



Ying Yan

Department: School of Resources and Environmental Engineering
Professional field: Environment and Material
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Profile

Work experience

Work in the Department of Environmental Engineering, East China University of Science and Technology since September 2007, appointed as Associate professor in 2013.

Education

July 2007. PhD Degree in Marine chemistry conferred by The Institute of Oceanology, Chinese Academy of Sciences.

July 2004. Master of physical chemistry, graduated from Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences.

July 1997. Bachelor of Chemistry, graduated from Shandong Normal University.

Research Field

1. Metal corrosion and protection
2. Cultural heritage conservation
3. Artificial intelligence

Research results and main published thesis

- [1] Ying Yan, Mengting Li, Peng Chen, Shuyuan Wang, Chunjie Shi, Hao Zhou, Laiming Wu, Lankun Cai. Reliance of corrosion characteristics for two iron-based alloys on the water content in 1-Butyl-3-methylimidazolium tetrafluoroborate, CORROSION, 2023,,79(9): 1017-1028.
- [2] Ying Yan, Ruinian Gu, Manman Zhu, Mingqi Tang, Qun He, Yuanyuan Tang, Lili Liu*. Environmental impacts and optimization simulation of aerobic anaerobic combination treatment technology for food waste with life cycle assessment, WASTE MANAGEMENT, 2023,164, 228-237.
- [3] Yijing Tang, Lankun Cai, Ying Wang, Min Wang, Hao Zhou, Laiming Wu, Ying Yan*. Influence of formic acid on corrosion behavior of bronze under thin electrolyte layer, JOURNAL OF WUHAN UNIVERSITY OF TECHNOLOGY, 2022, 37(3): 482-489.
- [4] Peng Chen, Xie Liu, Zhihao Lu, Liang Jin, Lankun Cai, Lehua Zhang, Hualin Wang, Ying Yan*. Experimental and theoretical study on removal of organic contaminants with various function groups via suspension freezing separation, SEPARATION AND PURIFICATION TECHNOLOGY, 2021, 259: 118176-118176.
- [5] Jingming Liu, Min Wang, Chengyu Gu, Lehua Zhang, Ying Yan*. Fabrication of a superhydrophobic surface by straightforward immersion for copperplate artwork protection, RSC ADVANCES, 2021, 11(51): 32038-32046.
- [6] Jingfang Cai, Ying Yan, Weiwei Wang, Yuanyuan Ma, Lankun Cai, Laiming Wu, Hao Zhou. Detection of formic acid and acetic acid gases by a QCM sensor coated with an acidified multiwalled carbon nanotube membrane, ENVIRONMENTAL TECHNOLOGY, 2021, 1-11.
- [7] Linyuan Zhang, Liping Qiao, Lan Jian, Ying Yan*, Lina Wang. Three-years monitoring of PM2.5 and scattering coefficients in Shanghai, China, CHEMOSPHERE, 2020, 253: 126613 -126613.
- [8] Lankun Cai, Mengjie Chen, Ying Wang, Cheng Chen, Lehua Zhang, Hao Zhou, Laiming Wu, Ying Yan*. Electrochemical corrosion behavior of bronze materials in an acid-containing simulated atmospheric environment, MATERIALS AND CORROSION, 2020, 771(3): 464-473.