

References

- 1- R. Honeycombe and H. K. D.H. Bhadeshia "Steels Microstructure and Properties", Second edition, Edward Arnold, London (1995).
- 2- J. Janovec and A. Vyrostkova, J.Mater. Sci., 27, (1992), 6564.
- 3- R. C. Thomson and M. K. Miller, Acta mater., 46, (1998), 2203.
- 4- V. Singh "Physical metallurgy", Standard Publishers Distributors, Delhi (2002).
- 5- Y. Tomita, Mater. Sci.Tech., 11, (1995), 508.
- 6- F. Zia-Ebrahimi and G. Krauss, Metall.Trans. A, 14, (1983), 1109.
- 7- C. R. Brooks "Principles of the Heat Treatment of Plain Carbon and Low Alloy steels", ASM International, Ohio (1996).
- 8- T. V. Rajan, C. P. Sharma, and Ashok Sharma, "Heat Treatment Principles and Techniques", Prentice-Hall of India private limited, New Delhi, (1998).
- 9- K. E. Thelning, "Steel and its Heat Treatment", second edition, Butterworths, London (1984).
- 10- G. F. Vander Voort "Atlas of Time-Temperature Diagrams for Irons and Steels", ASM International, (1991).
- 11- G. E.Totten and M. A. H. Howes "Steel Heat Treatment Handbook", Marcel Dekker, Inc., New York (1997).
- 12- William D. Callister, Jr. "Materials Science and Engineering" third edition, John Wiley and Sons.Inc., New York (1994).
- 13- D. J. Davies and L. A. Oelmann "The Structure, Properties and Heat Treatment of Metals", Pitman, London (1983).
- 14- P. M. unterweiser, H. E. Boyar, and J. J. Kubbs "Heat Treater's Guide Standard Practices and Procedures for Steel", ASM, Ohio (1982).
- 15- K. H. Prabhudev, "Handbook of Heat Treatment of Steels"3rd edition, Tata McGraw-Hill publishing Company limited, New Delhi (1995).

- 16- M. R. Suresh, I. Samajar, A. Ingle, N. B. Ballal, P. K. Rao, and P. P. Sinha, *Ironmaking Steelmaking*, 30, (2003), 379.
- 17- W. S. Lee and T. T. Su, *J. Mater. Process. Tech.*, 87, (1999), 198.
- 18- W. J. Nam, D. S. Kim, and S. T. Ahn, *J. Mater. Sci.*, 38, (2003), 3611.
- 19- M. Gojic, L. Kosec, and P. Matkovic, *J. Mater. Sci.*, 33, (1998), 395.
- 20- W. J. Nam and H. C. Choi, *Mater. Sci. Tech.*, 15, (1999), 527.
- 21- W. J. Nam, and H. C. Choi, *Mater. Sci. Tech.*, 13, (1997), 568.
- 22- ASM International Handbook Committee, "Metals Handbook", tenth edition, vol.1, ASM international,(1990).
- 23- A. Gulyaev, "Physical Metallurgy", volume2, Mir Publishers, Moscow (1980).
- 24- A. K. Sinha, "Physical Metallurgy Handbook", McGraw-Hill Co., Inc., New York (2003).
- 25- S. Raoul, B. Marini, and A. Pineau, *J. Nuclear Mater.*, 257, (1998), 199.
- 26- K. B. Lee, S. H. Yoon, and H. Kwon, *Scripta Metall. Mater.*, 30, (1995), 1111.
- 27- G. Thomas, *Metall. Trans.A*, 9, (1978), 439.
- 28- H. Kwon and C. H. Kim, *Metall. Trans.A*, 14, (1983), 1389.
- 29- R. M. Horn and R. O. Ritchie, *Metall. Trans.A*, 9, (1978), 1039.
- 30- H. K. D. H. Bhadeshia and D. V. Edmonds, *Met. Sci.*, 13, (1979), 325.
- 31- J. A. Peters, J. V. Bee, B. Kolk, and G. G. Garrett, *Acta Metall.*, 37, (1989), 675.
- 32- C. L. Briant and S. K. Banerji, *Metall. Trans.A*, 13, (1982), 827.
- 33- C. L. Briant and S. K. Banerji, *Scripta Metall.*, 13, (1979), 813.
- 34- H. Kwon and C. H. Kim, *Metall. Trans.A*, 15, (1984), 393.
- 35- M. Sarikaya, A. K. Jhingan, and G. Thomas, *Metall. Trans. A*, 14, (1983), 1121.

- 36- A. E. A. Amer, M. Sc. Thesis, faculty of engineering, Cairo University, Giza, Egypt (2001).
- 37- M. Militzer and J. Wieting, *Acta Metall.*, 37, (1989), 2585.
- 38- G. A. Chadwick and D. A. Smith, "Grain Boundary Structure and Properties", Academic press inc. Ltd, London (1976).
- 39- A. V. Nickolaeva, Y. A. Nikolaev, and Y. R. Kevorkyan, *Atomic Energy*, 91, (2001), 534.
- 40- J. P. Materkowski and G. Krauss, *Metall. Trans.A*, 10, (1979), 1643.
- 41- C. L. Briant and S. K. Banerji, *Metall. Trans.A*, 10, (1979), 1729.
- 42- S. Suzuki, M. Tanino, and Y. Waseda, *ISIJ int.*, 42, (2002), 676.
- 43- M. A. Islam, M. Novovic, P. Bowen, and J. K. Knott, *J. Mater. Eng. Perform.*, 12, (2003), 244.
- 44- S. A. Elgazaly, Y. Shash, M. K. Sami, and M. Abbas, *Steel Res.*, 64, (1993), 517.
- 45- A. J. Papworth, D. B. Knorr, and D.B. Williams, *Scripta Mater.*, 48, (2003), 1301.
- 46- H. Kwon and C. H. Kim, *Metall. Trans.A*, 17, (1986), 745.
- 47- K. S. Lee, H. Kwon, Y. C. Lee, J. H. Lee, and N. D. Cho, *J. Mater. Sci.*, 22, (1987), 4215.
- 48- K. B. Lee, S. H. Yoon, and H. Kwon, *Scripta Metall. Mater.*, 30, (1994), 1111.
- 49- R. Möller, H. Erhart, and H. J. Grabke, *Archs Eisenhütt.*, 55, (1984), 543.
- 50- M. P. Seah, *Acta Metall.*, 28, (1980), 955.
- 51- W. C. Leslie, "The Physical Metallurgy of Steels", Hemisphere Publishing Corporation, Washington (1981).
- 52- B. L. Gabriel, "SEM: Auser's Manual for Materials Science", ASM, Ohio (1985).

- 53- R. W. K. Honeycombe, in conference proceedings: Low-alloyed steels, the Iron and Steel Institute, London, (1968), 65.
- 54- G. Krauss "Steels Heat treatment and processing principles"ASM international, Ohio (1990).
- 55- D. T. Llewellyn, "Steels: Metallurgy and Applications", Butterworth-Heinemann, Ltd., Oxford (1992).
- 56- P. H. Dumoulin, M. Guttman, M. Foucault, M. Pahnier, M. Wayman, and M. Bisonoi, Met. Sci., 14, (1980), 1.
- 57- R. A. Higgins, "Engineering Metallurgy", sixth edition, Edward Arnold, London (1983).
- 58- M. A. Grossman and E. C. Bain, "Principles of heat treatment", ASM, Ohio (1964).
- 59- S. K. Banerji, C. J. McMahon, Jr., and H. C. Feng, Metall. Trans. A, 9, (1978), 273.
- 60- C. L. Briant and S. K. Banerji, Metall. Trans. A, 10, (1979), 123.
- 61- Xiaoyu Ma, A. O. Humphreys, J. Nemes, M. Hone, N. Nickolopoulos, and J. J. Jonas, ISIJ int., 44, (2004), 905.