



孟惠民，1963年2月出生，新材料技术研究院教授。1984年在哈尔滨工业大学电化学工程专业获学士学位，1987年在哈尔滨工业大学应用化学专业获硕士学位，1999年在日本九州工业大学物质工学应用化学专业获工学博士学位。主要从事材料科学与工程、腐蚀与防护科技的研究。目前任腐蚀与防护中心、腐蚀与防护教育部国防重点实验室副主任，兼任辽宁石油化工大学兼职教授，北京表面工程学会副理事长，担任过中国钢铁冶金工业协会科技进步奖等会评专家。

【在研科研项目】

1. 国家重大科技专项子课题（保密项目），2011年-2015年
2. 国家973计划，课题：海洋环境下磨蚀过程的力学-电化学机理研究（2014CB643302），2014年-2015年（前二年第一阶段）
3. 国家自然科学基金面上项目，氧阴极法节能环保制备二氧化锰电解规律研究，2013年-2016年

【代表性学术论文】

1. Jing Tang, Hui-min Meng, et al. The energy saving mechanism of gas diffusion electrode based on Pt/C catalyst for saving energy and green electrodeposition of manganese dioxide[J]. *Electrochimica Acta*, 2015, 170: 92-97.
2. Hu G, Meng H M, et al. Microstructure and corrosion resistance of induction melted Fe-based alloy coating[J]. *Surface and Coatings Technology*, 2014, 251(7): 300-306.
3. Song, LJ, Meng. HM. Effect of carbon content on Ni-Fe-C electrodes for hydrogen evolution reaction in seawater[J]. *International Journal of Hydrogen Energy*, 2010, 35(19): 10060-10066.
4. Zhenwei Yan, Huimin Meng. Electrochemical investigation of the IrO₂-Ta₂O₅ coated anode with different heat treatment processes of the Titanium substrates[J]. *Electrochemical and Solid-State Letters*, 2011, 14(10): c16-c19.
5. WANG Jiansheng, MENG Huimin, et al. Wear characteristics of spheroidal graphite roll WC-8Co coating produced by electro-spark deposition[J]. *Rare Metals*, 2010, 29(2): 174-179.



Huimin Meng, the professor of Institute for Advanced Materials and Technology, received his B.E. in Electrochemical Science and Engineering and M.E. in Applied Chemistry from Harbin Institute of Technology, in 1984 and 1987, and his Ph.D. in Material Engineering and Applied Chemistry from Kyushu Institute of Technology Japan in 1999. His recent research interests are Materials Science and Engineering and Corrosion and Protection Technology. He is Vice president of Beijing Surface Engineering Association.

【Publications】

1. Jing Tang, Hui-min Meng, et al. The energy saving mechanism of gas diffusion electrode based on Pt/C catalyst for saving energy and green electrodeposition of manganese dioxide[J]. *Electrochimica Acta*, 2015, 170: 92-97.
2. Hu G, Meng H M, et al. Microstructure and corrosion resistance of induction melted Fe-based alloy coating[J]. *Surface and Coatings Technology*, 2014, 251 (7) : 300-306.
3. Song, LJ, Meng. HM, Effect of carbon content on Ni-Fe-C electrodes for hydrogen evolution reaction in seawater[J]. *International Journal of Hydrogen Energy*, 2010, 35(19): 10060-10066.
4. Zhenwei Yan, Huimin Meng. Electrochemical investigation of the IrO₂-Ta₂O₅ coated anode with different heat treatment processes of the Titanium substrates[J]. *Electrochemical and Solid-State Letters*, 2011, 14(10): c16-c19.
5. WANG Jiansheng, MENG Huimin, et al. Wear characteristics of spheroidal graphite roll WC-8Co coating produced by electro-spark deposition[J]. *Rare Metals*, 2010, 29 (2): 174-179 .