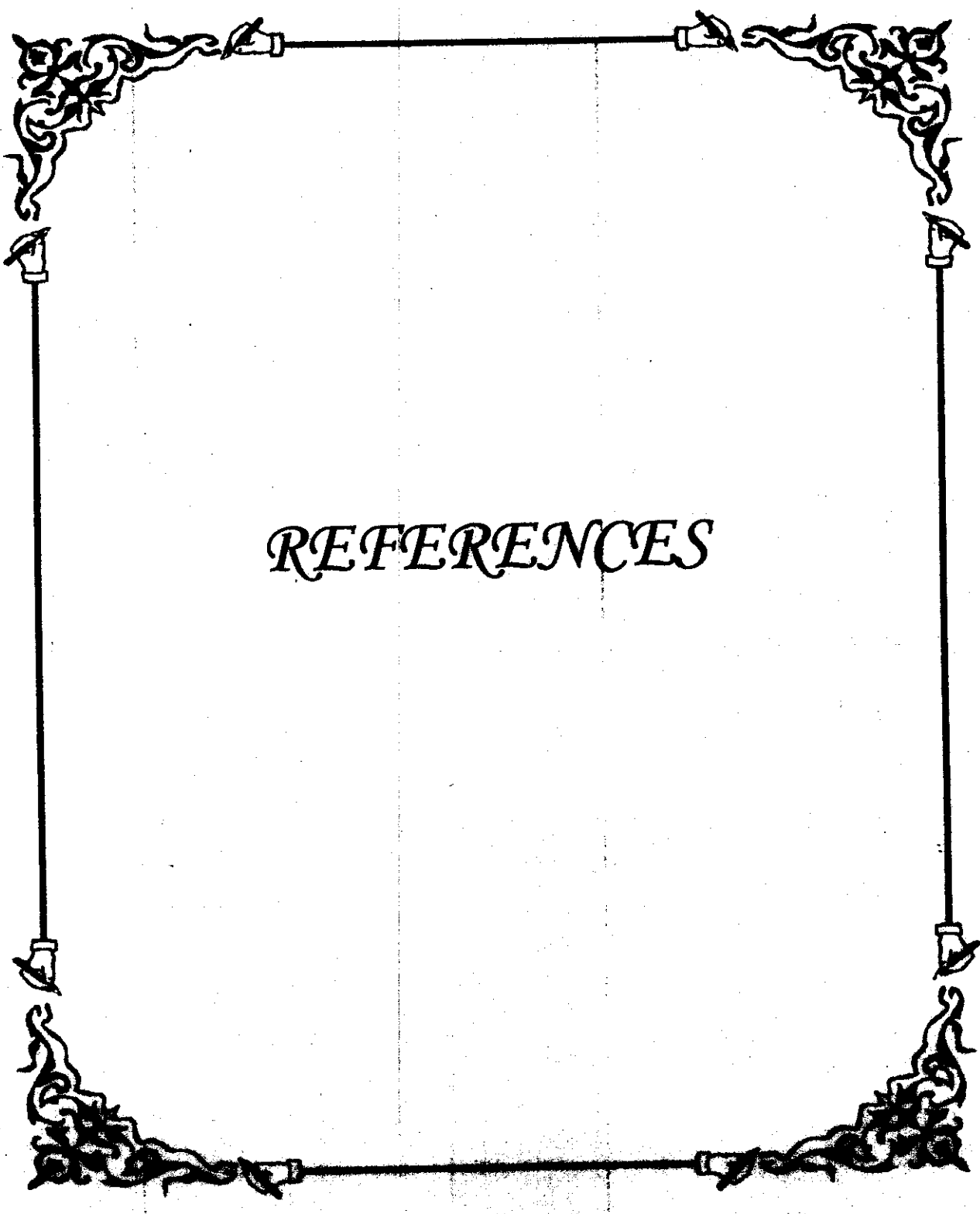




REFERENCES

Reference

- (1) Annual report of CECRT R&D activities; (1995-96).
- (2) K. S. Rojagopalan; CECRI, Golden Jubilee souvenir; 29, (1998).
- (3) Process Industries Corrosion; NACE, Houston, Tx, (1975).
- (4) K. R. Trethewey and John Chamberlain; Corrosion for Science and Engineering; second edition, Longman Singapore Publishers, (1996), (Singapore).
- (5) A. Philip Schweitzer; "What Every Engineer Should Know About Corrosion"; Vol. 21, (1987).
- (6) F. L. Laque and H. R. Gapson; Corrosion resistance of metals and alloys; second edition, Reinhold publishing corporation, New York, (1963).
- (7) Fontana, G. Mars and D. Greene Nobert; Corrosion Engineering; Mc Graw Hill Book Co., New York, (1967).
- (8) I. A. Levin; Inter. Crystalline corrosion and corrosion resistance of metals under stress; Leonard Hill (Books) Ltd., London, (1963).
- (9) H. H. Uhlig; proceeding of references – Fundamental aspects of stress corrosion cracking – Published by NACE; 86, (1969).
- (10) F. Z. Mylius; Metallk; 233, (1922).
- (11) Industrial corrosion monitoring committee on corrosion; "Department of chemistry", HMS, (1978).
- (12) Corrosion testing and monitoring-The institution of corrosion science and technology; Chameleon press Ltd., London.
- (13) W. H. Ailor; Hand book of corrosion testing and evaluation; John and Wiley, (1971), (London).
- (14) F. A. Champion; "Corrosion testing procedures"; second edition, Chapman and Hill, London, (1964).
- (15) W. A. Badawy, F. M. El-Kharafi and A. S. El-Azab; Current Topics in Electrochemistry; 6, 149, (1998).
- (16) M. I. Slim, A. A. Yassin and B. G. Ateya; Corros. Sci.; 17 (11), 923, (1977).
- (17) M. Stern and R. M. Roth; J. Electrochem. Soc.; 104, 390, (1957).
- (18) R. V. Skold and T. E. Larson; Corrosion; 13, 139, (1957).
- (19) A. C. Markvides; J. Electrochem. Soc.; 167, 869, (1960).
- (20) E. Mecafferty and A. C. Zettlemoyer; J. Phy. Chem.; 71, 2444, (1967).
- (21) D. D. Mac Donald; Corrosion; 46, 229, (1990).
- (22) C. Gabrielli and M. Keddam; Corrosion; 48, 794, (1992).
- (23) J. M. Walls; Methods of surface analysis; (1998).
- (24) G. Sozhan; Ph. D Thesis; Central electrochemical research institute; India, (2001).
- (25) A. John Sedriks; Corrosion of stainless steel; (1979).
- (26) R. M. Davison et al; Process industries corrosion; p. 427.
- (27) ASM. Metals Hand Book; Vol. 1, 112, (1990).
- (28) A. S. Krishner; Process industries corrosion; 415, (1992).
- (29) ASM. Specially Hand Book; "stainless steel"; 92, (1998).
- (30) ASM. Metals Hand Book; Vol. 3, 9th edition, 126, (1985).
- (31) R. Kenneth Trethewey and John Chamberlain; Corrosion for Science And Engineering"; First edition (1995).
- (32) M. Abdallah, S. M. Abd El Halee; Bull Electrochem.; 12, 449, (1996).
- (33) G. Rruijni, Sc Srivatsava and M. B. Ives; Corrosion; 45, 874, (1989).
- (34) Hong and M. Naguma; Corros. Sci.; 39, 285, (1997).
- (35) B. Forchammer and H. J. Engell; Werkst. U. Korros.; 20, 1, (1969).
- (36) M. Smialowshi; Corros. Sci.; 9, 123, (1969).

- (37) Z. Szklarska – Smialowska; Br. Corros. J.; 5, 159, (1970).
- (38) M. A. Baker; Corros. Sci.; 34, 667, (1993).
- (39) J. E. Castle; Corros. Sci.; 30, 409, (1990).
- (40) J. Stewart and D. Williams; Corros. Sci.; 33, 457, (1992).
- (41) Ke. R. Alkerc; J. Electrochem. Soc.; 139, 1573, (1992).
- (42) E. G. Webb et al; Electrochem. Soc. 196th fall meeting Extended Abstr.; Hawali; 17, 545, (1999).
- (43) Ke. R. Alkerc; J. Electrochem. Soc.; 142, 4056, (1995).
- (44) M. A. Baker; J. Electrochem. Soc.; 33, 1295, (1992).
- (45) Henthorne; "Sulphide inclusions in steel"; American Society for Metals"; Park, Ohio, p. 445, (1975).
- (46) J. Degerbeck and E. Wold; Werkst. U. Korros; 25, 172, (1974).
- (47) V. Mitrovic-Scepanovic and R. J. Brizham; Corrosion; 52, 23, (1996).
- (48) E. A. Abd. El Meguid, N. A. Mohamed and V. K. Gouda; Br. Corros. J.; 33, 42, (1998).
- (49) J. Horvath and H. H. Uhlig; J. Electrochem. Soc.; 115, 791, (1968).
- (50) I. Sekine; Corros. Sci.; 32, 815, (1991).
- (51) C. Hanang; Meter. Chem. Phys.; 42, 280, (1995).
- (52) P.R. Levey; Corrosion; 51, 911, (1995).
- (53) R. Beneke and R. F. Sandenberg; Corros. Sci.; 29, 543, (1989).
- (54) H. H. Lu and D. J. Duquette; Corrosion; 46, 994, (1990).
- (55) Neil Rothwell and E. D. Mervyr Turner; Mater Perform; 29, 55, (1990).
- (56) A. N. Rothwell; Corros. Prev. Control; 39, 113, (1992).
- (57) N. Rothwell and M. E. D. Turner; Metals and Materials; P. 352, June (1989).
- (58) H. M. Shalaby and A. Husain; Br. Corros. J.; 27, 45, (1992).
- (59) C. Mc Caul; Br. Corros. J.; 26, 239, (1991).
- (60) Parkinson; Evaluation of SMAW consumables for repair of weld zone corrosion; Canadian Metallurgical quarterly, Vol. 28, p. 135 – 144.
- (61) M. G. Pujar; Mater Perform; 23, 52, (1984).
- (62) N. Sridhar; Mater Perform; 23, 92, (1984).
- (63) T. P. S. Gill, J. B. Gnanamoorthy and K. A. Podmanaban; Corrosion; 43, 208, (1987).
- (64) T. P. S. Gill, U. Kamachimudali, V. Sethurman and T. B. Gnanamoorthy; Corrosion; 44, 511, (1988).
- (65) K. N. Krishnan and K. Prasad; Corrosion; 46, 866, (1990).
- (66) U. M. Ehnsten, J. Likonen, L. I. Carpen, and O. A. Varjonen; Mater. Charact.; 36 (4/5), 279 (1996).
- (67) B. Breslin Carmel, D. Macdonald Digby, Sikora Elzbieta, and Sikora Januiz; Electrochim. Acta; 42 (1), 137, (1997).
- (68) Nagai Takayuki, Kauchi Aayuki, Takeda Seiichiro, A. Yamamoto, Takao, Tsukui, Shigeki, Okamoto, Shinichi.; J. Nucl. Sci. Technol.; 35(7), 502, (1998).
- (69) Yamamoto Takao, Tsukui Shigeki, Okamoto Shinichi, Nagai Takayuki, Takeiuchi Masayuki, Takeda Seiichiro and Tanaka Yasumasa.; J. Nucl. Sci. Technol.; 35(5), 353, (1998).
- (70) M. P. Ryan, N. J. Laycock, R. C. Newman and H. S. Isaacs; J. Electrochem. Soc.; 145 (5), 1566, (1998).
- (71) N. J. Laycock; Corrosion; 55 (6), 590, (1999).
- (72) S. O. Moussa, and M. G. Hocking; Corros. Sci; 43 (11), 2037, (2001).
- (73) B. A. Abd-El-Nabey, N. Khalil, M. M. Eisa and H. Sadek; Surface Technology; 20, 209, (1983).

- (74) *Shashi Gupta, Meenakshi Vajpeyi, Dharendra and G. N. Pandey*; Corrosion Prevention & Control; 47, April, (1986).
- (75) *D. W. DeBerry, A. Viehbeck*; Corrosion (NACE); (Houston), 44(5), 299, (1988).
- (76) *C. Lemaitre and G. Beranger*; Corros. Sci. Eng.; 1, 387, (1989).
- (77) *H. Berns and J. Luge*; "Inst. Werkst, Ruhr-univ. Bochum, D-4630 Bochum, Fed. Rep. Ger."; high nitrogen steels, HNS 88, Proc. Int. Conf., 288, (1989).
- (78) *Prazak Milan, Jirousova Dana, Talasma Jan and Liptakava Tatiana*; Jad. Energ.; 35 (10), 372, (1989).
- (79) *Lo Ping Ho, Tsai Wen Ta and Lee Ju Tung*; J. Electrochem. Soc.; 26 (2), 339, (1990).
- (80) *A. A. Khedr*; Corros. Prev. Control; 44, April (1991).
- (81) *S. R. Sausa and M. A. Barabosa*; J. Master. Sci. Mater. Med.; 2 (1), 19, (1991).
- (82) *Forsen Olef, Aromaa Jari, Rintamaki Kirsi and Tavi Markky*; "Lab. Corros. Mater. Chem., Helsinki Univ. Technol., SF-02151 Espoo Finland"; Scand. Corros. Congr.; EUPOCORR 92; 12TH 2, 507, (1992).
- (83) *S. H. Sanad, A.A. Ismail and N. A. Mahmoud*; Rev. Metal (Madrid); 28 (2), 89, (1992).
- (84) *A. Kumar, T. Singh and M. M. Singh*; Trans. SAEST; 27, 2, (1992).
- (85) *A. A. Ismail, S. H. Sanad*; Bull. Electrochem.; 8 (10), 455 (1992).
- (86) *Hiwatachi Yoichiro*; Ymen Gijustu; 44 (11), 988, (1993).
- (87) *Chen Xujun and Zhang Min*; Cailiao Baohu; 26 (4), 4, (1993).
- (88) *A. Kumar, M. M. Singh*; Anti-Corros. Methods and Materials; 40(12), 4 (1993).
- (89) *A. Hamid Al-Megren and A. Abdulaziz Al-Suhybani*; Materialwiss. Werkstofftech. Materialwiss.; , 24(1), 26 (1993).
- (90) *A. A. Ismail, S. H. Sanad and A. A. El-Meligi*; Bull. Electrochem.; 10, 448, (1994).
- (91) *S. Bernal, F. J. Botana, J. J. Calvino, M. Marcos, J. A. Perez-Omil, H. Vidal*; J. Alloys Compd.; 225(1-2), 638, (1995).
- (92) *S. H. Sanad, A. A. Ismail, A. A. El-Meligi*; Bull. Electrochem.; 11 (10), 462, (1995).
- (93) *Zhan Guojin, Yuan Xiaozhi, Wei Baoming, Qiu Yuzhu and Yu Majum*; Nanjing Huanong Xueyuan Xuebao; 17 (4), 22, (1995).
- (94) *Zhu Yifan, Li Dagang, Wang Guobing and Lu Jun*; Nanjing Huanong Xueyuan Xuebao; 17 (2), 48, (1995).
- (95) *A. Singh, R. S. Chaudhary*; J. Electrochem. Soc. India; 44(2), 77(1995).
- (96) *A. Singh, R. S. Chaudhary*; Trans. SAEST; 30 (3), 104, (1995).
- (97) *Branzoi Viorel, Branzoi Florina and F. Anghel Dan*; Rev. Chim. (Bucharest); 47 (11), 1081, (1996).
- (98) *Xiong Jining, Sun Dongbai and Yang Dejun*; Cailiao Baohu; 29 (2), 7, (1997).
- (99) *Cheng Xiao-Liang Liu, Chang-Yi Ding, Hua Chen, Shen-Hao*; J.Serb.Chem. Soc.; 61(10), 923, (1996).
- (100) *R. S. Chaudhary and A. Singh*; Bull. Electrochem.; 12(10), 585, (1996).
- (101) *P. R. P. Rodrigues, I. V. Aoki, A. H. P. De Andrade, E. DeOliveira and S. M. L. Agostinho*; Br. Corros. J.; 31(4), 305, (1996).
- (102) *B. R. Ortega, S. D. Beltran, V. Y. Meas and V. A. Becerril*; J. Braz. Chem. Soc.; 8 (2), 149, (1997).
- (103) *T. Hong and M. Nagumo*; Corros. Sci.; 39 (5), 961, (1997).
- (104) *H. Madkour Loutfy, M. Goneim Mohamed*; Bull. Electrochem.; 13 (1), 1, (1997).
- (105) *H. Yashiro, A. Oyama and K. Tanno*; Corrosion (NACE); (Houston) 53 (4), 290, (1997).
- (106) *U. Kamachi, Mudali, R. K. Dayal, J. B. Gnanamoorthy, P. Rodriguez*; Trans. Indian Inst. Met.; 50 (1), 37, (1997).

- (107) *J. R. Jr. Santos, L. H. C. Mattoso and A. G. Motheo*; *Electrochim. Acta*; 43 (3), 309, (1998).
- (108) *Isao Sekine, Chie Okano and Makoto Yuasa*; *Corros. Sci.*; 30 (5), 351, (1998).
- (109) *G. O. H. Whillock*; *J. of App. Electrochem.*; 28, 1205, (1998).
- (110) *P. R. P. Rodrigues, A. H. P. De Andrade and S. M. L. Agostinho*; *Br. Corros. J.*; 33(3), 211; (1998).
- (111) *Tang Zi-Long and Song Shi-Zhe*; *Zhongguo Fuski Yu Fanghu Xuebao*; 19 (2), 65, (Ch), (1999).
- (112) *H. A. El-Rahman, A. Baraka, S. A. Abd El-Gwad*; *J. Appl. Electrochem.*; 29 (10), 1205, (1999).
- (113) *H. A. El-Dahan*; *J. Mater. Sci.*; 34(4), 851, (1999).
- (114) *H. A. El-Dahan*; *Egypt. J. Chem.*; 42(2), 131, (1999).
- (115) *J. J. Park, S. I. Pyun, W. J. Lee and H. P. Kim*; *Corrosion*; 55 (4), 380, (1999).
- (116) *X. L. Cheng, H. Y. Ma, S. H. Chen, R. Yu, X. Chen and Z. M. Yao*; *Corros. Sci.*; 41(2), 321, (1999).
- (117) *E. A. Abd El Meguid, N. A. Mahmoud, S. S. Abd El Rehim*; *Mater. Chem. Phys*; 63 (1), 67, (2000).
- (118) *M. Abdallah*; *Corros. Sci.*; 44(4), 717, (2002).
- (119) *M. Abdallah*; *Material Chem. and Phys.*; 82, 786, (2003).
- (120) *A. Rohani-Rad, J. Mofidi and Z. Modarress-Tehrani*; *Corros. Sci.*; 38(1), 79, (2003).
- (121) *G. O. Ilevbare, G. T. Burstein*; *Corros. Sci.*; 45(7), 1545, (2003).
- (122) *Alan Turnbull, Mary Ryan, Anthony Willetts and Shengqi Zhou*; *Corros. Sci.*; 45 (5), 1051, (2003).
- (123) *M. A. El Hashemy*; M. Sc. Thesis; Chem. Dep., Fuc. of Sci., Mansoura Univ., (2003).
- (124) *C. J. Pedersen*; *J. Am. Chem. Soc.*; 89, 2495, (1967).
- (125) *C. J. Pedersen*; *J. Am. Chem. Soc.*; 89, 7017, (1967).
- (126) *J. M. Lehn, J. Simon and J. Wagner*; *Nouv. J. Chem.*; 1, 77, (1977).
- (127) *E. Graf and J. M. Lehn*; *J. Am. Chem. Soc.*; 97, 5022, (1975).
- (128) *R. M. Izatt, N. E. Izatt, B. E. Rossiter, J. J. Christensen and B. L. Haymore*; *Science*; 199, 997, (1978).
- (129) *C. J. Pedersen*; in "Synthetic multidentate macrocyclic compounds" by R. M. Izatt and J. J. Christensen; Academic Press, New York, (1978).
- (130) *A. C. Knipe*; *J. Chem. Educ.*; 53, 618, (1976).
- (131) *E. Grell, T. Funk and F. Eggers*; in: *Membranes* (G. Eisenman, ed.) Vol. 3, P. I. Marcel Dekker; New York, (1975).
- (132) *R. M. Izatt, R. E. Terry, L. D. Hansen, A. G. Avondet, J. S. Bradshaw, N. K. Dalley, T. E. Jensen, B. L. Haymore and J. J. Christensen*; *Inorg. Chim. Acta*; 30, 1, (1978).
- (133) *E. Shchori and J. J. Grodzinski*; *Isr. J. Chem.*; 11, 243, (1973).
- (134) *D. J. Cram, R. C. Helgeson, L. R. Sausa, j. M. timko, M. New, P. Moreau, F. Dejong, G. W. Gokel, D. H. Hoffman, L. A. Domeier, S. C. Peacock, K. Madan and L. Kaplan*; *Pure Appl. Chem.*; 43, 327, (1975).
- (135) *R. M. Izatt, R. E. Terry, D. P. Nelson, Y. Chan, D. J. Eatough, J. S. Bradshaw, L. D. Hansen and J. J. Christensen*; *J. Am. Chem. Soc.*; 98, 7626, (1976)
- (136) *J. D. Lamb*; *Synthetic Macrocyclic Ligands: stability, selectivity and transport of their cation complexes*; Ph. D. Thesis; Dissertation Brigham, Yong Univ. Provo, Utah, (1978).
- (137) *L. A. Kortsova, B. V. Stolyarov*; *Zh. Anal. Khim.*; 48(4), 582 (Russ.) (1993).