

- (1) Narasimhan KS. Sintering of powder mixtures and the growth of ferrous powder metallurgy. *Mater Chem Phys* 2001; 67: 56-65.
- (2) R. Grange, Strengthening by austenite grain refinement, *Trans. Am. Soc. Met.* 1 (1966) 26-29.
- (3) S. Mahajan, et al., Grain refinement of steel cyclic rapid heating, *Metallography* 6 (1973) 337-345.
- (4) A. Anashkin, et al., Heat cycling of carbon steel wire, *Met. Sci. Heat Treat. Met.* 2 (1987) 10-14.
- (5) V. Fedyukin, Thermal Cycling Treatment of Steels and Cast Irons, Leningrad State University, Leningrad, 1984.
- (6) T. Koppehaal, A thermal processing for TRIP steel, *Metall. Trans.* 3 (1972) 1549-1554
- (7) E. Konopleva, Thermal cycling treatment of low carbon steel with hardening from intercritical temperature range, *Met. Sci. Heat Treat. Met.* 8 (1989) 617-621.
- (8) B. Smoljan, Strengthening of the steel by some thermal cycling treatment, in: R. Cebalo (Ed.), *Proceedings of the conference on Advanced Trends in Manufacturing*, Zagreb, 1992, pp. A95-A102.
- (9) B. Smoljan, An analysis of combined cyclic heat treatment performance, *Journal of materials processing technology* 155-156 (2004) 1704-1707.
- (10) A. Rose, et al., *Atlas zur Warmebehandlung der Stähle I*, Verlag Stahlesen, Dusseldorf, 1958.
- (11) Y. Gaponov, et al., Influence of thermal cycling treatment to the critical points of steel, *Met. Sci. Heat Treat. Met.* 7 1988 493-501.

- (12) El-Sesy IA, El-Baradie ZM. Influence carbon and/or iron carbide on the structure and properties of dual-phase steels. *Mater Lett* 2002; 57(3) 580-5
- (13) Ahn YS, Kim HD, Byun TS, Oh YJ, Kim GM, Hong HJ. Application of intercritical heat treatment to improve toughness of SA 508 Cl.3 reactor pressure vessel steel. *Nucl Eng Design* 1999; 194(2-3):61-77
- (14) Bayram A, Uguz A, Ula M. Effects of microstructure and notches on the mechanical properties of dualphases steels. *Mater Characterization* 1999; 43(4):259-69.
- (15) Kim N, Nagawa AH. Effective grain size of dualphase steel. *Mater Sci Eng A* 1986;83:145-9
- (16) Kim KJ, Lee CG, Lee S. Effects of martensite morphology on dynamic torsional behaviour in dual phase steels. *Scripta Mater* 1997;38(1)27-32.
- (17) L. Ambrosini, S. Bahadur. Erosion of AISI 4140 steel. *Wear*, V.117, Issue 1, 1987: 37-48.
- (18) T.V Venkatasubramanian, T.J. Baker, *Metall. Trans.* 11A(1980)200.
- (19) T.V Venkatasubramanian, T.J. Baker, *Metall. Trans.* 14A (1983) 1921.
- (20) W.P. Lee, Proceedings of the International Workshop on the Innovative Structural Materials for Infrastructure in 21st Century, Tsukuba, Japan 2000.1.12-13, pp33-36.
- (21) Y. Tomita, T. Okawa, *Mater. Sci. Tech.* 11 (3) 1995,245.
- (22) Y. Tomita, *Mater. Sci. Tech.* 11 (3) 1995,59.
- (23) D. Y. Liu, H. S. Fang, Y. T. Chen, et al., *Heat Treat. Met.* 10 (2000) 1-5.
- (24) H. S. Fang, D. Y. Liu, K. D. Chang, et al., *J. Iron Steels Res.* 13 (3) (2001) 31-36.
- (25) P. Frodl, A. Randak, R. Vetter, Properties of unalloyed and microalloyed structural alloy steels after controlled working and cooling, *Harterei Techn. Mitt.* 29 (1974) 169-174.

- (26)S. Engineer, H. Gulden, H. W. Klein, V. Schuler, Entwicklung von mikrolegierten erlitischen Edelbaustählen mit verbesserten Zähigkeitseigenschaften. Information Day on Microalloyed Engineering Steels, Comission of the European Communities, VDEh, Dusseldorf, 1988, 11pp.
- (27)T. D. Davies, N. J. Hurd, P. E. Irving, D. Whittaker, in: G. Krauss, S.k. Banerji (Eds), Fatigue and Machinability Performance of Air Cooled Forging Steels, Fundamentals of Microalloying Forging Steels, Golden, CO, 1986, pp. 435-460.
- (28)V. Ollilainen, W. Kasprzak, L. Holappa. The Effect of silicon, vanadium and nitrogen on the microstructure and hardness of air cooled medium carbon low alloy steels. Journal of Mater. Proc. Tech. 134 (2005) 405-412.
- (29)J. H. Holloman, Trans, ASM, 36, 1946,p.173.
- (30)B. C. Woodfine, JISI, 173, 1953, P.229.
- (31)J. R. Low, Jr., Fracture of Engineering Materials, ASM, Metals Park, Ohio, 1964, p.127.
- (32)C. J. McMahon, Jr., ASTM STP 407, 1968, P.127.
- (33)D. Kalderon, Proc. Inst. Mech. Eng., 186,1972, p.341.
- (34)K. Balajiva, R. M. Cook, and D. K. Worn, Nature, 178,1956, p.433.
- (35)W. Steven and K. Balajiva, JISI,193,1959,p.141.
- (36)J. M. Capus, ASTM STP 407, 1968, p.3.
- (37)J. R. Low, Jr., D. F. Stein, A.M. Turkalo and R. P. Laforce, Trans Met Soc, AIME, 242, 1968, p.14.
- (38)H. L. Marcus and P. W. Palmberg, Trans Met Soc, AIME, 245,1969, p.1665.
- (39)H. L. Marcus and L. H. Hackett, Jr., and P. W. Palmberg, ASTM STP 499, 1972, p.90.
- (40)D. F. Stein, A. Joshi and R. P. Laforce, Trans, ASM 62, 1969, p.776.
- (41)M. Militzer, J. Wieting, Acta Metall 1989; 37(10):2585.

- (42)Y. Weng, CJ McMahon Jr, Mat Sci Tech 1987;3:207.
- (43)JE Wettig, A. Joshi, Met Trans A 1990;21A:2817.
- (44)N. Bandyopadhyay, CI Briant, EL Hall, Met Trans A 1985;16A:721.
- (45)RDK Misra, Acta Metall 1996;44(11):4367.
- (46)CJ McMahon Jr, AK Cianelli, HC Feng, Met Trans A 1977;8A:1055.
- (47)Z. Qu, CJ McMahon Jr, Met Trans A 1983; 14A:1101.
- (48)V.V. Zabil'skii, Metal Sci Heat Treat 1987; 29(1):32.
- (49)G. Pienaar, Mat Sci Tech 1986; 2:1051.
- (50)AJ Papworth, DB Williams, Microsc Microanal, Proc 2000;6:348.
- (51)AJ Papworth, DB Williams, Scripta Materialia 2000; 42:627.
- (52)AJ Papworth, DB Williams, Scripta Materialia 2000; 42:1107.
- (53)W. F. Brown, Jr, Trans., ASM, 42, 1950, p.452.
- (54)M. A. Grossman, Trans., AIME, 167, 1946, p.39.
- (55)B. S. Lement, B. L. Averbach, and M. Cohen, Trans., ASM, 48, 1956, p.86.
- (56)J. M. Capus and G. Mayer, Metallurgia, 62, 1960, p.133.
- (57)C. H. Shin, B. L. Averbach and M. Cohen, Trans., ASM, 48, 1956, p.86.
- (58)G. Thomas, Metall. Trans. 9A 1978: 439.
- (59)R.M. Horn, R.O. Ritchie, Metall. Trans. 9A 1978:1039.
- (60)H.K.D.H. Bhadeshia, D.V. Edmonds, Met Sci 13 1979:325.
- (61)J.A. Peters, J.V. Bee, B. Kolk, et al. Acta Metall 37 1989:675.

- (62)C.L. Briant, S.K. Banerji, Metall Trans 12A 1981:309.
- (63)D. Liu, B. Bai, H. Fang, W. Zhang, J. Gu, K. Chang, Materials Science and Engineering A 371 2004:40-44.
- (64)R. W. Hertzberg, Deformation and Fracture Mechanics of Engineering Materials, USA, Wiley, 1976.
- (65)C. Benedicks , H. Lofguist, Non Metallic Inclusions in Iron and Steel, London, Chapman and Hall, 1930.
- (66)R. Castro, A. Portevin, Sur La Morphologie des Inclusions des produits sidérurgiques, Paris, Ed. de La Revue Métallurgie, 1937.
- (67)R. Kiessling, Non Metallic inclusions in steel, Iron and Steel Institute, London, 1968.
- (68)A. V. de Seabra e M. M. R. Salta, Inclusões não Metálicas em Aços e Ferros Fundidos, Laboratório Nacional de Engenharia Civil, Lisboa, 1982.
- (69)GKSS Test Procedure for Determination the Fracture Behaviour of Materials, Geesthacht, 2002.
- (70)W. D. Callister, An Introduction of Materials Science and Engineering, Willey, New York, 2005.
- (71)American Society for Testing and Materials E370. Standard Test Methods for Tension Testing of Metallic Materials, USA.
- (72)American Society for Testing and Materials E23-05. Standard Test Methods for Notched Bar Impact Testing of Metallic Materials, USA.