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教育背景

2006.9—2009.12, 吉林大学, 化学学院, 理学博士

2004.9—2006.9, 吉林大学, 化学学院, 硕博连读

1998.9—2002.7, 长春工业大学, 化学工程与工艺, 工学学士

研究经历

2018.04-至今, 南京师范大学, 环境学院, 教授

2011.07-2018.3, 南京大学, 环境学院, 副研究员

2010.11-2012.09, 南京大学, 环境学院, 博士后

2010.03-2010.10, 香港大学, 化学系, 助理研究员

主要研究方向

电化学方法对毒害污染物的去除与资源化

承担 (参与) 的主要科研项目

1.国家自然科学基金面上项目 (No:51778281) : 难降解含强吸电子基苯系污染物的电化学还原-氧化去除与毒性削减评估, 2018.1-2021.12, 主持;

2.国家自然科学基金青年项目 (No:51408297) : 典型DOM工业废水的电吸附除盐机制及调控研究, 2015.1-2017.12, 主持;

3.江苏省自然科学基金面上项目 (No:BK20171342) : 复杂水介质中选择性去除硝酸盐的电容吸附行为, 2017.7-2020.6, 主持;

4.江苏省自然科学基金面上项目 (No:BK20130575) : 基于复合污染水系选择去除硝酸盐的树脂制备与应用, 2013.07-2016.06, 主持。

近期发表论文、专利及软件

[1] Yueyue Qian, Chuang Ma, Shupeng Zhang*, Juanjuan Gao, Maoxiang Liu, Kangjun Xie, Shuang Wang, Kuan Sun*, Haiou Song*, High performance electrochemical electrode based on polymeric composite film for sensing of dopamine and catechol, Sensors and Actuators B: Chemical, 2018, 255, 1655-1662.

[2] Shuang Wang, Shupeng Zhang*, Maoxiang Liu, Haiou Song*, Juanjuan Gao, Yueyue Qian, MoS₂ as connector inspired high electrocatalytic performance of NiCo₂O₄ nanoplates towards glucose, Sensors & Actuators: B. Chemical, 2018, 254, 1101-1109.

[3] Yifan Wu, Ling Gan, Shupeng Zhang, Bicun Jiang, Haiou Song*, Wentao Li, Yang Pan, Aimin Li*, Enhanced electrocatalytic dechlorination of para-chloronitrobenzene based on Ni/Pd foam electrode, Chemical Engineering Journal, 2017, 316, 146-153.

[4] Juanjuan Gao, Jingkun Fang, Xuehai Ju, Weiqing Zhu, Xuezen Lin, Shupeng Zhang*, Chuang Ma, Haiou Song*, Hierarchical Self-Assembly of Cyclodextrin and Dimethylamino-Substituted Arylene-Ethynylene on N-doped Graphene for Synergistically Enhanced Electrochemical Sensing of Dihydroxybenzene Isomers, *ACS Applied Materials & Interfaces*, 2017, 9, 38802-38813.

[5] Moxiang Liu, Shupeng Zhang*, Juanjuan Gao, Yueyue Qian, Haiou Song*, Shuang Wang, Kangjun Xie, Wei Jiang, Aimin Li*, Enhanced electrocatalytic nitrite determination using poly(diallyldimethylammoniumchloride)-coated Fe_{1.833}(OH)_{0.5}O_{2.5}-decorated N-doped graphene ternary hierarchical nanocomposite, *Sensors and Actuators B: Chemical*, 2017, 243, 184-194.

[6] Haiou Song, Yifan Wu, Shupeng Zhang*, Wentao Li, Baijun Wang, Changming Wang, Juanjuan Gao, Aimin Li, Mesoporous generation-inspired ultrahigh capacitive deionization performance by sono-assembled activated carbon/inter-connected graphene network architecture, *Electrochimica Acta*, 2016, 205(1), 161-169.

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[10] Changming Wang, Haiou Song*, Quanxing Zhang, Baijun Wang, Aimin Li*. Parameter optimization based on capacitive deionization for highly efficient desalination of domestic wastewater biotreated effluent and the fouled electrode regeneration, *Desalination*, 2015, 365, 407-415.

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授权专利

[1]李爱民, 王柏俊, 宋海欧等, 一种电催化还原氧化反应器及利用其预处理氯苯废水的方法, 申请号: 201410720181.5, 授权日: 2017-01-25;

[2]李爱民, 王长明, 宋海欧等, 一种基于磁性树脂吸附耦合电吸附的再生水处理方法, 申请号: 201410176164.x, 授权日: 2016-03-09;

[3]李爱民, 周扬, 宋海欧等, 一种选择性去除硝态氮的磁性微球树脂及其制备方法, 专利申请号: 2011103276378, 授权日: 2013-07-17。

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