汪耀明

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汪耀明，国家优秀青年科学基金获得者，2005、2008年获安徽工程大学学士和硕士学位，2011年中国科学科技大学化学系获博士学位，2013年博士后出站后留校工作至今。目前为中国科学技术大学应用化学系教授，博士生导师。研究方向为电膜分离过程，提出了电渗析-双极膜电渗析在线耦合、不对称双极膜电渗析、离子注入电渗析、离子电脱水、双极膜结晶等多个新型电膜过程，相关研究成果在AIChE Journal、Chem. Eng. Sci.、Chem. Eng. J.、Ind. Eng. Chem. Res等期刊发表SCI论文80余篇，SCI他引4000+次，H-因子37；获授权发明专利20余件；先后承担科技部重点研发计划课题、基金委优青/面上/国际合作、省重大专项等科研项目10余项。担任Separation and Purification Technology客座编辑，Frontier Membrane Science Technology、Membranes、Processes等期刊编委。以核心成员获国家技术发明二等奖1项，省部级一等奖2项；曾获安徽省杰青、侯德榜化工科学技术青年奖等奖励。

教育经历

2001.9-2008.7 安徽工程大学 生化系 本科/硕士

2008.9-2011.6 中国科学技术大学 化学系 博士

工作经历

2011.6-2013.10，中国科学技术大学化学系 博士后

2013.11-2021.11 中国科学技术大学化学院 副研究员

2021.11-至今 中国科学技术大学应化系 特任教授

研究方向

1. 离子交换膜及其应用过程

2. 电渗析及双极膜电渗析

3. 化工清洁生产以及含盐废水资源化

社会兼职

1. Separation and Purification Technology客座编辑；Membranes、Frontiers in Membrane Science and Technology、Sustainable Chemical Engineering等期刊编委/编辑

2. 中国海水淡化与水再利用协会青年委员

Wang Yaoming

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Wang Yaoming, a recipient of the National Excellent Young Scientists Fund Project, obtained the bachelor's and master's degrees from Anhui Polytechnic University in 2005 and 2008 respectively. He received a Ph.D. from the Department of Chemistry of the University of Science and Technology of China (USTC) in 2011. After completing his postdoctoral research in 2013, he began teaching at USTC, where he is currently a professor of the Department of Applied Chemistry and a doctoral supervisor. His research focuses on electro-membrane separation processes, where he has proposed several new electro-membrane processes such as electrodialysis-bipolar membrane electrodialysis online coupling, asymmetric bipolar membrane electrodialysis, ion-injection electrodialysis, ion-electro dehydration, and bipolar membrane crystallization. He has published more than 80 SCI papers about his research findings in journals such as AIChE Journal, Chem. Eng. Sci., Chem. Eng. J., and Ind. Eng. Chem. Res., with over 4,000 SCI citations and an H-index of 37. He holds more than 20 authorized invention patents. He has undertaken more than 10 scientific research projects, including those from the Key Research and Development Program of the Ministry of Science and Technology, the Excellent Young Scientists Fund Project, General Project, and International Cooperation Project of the National Natural Science Foundation of China, and Major Provincial Projects. He serves as a guest editor for Separation and Purification Technology and the editorial board member of Frontier Membrane Science Technology, Membranes, and Processes. He has received one second prize of the National Technology Invention Award and two first prizes of provincial and ministerial awards as a core member. He has also been honored with awards such as the Anhui Provincial Outstanding Youth Fund and Youth Award of Hou Debang Chemical Science and Technology Award.

Educational Background:

2001.9-2008.7: Bachelor's/Master's Degrees from the Department of Biochemistry of Anhui Polytechnic University

2008.9-2011.6: Ph.D. from the Department of Chemistry of the University of Science and Technology of China

Work Experience:

2011.6-2013.10: Postdoctoral Fellow of the Department of Chemistry of the University of Science and Technology of China

2013.11-2021.11: Associate Researcher of the School of Chemistry of the University of Science and Technology of China

2021.11-Present: Special-term Professor of the Department of Applied Chemistry of the University of Science and Technology of China

Research Directions:

1. Ion-exchange membranes and their application processes

2. Electrodialysis and bipolar membrane electrodialysis

3. Cleaner chemical production and resource utilization of saline wastewater

Social Positions:

1. Guest Editor of Separation and Purification Technology; Editorial Board Member of Membranes, Frontiers in Membrane Science and Technology, and Sustainable Chemical Engineering

2. Youth Member of the Seawater Desalination and Water Reuse Branch, Chinese Society for Oceanpgraphy