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Literature

27.1 Books

THE BOOKS LISTED BELOW COVER THE FIELD OF METALLOGRAPHIC/ materialographic preparation and examination. They are intended as a supplement to this book and should not be considered as a complete list of books on these subjects.

- Amelinckx, S., Van Dyck, D., Van Landuyt, J., and Van Tendeloo, G., *Handbook of Microscopy: Applications in Materials Science, Solid-State Physics, and Chemistry*, Wiley-VCH, New York, N.Y., USA, 1997.
- Beraha, E. and Shipgler, B., *Color Metallography*, ASM Materials Park, Ohio, USA, 1977.
- Bjerregaard, L., Geels, K., Ottesen, B., and Rückert, M., *Metalog Guide*, Struers A/S, Copenhagen, Denmark, 2000.
- Bousfield, B., *Surface Preparation and Microscopy of Materials*, John Wiley & Sons, Chichester, UK, 1992.
- Bramfitt, B. L. and Benschoter, A. O., *Metallographer's Guide—Practices and Procedures for Iron and Steels*, ASM International, Metals Park, Ohio, USA, 2001.
- Burgess, D. and Blanchard, R. A., *Wafer Failure Analysis for Yield Enhancement*, Accelerated Analysis, Half Moon Bay, California, USA, 2001.
- Bühler, H. E. and Hougardy, H. P., *Atlas of Interference Layer Metallography*, Deutsche Gesellschaft für Metallkunde, Oberursel, Germany, 1980.
- Durand-Charre, M., *Microstructure of Steels and Cast Irons*, Springer-Verlag New York, Inc., New York, NY, USA, 2004.
- Durand-Charre, M. and Durand-Charre, M., *Microstructure of Superalloys*, Taylor & Francis, Inc., Philadelphia, PA, USA, 1998.
- Elssner, G., Hoven, H., Kiessler, G., and Wellner, P., *Ceramics and Ceramic Composites: Materialographic Preparation*, Elsevier Science, Inc., New York, NY, USA, 1999.
- Freund, J. E., *Statistics: a First Course*, 2nd ed., Prentice Hall, Englewood Cliffs, New Jersey, USA, 1970.
- Friel, J. J., et al., *Practical Guide to Image Analysis*, ASM International, Materials Park, Ohio, USA, 2000.
- Handbook of Thermal Spray Technology*, ASM International, Materials Park, Ohio, USA, 2004.
- Higginson, R. L. and Sellars, C. M., *Worked Examples in Quantitative Metallography*, Maney Publishing, Cambridge MA, USA, 2003.
- Inoue, S. and Spring, K. R., *Video Microscopy*, Plenum Press, New York, NY, USA, 1997.
- Kapitzka, H. G., *Microscopy from the Very Beginning*, Carl Zeiss, Jena, Germany, 1994.
- Metals Handbook, Metallography and Microstructures*, Vol. 9, ASM International, Materials Park, Ohio, USA, 2004.
- Petzow, G., *Metallographic Etching*, ASM International, Materials Park, Ohio, USA, 1999.
- Ross, Boit, and Staab, (edit.), *Microelectronics Failure Analysis*, ASM International, Materials Park, Ohio, USA, 1999.
- Rostoker, W. and Dvorak, J. R., *Interpretation of Metallographic Structures*, Elsevier Science, Inc., New York, NY, USA, 1990.
- Russ, J. C., *The Image Processing Handbook*, 3rd ed., CRC Press, Boca Raton, FL, USA, 1998.
- Samuels, L. E., *Metallographic Polishing by Mechanical Methods*, ASM International, Materials Park, Ohio, USA, 2003.
- Schumann, H. and Oettel, H., *Metallografie*, Wiley-VCH Verlag, Weinheim, Germany, 2004 (In German).
- Tegart, Mc.G., *The Electrolytic and Chemical Polishing of Metals in Research and Industry*, Pergamon Press, London, UK, 1959.
- Tomer, A., *Structure of Metals through Optical Microscopy*, ASM International, Materials Park, Ohio, USA, 1990.
- Underwood, E. E., *Quantitative Stereology*, Addison-Wesley Publishing Company, Reading, MA, USA, 1970.

- Vander Voort, G. V., *Metallography Principles and Practice*, ASM International, Materials Park, Ohio, USA, 1999.
- Waschull, H., *Präparative Metallographie*, Wiley-VCH Verlag, Weinheim, Germany, 1993 (In German).
- Weck, E. and Leistner, E., *Metallographic Instructions for Colour Etching by Immersion*, Part I (1982), II (1983), III (1986), Deutscher Verlag für Schweisstechnik GmbH, Düsseldorf, Germany.

27.2 Periodicals

THE PERIODICALS STATED IN THIS LIST COVER THE FIELD OF METALLOGRAPHIC/materialographic preparation and interpretation, but it should not be considered a complete list of all periodicals covering these subjects.

- Advanced Functional Materials*, English/18 issues yearly, Wiley-VCH, P.O. Box 191161, D-69451, Weinheim, Germany.
- Advanced Materials*, English/24 issues yearly, Wiley-VCH, P.O. Box 191161, D-69451, Weinheim, Germany.
- Advanced Materials and Processes*, English/monthly, ASM International, Materials Park, OH 44073, USA.
- Advanced Engineering Materials*, English/monthly, Wiley-VCH, P.O. Box 191161, D-69451, Weinheim, Germany.
- Alloy Digest*, English/bimonthly, ASM International, Materials Park, OH 44073, USA.
- Electronic Device Failure Analysis*, English/quarterly, ASM International, Materials Park, OH 44073, USA.
- International Materials Reviews*, English/bimonthly, ASM International, Materials Park, OH 44073, USA.
- JOM*, English/monthly, TMS (The Minerals, Metals and Materials Society), 184 Thorn Hill Road, Warrendale, PA 15086, USA.
- Journal of Electronic Materials*, English/monthly, TMS (The Minerals, Metals and Materials Society), 184 Thorn Hill Road, Warrendale, PA 15086, USA.
- Journal of Failure Analysis and Prevention*, English/bimonthly, ASM International, Materials Park, OH 44073, USA.
- Journal of Materials Engineering and Performance*, English/bimonthly, ASM International, Materials Park, OH 44073, USA.
- Journal of Phase Equilibria and Diffusion*, English/bimonthly, ASM International, Materials Park, OH 44073, USA.
- Journal of the American Ceramic Society*, English/monthly, American Ceramic Society, P.O. Box 6136, Westerville, OH 43086-6136, USA.
- Journal of Thermal Spray Technology*, English/quarterly, ASM International, Materials Park, OH 44073, USA.
- Materials Characterization*, English/10 issues yearly, Elsevier Science Publishing Co. Inc., 655 Avenue of the Americas, New York, NY 10010, USA.
- Metallurgical and Materials Transactions A*, English/bimonthly, ASM International, Materials Park, OH 44073, USA.
- Metallurgical and Materials Transactions B*, English/bimonthly, ASM International, Materials Park, OH 44073, USA.
- Praktische Metallographie/Practical Metallography*, bilingual, German/English/monthly, Carl Hanser Verlag, Kolbergstrasse 22, 81679 München, Germany.
- SlipLines*, newsletter, English/quarterly, IMS (International Metallographic Society), ASM International, Materials Park, OH 44073, USA.
- Structure*, English/German/French editions, twice a year, Struers A/S, Pederstrupvej 84, 2750 Ballerup, Denmark.
- Welding Journal*, English/monthly, AWS (American Welding Society), 550 N.W. LeJeune Road, Miami, FL 33126, USA.

Appendixes

Appendix I: Other Standards on Metallography/ Materialography

A NUMBER OF STANDARDS, OTHER THAN ASTM, COVERING METALLOGRAPHY/materialography from ISO (International Standard Organization) and a number of important industrial countries are listed below. The list is not complete.

ISO standards/National standards: The national standards, which are local versions of ISO standards, are not indicated below.

CEN (European Committee for Standardization) is involved in European Stan-