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教育背景

2012.08-2015.07, 日本筑波大学, 持续环境学, 获博士学位

2009.09-2012.07, 中国地质大学(北京), 环境科学与工程专业, 获硕士学位

2005.09-2009.07, 河北科技大学, 给水与排水工程专业, 获学士学位

科研教学经历

2020.01至今, 南开大学, 环境科学与工程学院, 副教授

2015.10~2019.12, 南开大学, 环境科学与工程学院, 讲师

科研项目

1. 天津市自然科学基金青年项目, 菌藻共生好氧颗粒污泥处理高盐有机废水和产油特性研究(19JCQNJC08600), 6万元, 2019.04-2022.03, 主持
2. 国家自然科学基金青年项目, 富油型好氧颗粒污泥形成机制与产油性能(51608279), 25.2万元, 2017.01-2019.12, 主持
3. 瑞典环境科学研究院项目, 应用“源头到海洋”的方法-识别、预防和减少微塑料向黄海与渤海的排放, 6.7万元, 2020.08-2021.04, 主持
4. 国家水专项-课题, 滨海工业带高盐难降解废水趋零排放技术与示范应用(2017ZX07107-002), 9325.96万元(中央经费2325.96万元), 2017.01-2021.06, 课题主要参加人, 子课题1技术负责人
5. 南开大学青年教师及海外留学归国人员研究资助项目, 采用污水培养富油型好氧颗粒的探索性研究, 15万元, 2016.01-2017.12, 主持
6. 企业委托项目, 尾矿库水体与土壤修复技术, 10万元, 2020.06-2022.03, 主持
7. 国家重点研发计划-子课题, 畜禽粪便好氧发酵工艺重金属控制技术研发与示范(2016YFD0801002-01), 62.5万, 2016.01-2020.12, 主要参加人
8. 天津市科技支撑计划项目, 滨海高盐河道水体治理关键技术研发(17ZXSTSF00100-1), 50万元, 2017-10至2020-09, 主要参加人
9. 南开大学-沧州研究院孵化基金项目, 沧州渤海新区制药与化工行业高盐有机废水处理与零排放研究与应用, 250万, 2020.01-2021.12, 主要参加人
10. 天津市农业科技成果转化与推广项目, 规模化畜禽养殖场固体排泄物中铜、锌的形态分析与生物沥浸分离技术研究(201601190), 50万元, 2016.09-2019.08, 主要参加人
11. 天津市滨海新区专项资金项目(中国-加拿大合作), 天津市滨海新区土壤、地下水及污泥重金属形态分析与污染控制技术研究(XQZJKJ2016-02), 60万元, 2016.07-2017.06, 主要参加人

学术论著

- [1]Songrong Li#, Wenli Huang#, Peizhen Yang, Zhendong Li, Baiqin Xia, Mingjie Li, Cheng Xue, Dongfang Liu. One-pot synthesis of N-doped carbon intercalated molybdenum disulfide nanohybrid for enhanced adsorption of tetracycline from aqueous solutions. *Science of the Total Environment*, 2021, 754, 141925.
- [2]Fansheng Meng, Weiwei Huang, Dongfang Liu, Yingxin Zhao, Wenli Huang*, Zhenya Zhang, Zhongfang Lei. Application of aerobic granules-continuous flow reactor for saline wastewater treatment: Granular stability, lipid production and symbiotic relationship between bacteria and algae. *Bioresource Technology*, 2020, 295: 122295.
- [3]Xiaocheng Wei, Dongfang Liu, Wenli Huang*, Weiwei Huang, Zhongfang Lei. Simultaneously enhanced Cu bioleaching from E-wastes and recovered Cu ions by direct current electric field in a bioelectrical reactor. *Bioresource Technology*, 2020, 298: 1225.
- [4]Wenli Huang, Dongfang Liu, Weiwei Huang*, Wei Cai, Zhenya Zhang, Zhongfang Lei. Achieving partial nitrification and high lipid production in an algal-bacterial granule system when treating low COD/NH₄-N wastewater. *Chemosphere*, 2020, 248: 126106.
- [5]Zhendong Li, Dongfang Liu, Wenli Huang*, Xiaocheng Wei, Weiwei Huang. Biochar supported CuO composites used as an efficient peroxymonosulfate activator for highly saline organic wastewater treatment. *Science of the Total Environment*, 2020, 721(15): 137764.
- [6]Zhendong Li, Yanmei Sun, Wenli Huang*, Cheng Xue, Yan Zhu, Qianwen, Wang, Dongfang Liu*. Innovatively employing magnetic CuO nanosheet to activate peroxymonosulfate for the treatment of high-salinity organic wastewater. *Journal of Environmental Sciences*, 2020, 88:46-58.
- [7]Fansheng Meng#, Limeng Xi#, Dongfang Liu, Weiwei Huang, Zhongfang Lei, Zhenya Zhang, Wenli Huang*. Effects of light intensity on oxygen distribution, lipid production and biological community of algal-bacterial granules in photo sequencing batch reactors. *Bioresource Technology*, 2019, 272: 473-481.
- [8]Weiwei Huang, Fei Yang, Wenli Huang*, Zhongfang Lei, Zhenya Zhang. Enhancing hydrogenotrophic activities by zero-valent iron addition as an effective method to improve sulfadiazine removal during anaerobic digestion of swine manure. *Bioresource Technology*, 2019, 294:122178.
- [9]Zhendong Li, Dongfang Liu, Yingxin Zhao, Songrong Li, Xiaocheng Wei, Fansheng Meng, Wenli Huang*, Zhongfang Lei. Singlet oxygen dominated peroxymonosulfate activation by CuO-CeO₂ for organic pollutants degradation: Performance and mechanism. *Chemosphere*, 2019, 233: 549-558
- [10]Fansheng Meng, Yu Liu, Ping Zhang, Dongfang Liu*, Wenli Huang*. Advanced treatment of salty eutrophication water using algal-bacterial granular sludge: With focus on nitrogen removal, phosphorus removal, and lipid accumulation. *Bioresources*, 2019, 14(4): 9518-9530.
- [11]Fansheng Meng, Dongfang Liu, Yuwei Pan, Limeng Xi, DanYang, Wenli Huang*. Enhanced amount and quality of alginate-like exopolysaccharides in aerobic granular sludge for the treatment of salty Wastewater. *Bioresources*, 2019, 14(1): 139-165.
- [12]Shaoxiong Zhang, Dongfang Liu, Wenli Huang*. Identification of phosphorus species and bio-availability in primary, secondary and digested sludge. *Applied Ecology and Environmental Research*, 2019, 17(6):14391-14402.
- [13]Fansheng Meng, Dongfang Liu, Wenli Huang*, Zhongfang Lei*, Zhenya Zhang. Effect of salinity on granulation, performance and lipid accumulation of algal-bacterial granular sludge. *Bioresource Technology Reports*, 2019, 7, 100228.
- [14]XiaochengWei, Dongfang Liu, Wenjiao Li, Lirui Liao, ZhendongWang, Weiwei Huang, Wenli Huang*. Biochar addition for accelerating bioleaching of heavy metals from swine manure and reserving the nutrients. *Science of the Total Environment*, 2018, 631-632: 1553-1559.
- [15]Limeng Xi, Dongfang Liu, Wenli Huang*. Effect of acetate and propionate on the production and characterization of soluble microbial products (SMP) in aerobic granular sludge system. *Toxicological and Environmental Chemistry*, 2018, 100, 2: 175-190.
- [16]Xiaocheng Wei, Dongfang Liu, Lirui Liao, Zhendong Wang, Wenjiao Li, Wenli Huang*. Bioleaching of heavy metals from pig manure with indigenous sulfuroxidizing bacteria: effects of sulfur concentration. *Heliyon*, 2018, 4: e00778.
- [17]Wenli Huang, Bing Li, Chao Zhang, Zhenya Zhang, Zhongfang Lei*, Baowang Lu, Beibei Zhou. Effect of algae growth on aerobic granulation and nutrients removal from synthetic wastewater by using sequencing batch reactors. *Bioresource Technology*, 2015, 179, 187-192.
- [18]Wenli Huang, Wei Cai, He Huang, Zhongfang Lei*, Zhenya Zhang*, Joo Hwa Tay, Duu-Jong Lee. Identification of inorganic and organic species of phosphorus and its bio-availability in nitrifying aerobic granular sludge. *Water Research*, 2015, 68, 423-431.
- [19]Bing Li#, Wenli Huang#, Weiei Huang, Huifang Li, Zhongfang Lei, Zhenya Zhang*, Joo Hwa Tay, Duu-Jong Lee. Effect of TiO₂ nanoparticles on aerobic granulation of algal-bacterial symbiosis system and nutrients removal from synthetic wastewater. *Bioresource Technology*, 2015, 187, 214-220.
- [20]Wenli Huang, Weiwei Huang, Huifang Li, Zhongfang Lei, Zhenya Zhang*, Joo Hwa Tay, Duu-Jong Lee. Species and distribution of inorganic and organic phosphorus in enhanced phosphorus removal aerobic granular sludge. *Bioresource Technology*, 2015, 193, 549-552.
- [21]Wenli Huang, Wenlong Wang, Wansheng Shi, Zhongfang Lei, Zhenya Zhang*, Rongzhi Chen. Use low direct current electric field to augment nitrification and structural stability of aerobic granular sludge when treating low COD/NH₄-N wastewater. *Bioresource Technology*, 2014, 171, 139-144.
- [22]Wenli, Huang, Miao Li, Baogang Zhang, Chuanping Feng*, Xiaohui Lei, Bin Xu. Influence of operating conditions on electrochemical reduction of nitrate in groundwater. *Water Environment Research*, 2013, 85(3): 224-231.
- [23]Wenli Huang, Baogang Zhang*, Chuanping Feng, Miao Li, Jing Zhang. Research trends on nitrate removal: a bibliometric analysis. *Desalination and Water Treatment*, 2012, 50(1-3): 67-77.

