

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 Materials for Water Handling: Composites and Thermoplastics, 1st ed.,

Derick V. Scott, Engineering Information Inc. and Elsevier Advanced Technology, Oxford, 1999, 500 pp., \$222.00, ISBN 1-85617-350-X.

Advanced Polymer Processing Operations,

Nicholas P. Cheremisinoff, William Andrew Publishing, Norwich, 1998, 287 pp., \$109.00, ISBN 0-8155-1426-3.

Advances in Synthetic Materials: Twenty Years in Progress in Science and Technology,

P. Bernier, S. Lefrant, and G. Bidan, Elsevier Science Review, Amsterdam, 1999, 452 pp., \$176.97, ISBN 0-444-72003-0.

Atom Probe Tomography, Analysis at the Atomic Level,

M.K. Miller, Kluwer Academic/Plenum Publishers, New York, 2000, 239 pp., \$72.50, ISBN 0-306-46415-2.

The Binns Medalists,

Margaret Carney, The American Ceramic Society, Westerville, 2000, 133 pp., \$25.00.

Bioceramics: Materials and Applications III, Ceramic Transactions, Vol. 110,

Laurie George, Richard P. Rusin, Gary S. Fischman, and Vic Janas, eds., The American Ceramic Society, Westerville, 2000, 198 pp., \$95.00, ISBN 1-57498-102-1.

Boing-Boing the Bionic Cat,

Larry L. Hench, The American Ceramic Society, Westerville, 2000, 48 pp., \$17.00, ISBN 1-57498-109-9.

Cemented Tungsten Carbides, Production, Properties, and Testing,

Gopal S. Upadhyaya, William Andrew Publishing, Norwich, 1998, 403 pp., \$139.00, ISBN 0-8155-1417-4.

Ceramic Technology and Processing,

Alan G. King, William Andrew Publishing, Norwich, 2000, 450 pp., \$145.00, ISBN 0-8155-1443-3.

Ceramics and Ceramic Composites:

Materialgraphic Preparation, G. Ellsner, H. Hoven, G. Kiessler, and P. Wellener, Elsevier Science Review, Amsterdam, 1999, 184 pp., \$96.50, ISBN 0-444-10030-X.

Characterization of High-Tc Materials & Devices by Electron Microscopy,

Nigel D. Browning and Stephen J. Pennycook, Cambridge University Press, Cambridge, 2000, 391 pp., \$100.00, ISBN 0-521-55490-X.

Color Science, Concepts and Methods,

Quantitative Data and Formulae, 2d ed., Günther Wyszecki & W.S. Stiles, John Wiley & Sons, New York, 2000, 950 pp., \$59.95, ISBN 4-471-39918-3.

Coloring Technology for Plastics,

Ronald M. Harris, William Andrew Publishing, Norwich, 1999, 333 pp., \$160.00, ISBN 1-884207-78-2.

Comprehensive Dictionary of Earth Science,

M. Moureau and G. Brace, Publications de

L'Institut Francais du Petrol, Paris, 2000, 1152 pp., \$160.00, ISBN 2-7108-0749-1.

Computational Methods in Surface and Colloid Science,

Malgorzata Borowko, Marcel Dekker, Inc., New York, 2000, 984 pp., \$225.00, ISBN 0-8247-0323-5.

Condensed Matter Physics,

Michael P. Marder, John Wiley & Sons, New York, 2000, 895 pp., \$94.95, ISBN 0-471-17779-2.

Conductive Polymers and Plastics in Industrial Applications,

Larry Rupprecht, William Andrew Publishing, Norwich, 1999, 302 pp., \$160.00, ISBN 1-884207-77-4.

Crystal-Field Engineering of Solid-State Laser Materials,

Brian Henderson and Ralph H. Bartram, Press Syndicate of the University of Cambridge, Cambridge, 2000, 397 pp., \$95.00, ISBN 0-521-59349-2.

Electronic Handbook of Optical Constants of Solids,

Edward D. Palik and Gorachand Ghosh, Academic Press, San Diego, 1999, \$1800.00, ISBN 0-12-544455-9.

Electrophysical Phenomena in the Tribology of Polymers,

A.I. Sciridenok, A.F. Klimovich, and V.N. Kestelman, Gordon & Breach Science Publishers, Amsterdam, 1999, 192 pp., \$75.00, ISBN 90-5699-577-4.

Elements of Plasticity, Theory and Computation,

Ioannis Doltsinis, WIT Press, Southampton, 2000, 311 pp., \$183.00, ISBN 1-85312-702-7.

The Encyclopedia of Materials Science and Technology,

K.H. Jürgen Buschow, Robert W. Cahn, Merton C. Flemings, Bernhard Ilshner, Edward J. Kramer, Subhash Mahajan, eds., Elsevier Science, Oxford, 2001, 10,000 pp., \$4,795.00, ISBN 0-08-043152-6.

Encyclopedia of Separation Science,

Ian D. Wilson, Mike Cooke, and Colin F. Poole, Academic Press, Orlando, 2000, 7500 pp., \$2400.00, ISBN 0-12-226770-2.

Explorations in Glass,

S. Donald Stookey, The American Ceramic Society, Westerville, 2000, 75 pp., \$24.00, ISBN 1-57498-124-2.

Fluoroplastics: Vol. 1, Non-Melt Processible Fluoroplastics,

Sina Ebnessajjad, William Andrew Publishing, Norwich, 2000, 450 pp., \$285.00, ISBN 1-884207-84-7.

Gauge Field Theories, 2d ed.,

Paul H. Frampton, John Wiley & Sons, New York, 2000, 343 pp., \$79.95, ISBN 0-471-34783-3.

Glasses for Photonics,

Masayuki Yamane and Yoshiyuki Asahara, Cambridge University Press, Cambridge, 2000, 271 pp., \$90.00, ISBN 0-521-58053-6.

A Guide to Monte Carlo Simulations in Statistical Physics,

David P. Landau and Kurt Binder, Cambridge University Press, Cambridge, 2000, 384 pp., \$100.00, ISBN 0-521-65366-5.

Handbook of Advanced Electronic and Photonic Materials and Devices,

Hari Singh Nalwa, Academic Press, Orlando, 2000, 5000 pp., \$3500.00, ISBN 0-12-513745-1.

Handbook of Analytic Techniques in Concrete,

V.S. Ramachandran and J.J. Beaudoin, William Andrew Publishing, Norwich, 2000, 985 pp., \$225.00, ISBN 0-8155-1437-9.

Handbook of Ceramics Grinding and Polishing, Properties, Processes, Technology, Tools and Typology,

Ioan D. Marinescu, Hans Kurt Tonshoff, and Ichiro Inasaki, William Andrew Publishing, Norwich, 2000, 450 pp., \$145.00, ISBN 0-8155-1424-7.

Handbook of Chemical Vapor Deposition,

Hugh O'Pierson, Noyes Publication, Norwich, 1999, 482 pp., \$139.00, ISBN 0-8155-1432-8.

Handbook of Plasma Immersion Ion Implantation and Deposition,

Andre Anders, ed., John Wiley & Sons, New York, 2000, 736 pp., \$150.00, ISBN 0-471-24698-0.

Handbook of Thermoset Plastics,

Sidney H. Goodman, William Andrew Publishing, Norwich, 1999, 525 pp., \$139.00, ISBN 0-8155-1421-2.

Handbook of Thin Film Devices, Frontiers of Research, Technology, and Applications,

Maurice H. Francombe, Academic Press, Atlanta, 2000, \$1800.00, ISBN 0-12-265320-3.

Handbook of VLSI Lithography: Principles, Technology and Applications, 2d ed.,

John Helbert, Noyes Publications, Norwich, 2000, 700 pp., \$179.00, ISBN 0-8155-1441-1.

Hermeticity of Electronic Packages,

Hal Greenhouse, Noyes Publications, William Andrew Publishing, Norwich, 2000, 400 pp., \$139.00, ISBN 0-8155-1435-6.

Hydrothermal Technology for Crystal Growth,

K. Byrappa, William Andrew Publishing, Norwich, 2000, 525 pp., \$155.00, ISBN 0-8155-1445-X.

Imaging and Image Analysis Applications for Plastics,

Benham Pourdeyhimi, William Andrew Publishing, Norwich, 1999, 308 pp., \$160.00, ISBN 1-884207-81-2.

Interfacial Forces and Fields: Theory and Applications,

Jyh-Ping Hsu, Marcel Dekker, New York, 1999, 680 pp., \$225.00, ISBN 0-8247-1964-6.

Intermetallic Compounds: Basic Mechanical Properties and Lattice Defects of Intermetallic Compounds; Crystal Structures of Intermetallic Compounds; Magnetic, Electrical and Optical Properties and Applications of Intermetallic Compounds;

Magnetic, Electrical and Optical Properties and Applications of Intermetallic Compounds, J.H. Westbrook and R.L. Fleischer, eds., John Wiley & Sons, West Sussex, 2000, \$200.00/4-vol. set, ISBN 0-471-60880-7.

Joining of Plastics: Handbook for Designers and Engineers,

Jordan Rotheliser, Hanser Gardner Publications, Cincinnati, 1999, 535 pp., \$129.00, ISBN 1-56990-253-4.

Laser Cooling and Trapping,

Harold J. Metcalf and Peter van der Straten, Springer-Verlag, New York, 1999, 323 pp., \$69.95, ISBN 0-387-98747-9.

Lasers in Materials Science, R.P. Agarwala, ed., Trans Tech Publications, Enfield, 1999, 324 pp., \$99.50, ISBN 0-87849-826-5.

LIA Handbook of Laser Materials Processing, John F. Ready and Dave F. Farson, Laser Institute of America, Orlando, 600 pp., \$240.00, ISBN 0-912035-15-3.

Magnetic Fields, A Comprehensive Theoretical Treatise for Practical Use, Heinz E. Knoepfel, John Wiley & Sons, New York, 2000, 619 pp., \$125.00, ISBN 0-471-32205-9.

Managing Science: Management for R&D Laboratories, Claude Geles, Gilles Lindecker, Mel Month, and Christian Roche, John Wiley & Sons, New York, 2000, 359 pp., \$79.95, ISBN 0-471-18508-6.

Mechanical Response of Polymers: An Introduction, Alan S. Wineman and K.R. Rajagopal, Cambridge University Press, Cambridge, 2000, 317 pp., \$120.00, ISBN 0-521-64409-7.

Mechatronic Systems Techniques and Applications: Vol. 1, Industrial Manufacturing, Cornelius T. Leondes, Gordon & Breach Science Publishers, Amsterdam, 2000, 416 pp., \$139.00, ISBN 90-5699-670-3; **Vol. 2, Transportation and Vehicular Systems**, Cornelius T. Leondes, Gordon & Breach Science Publishers, Amsterdam, 2000, 410 pp., \$139.00, ISBN 90-5699-672-X.

Mesoscopic Quantum Optics, Yoshihisa Yamamoto and Atac Imamoglu, John Wiley & Sons, New York, 1999, 301 pp., \$79.95, ISBN 0-471-14874-1.

Metalocene Technology in Commercial Applications, George M. Benedikt, William Andrew Publishing, Norwich, 1999, 325 pp., \$160.00, ISBN 1-884207-76-6.

Mold Shrinkage and Warpage Handbook, Clive Maier, William Andrew Publishing, Norwich, 2000, 400 pp., \$285.00, ISBN 1-884207-72-3.

National Trade and Professional Associations of the United States, Buck Downs, Sarah E. White, Andrew G. Wood, and Nkosi O. Yearwood, Columbia Books Inc., Washington DC, 1999, 827 pp., \$99.00, ISBN 1-880873-33-8.

New Carbons—Control of Structure and Functions, Michio Inagaki, Elsevier Science,

Amsterdam, 2000, 240 pp., \$102.00, ISBN 0-08-043713-3.

Nonlinear Interactions, Ali H. Nayfeh, John Wiley & Sons, New York, 2000, 760 pp., \$110.00, ISBN 0-471-17591-9.

Optoelectronic Properties of Semiconductors and Superlattices, E. Herbert Li, Gordon & Breach Science Publishers, Amsterdam, 2000, 695 pp., \$110.00, ISBN 90-5699-689-4.

Paint and Surface Coatings, 2d ed., R. Lambourne and T.A. Strivens, William Andrew Publishing, Norwich, 1999, 950 pp., \$285.00, ISBN 1-884207-73-1.

Perturbation Methods, Ali Hasan Nayfeh, John Wiley & Sons, New York, 1973, 425 pp., \$59.95, ISBN 0-471-39917-5.

The Physics and Chemistry of Wave Packets, A. Yeazell and Turgay Uzer, eds., John Wiley & Sons, New York, 2000, 341 pp., \$89.95, ISBN 0-471-24684-0.

Physics for Radiation Protection, James E. Martin, John Wiley & Sons, New York, 2000, 713 pp., \$150.00, ISBN 0-471-35373-6.

Processing of Wide Band Gap Semiconductors, Stephen J. Pearton, Noyes Publications, Norwich, 2000, 500 pp., \$145.00, ISBN 0-8155-1439-5.

Properties, Processing and Applications of Indium Phosphide, T.P. Pearsall, ed., The Institution of Electrical Engineers, London, 2000, 279 pp., \$175.00, ISBN 0-85296-949-X.

Rheology in Plastics Quality Control, John M. Dealy and Peter C. Saucier, Hanser Gardner Publications, Cincinnati, 2000, 140 pp., \$78.00, ISBN 1-56990-286-0.

Rheology Modifiers Handbook, David B. Braun and Meyer R. Rosen, William Andrew Publishing, Norwich, 2000, 514 pp., \$285.00, ISBN 0-8155-1441-7.

Rotational Molding Technology, James L. Throne and Roy J. Crawford, William Andrew Publishing, Norwich, 2000, 315 pp., \$160.00, ISBN 1-884207-85-5.

The Rubber Formulary, Peter A. Ciullo and Norman Hewitt, William Andrew Publishing, Norwich, 1999, 743 pp., \$285.00, ISBN 0-8155-1434-4.

Science and Engineering of Droplets, Huimin

Liu, William Andrew Publishing, Norwich, 2000, 225 pp., \$139.00, ISBN 0-8155-1436-0.

Soft and Fragile Matter: Nonequilibrium Dynamics, Metastability and Flow, M.E. Cates and M.R. Evans, eds., The Scottish Universities Summer School in Physics and Institute of Physics Publishing, Bristol and Philadelphia, 2000, 393 pp., \$57.00, ISBN 0-7503-0724-2.

Statistical Optics, Joseph W. Goodman, John Wiley & Sons, New York, 1985, 550 pp., \$59.95, ISBN 0-471-39916-7.

Sub-Half-Micron Lithography for ULSIs, Katsumi Suzuki, Shinji Matsui, and Yukinori Ochiai, eds., Cambridge University Press, Cambridge, 2000, 323 pp., \$110.00, ISBN 0-521-57080-8.

Supramolecular Polymers, Alberto Ciferri, Marcel Dekker, New York, 682 pp., \$195.00, ISBN 0-8247-0252-2.

Surfactants: A Practical Handbook, K. Robert Lange, ed., Hanser Gardner Publications, Cincinnati, 1999, 237 pp., \$79.00, ISBN 1-56990-270-4.

Systems and Control Dictionary, P. Borne, N. Quayle, O. Borne, and M. Singh, T. Editions Technip, Paris, 1998, 528 pp., \$129.58, ISBN 2-7108-0731-9.

Texture Analysis, Macrotexture, Microtexture and Orientation Mapping, Valerie Randle and Olaf Engler, Gordon & Breach Science Publishers, Amsterdam, 2000, 388 pp., \$95.00, ISBN 90-5699-224-4.

Understanding Thermoplastic Elastomers, Geoffrey Holden, Hanser Gardner Publications, Cincinnati, 2000, 110 pp., \$34.95, ISBN 1-56990-289-5.

Water-Based Paint Formulations, Vol. 4, Ernest W. Flick, William Andrew Publishing, Norwich, 1998, 252 pp., \$109.00, ISBN 0-8155-1415-8.

Weathering of Plastics, Testing to Mirror Real Life Performances, George Wypych, William Andrew Publishing, Norwich, 2000, 325 pp., \$160.00, ISBN 1-884207-75-8.

Wettability at High Temperatures, N. Eustathopoulos, M.G. Nicholas, and B. Drevet, Elsevier Science Review, Amsterdam, 1999, 437 pp., \$167.90, ISBN 0-08-04146-6. □

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