



杜翠薇, 1972年2月出生, 新材料技术研究院教授, 博士生导师。1994年在哈尔滨工业大学大学应电化学工程专业获学士学位, 1996年在哈尔滨工业大学应用化学专业获硕士学位, 2002年在北京科技大学材料学专业获博士学位。主要从事材料腐蚀与防护研究。目前兼任中国腐蚀与防护学会常务副秘书长、常务理事, 承压设备专业委员会副主任委员。

【在研科研项目】

1. 国家自然科学基金面上项目, 交流电/应力场耦合对 X80 钢 SCC 裂纹萌生与发展的影响机理 (51371036), 2014 年-2017 年。
2. 国家 973 项目, 海洋工程装备材料腐蚀与防护关键技术基础研究 (2014CB643300), 2014 年-2018 年。
3. 国家自然科学基金重点项目, 高强度管线钢土壤腐蚀的关键影响因素及机理研究 (51131001), 2012 年-2016 年。

【代表性学术论文】

1. M. Zhu, C. W. Du, et al. Effect of AC current density on stress corrosion cracking behavior of X80 pipeline steel in high pH carbonate/bicarbonate solution [J]. *Electrochimica Acta*, 2014, 117: 351-359.
2. M. Zhu, C. W. Du, et al. Effect of AC on stress corrosion cracking behavior and mechanism of X80 pipeline steel in carbonate/bicarbonate solution[J]. *Corrosion Science*, 2014, 87:224-232.
3. Du CW, Li XG, et al. Effects of microstructure on corrosion of X70 pipe steel in an alkaline sol[J]. *Journal of Materials Engineering and Performance*, 2009, 18(2):216-220.
4. Chen X, Li XG, Du CW, et al. Effect of cathodic protection on corrosion of pipeline steel under disbonded coating[J]. *Corrosion Science*, 2009, 51(9):2242-2245.
5. Du CW, Li XG, et al. Crevice corrosion behavior of X70 steel in HCO₃⁻ solution under cathodic polarization[J]. *Acta Metallurgica Sinica(English letters)*, 2008, 21((4):235-244.



Cuiwei DU, the professor of Institute of Advanced Materials and Technology, received her B.E. in Electrochemical Engineering and M.E. in Applied Chemistry from Harbin Institute of Technology, in 1994 and 1996, and her Ph.D. in Materials science from University of Science and Technology, Beijing in 2002. Her recent research interest is corrosion and protection for materials. She is the Vice Secretary-General and Council Member of Chinese Society for Corrosion and Protection (CSCP) and also the Deputy Director of Pressure Equipment Professional Committee of CSCP.

【Publications】

1. M. Zhu, **C. W. Du**, et al. Effect of AC current density on stress corrosion cracking behavior of X80 pipeline steel in high pH carbonate/bicarbonate solution [J]. *Electrochimica Acta*, 2014, 117: 351–359.
2. M. Zhu, **C. W. Du**, et al. Effect of AC on stress corrosion cracking behavior and mechanism of X80 pipeline steel in carbonate/bicarbonate solution[J]. *Corrosion Science*, 2014, 87:224–232.
3. **Du CW**, Li XG, et al. Effects of microstructure on corrosion of X70 pipe steel in an alkaline solution[J]. *Journal of Materials Engineering and Performance*, 2009, 18(2):216–220.
4. Chen X, Li XG, **Du CW**, et al. Effect of cathodic protection on corrosion of pipeline steel under disbonded coating[J]. *Corrosion Science*, 2009, 51(9):2242–2245.
5. **Du CW**, Li XG, et al. Crevice corrosion behavior of X70 steel in HCO₃⁻ solution under cathodic polarization[J]. *Acta Metallurgica Sinica(English letters)*, 2008, 21(4):235–244.