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## 个人简介

2017.9-至今: 学科与专业发展规划处,副处长

2018.9-至今: 华东理工大学, 教授

2010.9-至今:校青年教师联谊会,副理事长、秘书长

2013.10-2017.9: 华东理工大学人事处, 副处长

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## 研究方向

- (1) 废弃物及生物质的无害化与资源化(热工过程节能优化、废弃物热解等)
- (2) 化工与能源转化过程污染物控制理论及治理技术(环境功能材料、吸附 光催化、废水深度处理、富营养水体修复等)

## 研究成果及主要发表文章

- [1] Zhou, Yi., Lu, Jian., Liu, Qiming., Chen, Huafeng., Liu, Yongdi., Zhou, Yanbo\*. A novel hollow-sphere cyclodextrin nanoreactor for the enhanced removal of bisphenol A under visible irradiation. Journal of Hazardous Materials, 2020, 384: 121267.
- [2] Lu, Jian., Wang, Tenghao., Zhou, Yi., Cui, Changzheng., Ao, Zimin., Zhou, Yanbo\*. Dramatic enhancement effects of l-cysteine on the degradation of sulfadiazine in Fe3+/CaO2 system. Journal of Hazardous Materials, 2020, 383: 121133.
- [3] Liu, Qiming., Li, Yaoyue., Chen, Huafeng., Lu, Jian., Yu, Guangsuo., Möslang, Maxim., Zhou, Yanbo\*. Superior adsorption capacity of functionalised straw adsorbent for dyes and heavy-metal ions. Journal of Hazardous Materials, 2020, 382: 121040.
- [4] Zhou, Yanbo\*., Lu, Jian., Zhou, Yi., Liu, Yongdi. Recent advances for dyes removal using novel adsorbents: A review. Environmental Pollution, 2019, 252: 352-365.
- [5] Wang, Tenghao., Zhou, Yi., Cao, Shixin., Lu, Jian., Zhou, Yanbo\*. Degradation of sulfanilamide by Fenton-like reaction and optimization using response surface methodology. Ecotoxicology and Environmental Safety, 2019, 172: 334-340.
- [6] Zhou, Yanbo\*, Cheng, Guang., Chen, Ke., Lu, Jian., Lei, Juying., Pu, Shunyan. Adsorptive removal of bisphenol A, chloroxylenol, and carbamazepine from water using a novel  $\beta$ -cyclodextrin polymer. Ecotoxicology and Environmental Safety, 2019, 170: 278-285.
- [7] Li, Yaoyue., Zhou, Yanbo\*., Zhou, Yi., Lei, Juying., Pu, Shunyan. Cyclodextrin modified filter paper for removal of cationic dyes/Cu ions from aqueous solutions. Water Science and Technology, 2018, 78 (12): 553-2563.
- [8] Zhou Yanbo\*, Hu Yonghua , Huang Weiwei , et al. A novel amphoteric  $\beta$ -cyclodextrin-based adsorbent for simultaneous removal of cationic/anionic dyes and bisphenol A[J]. The Chemical Engineering Journal, 2018, 341:47-57.
- [9] Zhou Yanbo\*, Fang Xingbin, Wang K, et al. Improving cyanide removal from coke plant wastewaters by optimizing the operation conditions of an ammonia still tower[J]. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 2017, 39(5):491-496.
- [10] Zhou Yanbo, Gu Xiaochen, Zhang Ruzhuang, et al. Microbial degradation of diesel oil and heavy oil in the presence of modified clay[J]. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 2017, 39(3):326-331.
- [11] Zhou Yanbo\*, Fang Xingbin, Wang Tenghao, Hu Yonghua, Lu Jun, Chelating agents enhanced CaO2 oxidation of bisphenol A catalyzed by Fe3+ and reuse of ferric sludge as a source of catalyst, Chemical Engineering Journal, 2017,313: 638-645
- [12] Zhou Yanbo\*, Zhang Ruzhuang, Chen Ke, Zhao Xuanran, Gu Xiaochen, Lu Jun, Enhanced adsorption and photo-degradation of bisphenol A by  $\beta$ -cyclodextrin modified pine sawdust in an aquatic environment, Journal of the Taiwan Institute of Chemical Engineers, 2017,78:510-516
- [13] Huang Weiwei, Hu Yonghua, Li Yaoyue, Zhou Yanbo\*, Niu Dechao, Lei Zhongfang, Zhang Zhenya. Citric acid-crosslinked  $\beta$ -cyclodextrin for simultaneous removal of bisphenol A, methylene blue and copper: The roles of cavity and surface functional groups. Journal of the Taiwan Instituteof Chemical Engineers, 2018,82:189-197
- [14] Zhou Yanbo\*, Fang Xingbin, Zhang Zhiqing, Hu Yonghua, Lu Jun, An oxygen slow-releasing material and its application in water remediation as oxygen supplier, Environmental Technology, 2017,38(22):2793-2799
- [15] Zhang Ruzhuang, Zhou Yanbo\*, Gu Xiaochen, Lu Jun. Effect of hexadecyltrimethyl ammonium bromide on the modified rice straw characteristics and its sorption behavior of phenanthrene. Desalination and Water Treatment, 2016,57(32):15220 15229.
- [16] Gao Jie, Yin Jun, Zhu Feifei, Chen Xin, Tong Ming, Kang Wanzhong, Zhou Yanbo, Lu Jun\*. Integration study of a hybrid solvent MEA-Methanol for post combustion carbon dioxide capture in packed bed absorption and regeneration columns, Separation and Purification Technology, 2016,167:17-23
- [17] Zhang Ruzhuang, Zhou Yanbo\*, Gu Xiaochen, Lu Jun. Competitive Adsorption of Methylene Blue and Cu2+ onto Citric Acid Modified Pine Sawdust. CLEAN Soil, Air, Water. 2015, 43(1):
- [18] Zhou Yanbo\*, Gu Xiaochen, Zhang Ruzhuang, Lu Jun. Influences of various cyclodextrins on the photo-degradation of phenol and bisphenol A under UV light. Industrial & Engineering Chemistry Research. 2015, 54 (1): 426–433.
- [19] Zhou Yanbo\*, Zhang Ruzhuang, Gu Xiaochen, Zhao Qing, Lu Jun. Sorption characteristics of phenanthrene and pyrene to surfactant-modified peat from aqueous solution: the contribution of partition and adsorption. Water Science and Technology. 2015, 71(2): 296–302.
- [20] Zhu Feifei, Gao Jie, Chen Xin, Tong Ming, Zhou Yanbo, Lu Jun\*. Hydrolysis of Urea for Ammonia-Based Wet Flue Gas Desulfurization.Industrial & Engineering Chemistry Research, 2015, 54 (37): 9072-9080.
- [21] Zhou Yanbo\*, Zhang Ruzhuang, Gu Xiaochen, Lu Jun. Adsorption of divalent heavy metal ions from aqueous solution by citric acid modified pine sawdust. Separation Science and Technology, 2015, 50(2):245-252.