, New York, 1996. Cloth, \$110.00, ISBN 0-521-49559-8; paper, \$44.95, ISBN 0-521-49907-0; 565 pp.

The New Superconductors, F.J. Owens and C.P. Poole, Jr. Plenum Press, New York, 1996. Cloth, 215 pp., \$39.50, ISBN 0-306-45453-X.

Passive Microwave Device Applications of High-Temperature Superconductors, M.J. Lancaster. Cambridge University Press, New York, 1996. Cloth, 356 pp., \$79.95, ISBN 0-521-48032-9.

The Perpetual Enterprise Machine: Seven Keys to Corporate Renewal Through Successful Product and Process Development, H.K. Bowen, K.B. Clark, C.A. Holloway, and S.C. Wheelwright, eds. Oxford University Press, New York, 1994. Cloth, 446 pp., \$27.50, ISBN 0-19-508052-1.

The Physics and Applications of Photorefractive Materials, L. Solymar, D.J. Webb, and A. Grunnet-Jepsen. Oxford University Press, New York, 1996. Cloth, 505 pp., \$135.00, ISBN 0-19-856501-1.

The Principles and Practice of Electron Microscopy, 2d ed., I.M. Watt. Cambridge University Press, New York, 1996. Cloth, \$110.00, ISBN 0-521-43456-4; paper, \$44.95, ISBN 0-521-43591-9; 496 pp.

Quantum Statistical Theory of Superconductivity, S. Fujita and S. Godoy. Plenum Press, New York, 1996. Cloth, 358 pp., \$59.50, ISBN 0-306-45363-0.

Rare-Earth Iron Permanent Magnets, J.M.D. Coey, ed. Oxford University Press, New York, 1996. Cloth, 542 pp., \$135.00, ISBN 0-19-851792-0.

Reflection Electron Microscopy and Spectroscopy for Surface Analysis, Z.L. Wang. Cambridge University Press, New York, 1996. Cloth, 456 pp., \$95.00, ISBN 0-521-48266-6.

Semiconductors and Semimetals. Vol. 44, II-VI Blue/Green Light Emitters: Device Physics and Epitaxial Growth, R.L. Gunshor and A.V. Nurmikko, vol. eds. Academic Press, San Diego, 1997. Cloth, 352 pp., \$119.00, ISBN 0-12-752144-5.

Solid State Physics. Vol. 50, Advances in Research and Applications, H. Ehrenreich and F. Spaepen, eds. Academic Press, San Diego, 1997. Cloth, 415 pp., \$120.00, ISBN 0-12-607750-9.

Structural Design of Polymer Composites, J.L. Clarke, ed. Chapman & Hall, London, 1996. Cloth, 761 pp., \$174.95, ISBN 0-419-19450-9.

Stuff: The Materials the World is Made Of, I. Amato. Basic Books, New York, 1997. Cloth, 304 pp., \$25.00, ISBN 0-465-08328-5.

Superplasticity in Metals and Ceramics, T.G. Nieh, J. Wadsworth, and O.D. Sherby. Cambridge University Press, New York, 1996. Cloth, 287 pp., \$74.95, ISBN 0-521-56105-1.

Surfaces, Vacuum, and Their Applications, I. Hernández-Calderón and R. Asomoza. American Institute of Physics, Woodbury, New York, 1996. Cloth, 705 pp., \$165.00, ISBN 1-56396-418-X.

Theory and Applications of the Cluster Variation and Path Probability Methods, J.L. Morán-López and J.M. Sanchez, eds. Plenum Press, New York, 1996. Cloth, 435 pp., \$129.50, ISBN 0-306-45461-0.

Transport Phenomena and Materials Processing, S. Kou. John Wiley & Sons, New York, 1996. Cloth, 664 pp., \$54.95, ISBN 0-471-07667-8.

Ultra-Fine Particles: Exploratory Science and Technology, C. Hayashi, R. Uyeda, and A. Tasaki, eds. Noyes Publications, Westwood, NJ, 1997. Cloth, 467 pp., \$76.00, ISBN 0-8155-1404-2.

The Wiley Encyclopedia of Packaging Technology, 2d ed., A.L. Brody and K.S. Marsh. John Wiley & Sons, New York, 1997. Cloth, 1037 pp., \$225.00, ISBN 0-471-06397-5. □

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