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教育经历:

牛军峰

1992. 9—1996. 7 青岛化工学院精细化工系, 工学学士
1996. 9—1999. 7 郑州工业大学化工学院, 工学硕士
1999. 9—2002. 9 大连理工大学环境学院, 工学博士

工作经历:

2001. 5—2002. 5 德国国家环境与健康研究中心 (GSF) 生态化学研究所 (IOC), 访问学者
2002. 10—2004. 6 清华大学环境科学与工程系, 博士后
2004. 7—至今 北京师范大学环境学院, 历任讲师; 副教授; 教授, 博士生导师

研究领域:

- (1) 流域水环境中持久性有毒物质的演变规律及控制原理
- (2) 纳米功能材料的制备原理及其在环境污染物治理中的应用

社会任职:

获奖情况:

教育部技术发明一等奖 (1, 2012)

教育部自然科学奖二等奖 (3, 2008年)

教育部科学技术进步奖一等奖 (4, 2008年)

入选教育部新世纪优秀人才支持计划 (2008年度)

参与研究:

1. 国家自然科学基金面上项目, 2011. 01-2013. 12, 项目负责人
2. 国家自然科学基金青年基金项目, 2008. 01-2010. 12, 项目负责人
3. 国家高技术研究发展计划 (863计划) 项目, 2007-2009, 项目负责人
4. 教育部“新世纪优秀人才支持计划”项目, 2009. 1-2011. 12, 项目负责人
5. “十一五”国家科技支撑计划课题. 2009. 1-2011. 12, 第四课题负责人
6. 教育部科学技术研究重点项目. 2009. 1-2010. 12, 项目负责人

7. 国家重点基础研究发展规划（973）项目. 2010-2014, 学术骨干
8. 霍英东教育基金会第十二届高等院校青年教师基金基础性研究课题资助. 2010-2013, 项目负责人
9. 教育部留学回国人员科研启动基金, 2004-2006, 项目负责人

论文专著:

出版论（译）著:

1. (1) 刘新会, 牛军峰, 史江红, 刘希涛编. 《环境与健康》, 北京: 北京师范大学出版社, 2009. 8
- (2) 沈珍瑶, 牛军峰, 齐珺, 王丽莉, 唐阵武, 冯精兰著. 《长江中游典型段水体污染特征及生态风险》, 北京: 中国环境科学出版社, 2008. 9
- (3) 余刚, 牛军峰, 黄俊等编著. 《持久性有机污染物—新的全球性环境问题》, 北京: 科学出版社, 2005. 4

近年来发表学术论文(SCI文章50余篇, 已授权国家发明专利10余项):

1. Niu J.F., * Lin H., Xu J.L., Wu H., Li Y.Y. Electrochemical Mineralization of Perfluorocarboxylic Acids (PFCAs) by Ce-doped Modified Porous Nano-crystalline PbO₂ Film Electrode. Environmental Science & Technology, 2012, 46(18): 10191-10198
2. Lin H., Niu J.F., * Ding S.Y., Zhang L.L. Electrochemical degradation of perfluorooctanoic acid (PFOA) by Ti/SnO₂-Sb, Ti/SnO₂-Sb/PbO₂ and Ti/SnO₂-Sb/MnO₂ anodes. Water Research, 2012, 46(7): 2281-2289
3. Dai Y.R., Yin L.F., Niu J.F.* Laccase-carrying electrospun fibrous membranes for adsorption and degradation of PAHs in shale soils. Environmental Science & Technology, 2011, 45(24): 10611-10618
4. Dai Y.R., Niu J.F., * Liu J., Yin L.F., Xu J.J. In situ encapsulation of laccase in nanofibers by emulsion electrospinning: Preparation, characterization, and application. Bioresource Technology, 2010, 101 (23), 8942-8947
5. Yin L.F., Niu J.F., * Shen Z.Y., Chen J. Mechanism of reductive decomposition of pentachlorophenol by Ti-doped β -Bi₂O₃ under visible light irradiation. Environmental Science & Technology, 2010, 44(14): 5581 - 5586
6. Wang L.L., Yang Z.F., * Niu J.F., Wang J.Y. Characterization, ecological risk assessment and source diagnostics of polycyclic aromatic hydrocarbons in water column of the Yellow River Delta, one of the most plenty biodiversity zones in the world. Journal of Hazardous Materials, 2009, 169(1-3): 460-465
7. Yang Z.F., * Shen Z.Y., Gao F., Tang Z.W., Niu J.F., He Y.

Polychlorinated Biphenyls in Urban Lake Sediments from Wuhan, Central China: Occurrence, Composition, and Sedimentary Record. *Journal of Environmental Quality*, 2009, 38(4): 1441-1448

8. Yang Z.F.*, Shen Z.Y., Gao F., Tang Z.W., Niu J.F. Occurrence and possible sources of polychlorinated biphenyls in surface sediments from the Wuhan reach of the Yangtze River, China. *Chemosphere*, 2009, 74(11): 1522-1530
9. Zhang Z.Y., Niu J.F., * Zhi X. A QSAR model for predicting mutagenicity of nitronaphthalenes and methylnitronaphthalenes. *Bull. Environ. Contam. Toxicol.*, 2008, 81(5): 498-502
10. Feng J.L., Shen Z.Y., Niu J.F., Yang Z.F.* The role of sediment resuspension duration in release of PAHs. *Chin. Sci. Bull.*, 2008, 53(18): 2777-2782
11. Yang Z.F., * Feng J.L., Niu J.F., Shen Z.Y.* Release of polycyclic aromatic hydrocarbons from Yangtze River sediment cores during periods of simulated resuspension. *Environ. Pollut.*, 2008, 155(2): 366-374
12. Wang L.L., Niu J.F., Yang Z.F., * Shen Z.Y., Wang J.Y. Effects of carbonate and organic matter on sorption and desorption behavior of polycyclic aromatic hydrocarbons in the sediments from Yangtze River. *J. Hazard. Mater.*, 2008, 154(1-3): 811-817
13. Wang H.Y., Niu J.F., * Long X.X., He Y. Sonophotocatalytic degradation of methyl orange by nano-sized Ag/TiO₂ particles in aqueous solutions. *Ultrasound. Sonochem.*, 2008, 15(4), 386-392.
14. Tang Z.W., Yang Z.F., Shen Z.Y., Niu J.F.*, Cai Y.P. Residues of organochlorine pesticides in water and suspended particulate matter from Yangtze River catchment of Wuhan, China. *Environ. Monit. Assess.*, 2008, 137(1-3), 427-439
15. Tang Z.W., Yang Z.F., Shen Z.Y., Niu J.F.*, Liao R.F. Distribution and sources of organochlorine pesticides in sediments from typical catchment of Yangtze River, China. *Arch. Environ. Contam. Toxicol.*, 2007, 53(3), 303-312
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17. Feng J.L., Yang Z.F., Niu J.F., Shen Z.Y.* Remobilization of polycyclic aromatic hydrocarbons during the resuspension of Yangtze River sediments using a particle entrainment simulator. *Environ. Pollut.*, 2007, 149(2), 193-200
18. Long X.X., Niu J.F.* Estimation of gas-phase reaction rate constants of alkyl naphthalenes with chlorine, hydroxyl and nitrate radicals. *Chemosphere*, 2007, 67(10), 2028-2034
19. Niu J.F., * Long X.X., Shi S.Q. Quantitative structure-activity

- relationships for prediction of the toxicity of hydroxylated and quinoid PCB metabolites. *J. Mol. Model.*, 2007, 13(1), 163-169
20. Niu J.F., * Sun P., Schramm K.-W. Photolysis of polycyclic aromatic hydrocarbons associated with fly ash particles under simulated sunlight irradiation. *J. Photochem. Photobiol. A: Chem.*, 2007, 186(1), 93-98
21. Niu J.F., * Wang L.L., Yang Z.F. QSPRs on photodegradation half-lives of atmospheric chlorinated polycyclic aromatic hydrocarbons associated with particulates. *Ecotox. Environ. Safe.*, 2007, 66(2), 272-277
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24. Niu J.F., * Yang Z.F., Shen Z.Y., Long X.X. Estimation of photolysis lifetimes of the nitronaphthalenes and methylnitronaphthalenes. *Bull. Environ. Contam. Toxicol.*, 2005, 75(4), 813-819
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26. Niu J.F., Chen J.W., * Quan X., Yang F.L., Henkelmann B., Schramm K.-W. Effects of UV-B on photochemical behaviour of fly ash particle-associated PCDD/Fs. *Bull. Environ. Contam. Toxicol.*, 2004, 73(4), 717-724
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35. 齐珺, 牛军峰*, 王丽莉. 基于遗传-支持向量机和遗传-径向基神经网络的有机物正辛醇-水分配系数QSPR研究. 环境科学, 2008, 29(1), 212-218
36. 智昕, 牛军峰, 唐阵武, 杨志峰*. 长江水系武汉段典型有机氯农药的生态风险评价. 环境科学学报, 2008, 28(1), 168-173
37. 冯精兰, 牛军峰*. 长江武汉段不同粒径沉积物中多环芳烃 (PAHs) 分布特征. 环境科学, 2007, 28(7), 1573-1577
38. 隆兴兴, 牛军峰*, 史姝琼. 邻苯二甲酸酯类化合物正辛醇-水分配系数的QSPR研究. 环境科学, 2006, 27(11), 2318-2322
39. 赵伟, 杨志峰*, 牛军峰. 城市生态经济系统模型构建与分析. 环境科学学报, 2005, 25(10), 1425-1430.