Rapid Thermal Processing—Science and Technology, R.B. Fair, ed. Academic Press, San Diego, 1993. 430 pp, *hc,* ISBN 0-12-247690-5.

Semiconductors for Solar Cells, H.J. Möller. Artech House, Norwood, Massachusetts, 1993. 343 pp, *hc,* ISBN 0-89006-574-8.

Sintering, *Advances in Powder Metallurgy & Particulate Materials—1992,* Volume 3, compiled by J.M. Capus and R.M. German. Metal Powder Industries Federation, Princeton, New Jersey, 1992. 441 pp, $120.00 *hc,* ISBN 1-878954-22-9.

Soft Magnetism: Fundamentals for Powder Metallurgy and Metal Injection Molding, *Monograph in P/M Series No. 2,* C. Lall. Metal Powder Industries Federation, Princeton, New Jersey, 1992. 141 pp, $60.00 *pb,* ISBN 1-878954-17-2.

Systematic Analysis of Bipolar and MOS Transistors, U. Çilingiroğlu. Artech House, Norwood, Massachusetts, 1993. 235 pp, *hc,* ISBN 0-89006-625-6.

Temperature: Its Measurement and Control in Science and Industry, *Volume Six, Part Two,* J.F. Schooley, ed. American Institute of Physics, New York, 1992. 615 pp, *hc,* ISBN 1-56396-092-3 (Part Two); ISBN 1-56396-093-1 (set).

Tissue-Inducing Biomaterials, *Materials Research Society Symposium Proceedings, Volume 252,* L.G. Cima and E.S. Ron, eds. Materials Research Society, Pittsburgh, PA, 1992. 407 pp, $52.00 MRS members, $60.00 U.S. list, $70.00 foreign, *hc,* ISBN 1-55899-146-8.

Tungsten & Tungsten Alloys—1992, *Proceedings of the International Conference on Tungsten and Tungsten Alloys, November 15–18, 1992, Arlington, Virginia.* A. Bose and R.J. Dowding, eds. Metal Powder Industries Federation, Princeton, New Jersey, 1993. 520 pp, $145.00 *pb,* ISBN 1-878954-30-X.

Underwater Scattering and Radiation, *Physical Acoustics, Volume XXII,* A.D. Pierce and R.N. Thurston, eds. Academic Press, San Diego, 1993. 384 pp, *hc,* ISBN 0-12-477922-0.

Vacuum Technology and Space Simulation, *American Vacuum Society Classics,* D.H. Holkeboer, D.W. Jones, F. Pagano, and D.J. Santeler. American Institute of Physics, New York, 1993. 339 pp, *pb,* ISBN 1-56396-123-7.

Wide Band-Gap Semiconductors, *Materials Research Society Symposium Proceedings, Volume 242,* T.D. Moustakas, J.I. Pankove, and Y. Hamakawa, eds. Materials Research Society, Pittsburgh, PA, 1992. 789 pp, $53.00 MRS members, $60.00 U.S. list, $70.00 foreign, *hc,* ISBN 1-55899-136-0.

XRF Analysis of Ceramics, Minerals and Allied Materials, H. Bennett and G.J. Oliver. John Wiley & Sons, United Kingdom, 1992. 298 pp, *hc,* ISBN 0-471-93457-7.

New Journals

Advanced Cement Based Materials (published in affiliation with the American Concrete Institute), Surendra P. Shah and J. Francis Young, eds. Elsevier Journal Customer Service Department, (212) 633-3950; fax (212) 633-3990. Bimonthly; first issue: October 1993. Subscription rates: Institutional—$215.00, personal—$107.00.

Intermetallics, R.W. Cahn, C.T. Liu, G. Sauthoff, and M. Yamaguchi, eds. Elsevier Journal Customer Service Department, (212) 633-3950; fax (212) 633-3990. Quarterly; first issue: May 1993. Subscription rates: £154.00/US$246.00.

International Journal of Self-Propagating High-Temperature Synthesis, A.B. Merzhanov, V.V. Barzykin, M. Koizumi, and R.M. Spriggs, eds. Allerton Press, (212) 924-3950; fax (212) 463-9684. Quarterly; first issue: September 1992. Subscription rates: Institutional, North America—$325.00; foreign, add $40.00. Individual, North America—$95.00; foreign, add $15.00.

Laser Physics, A.M. Prokhorov, ed. SPIE, (206) 676-3290; fax (206) 647-1445. Bimonthly. To receive an annual subscription, contact Interperiodica Subscription Office, P.O. Box 1831, Birmingham, AL 35201-1831. Subscription rates: Library, North America—$400, outside North America—$436; individual SPIE members, North America—$320, outside North America—$349.

Materials Science & Engineering C—Biomimetic Materials, Sensors and Systems, D. De Rossi, P. Calvert, and T. Tateishi, eds. Elsevier Sequoia, P.O. Box 564, CH-1001 Lausanne, Switzerland, 41-21-20-73-81: fax 41-21-23-54-44. Three issues/year; first issue: spring 1993. Subscription rate: SFr 303.00 including postage to most countries.

Polymer Gels and Networks, T. Tanaka, Y. Osada, S.B. Ross-Murphy, and R.A. Siegel, eds. Elsevier Journal Information Center, (212) 989-5800. Quarterly; first issue: May 1993. Subscription rates: £120.00/US$211.00. □

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