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学位：博士
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教育经历：

1992年，武汉大学环境科学系环境化学专业，理学学士学位
1995年，北京师范大学环境科学研究所环境地理学专业，硕士学位
1998年，北京大学城市与环境学系自然地理学专业，研究方向为环境地球化学，理学博士学位

工作经历：

1998年—2001年 北京师范大学环境科学研究所工作，任讲师
2002年—2003年 在加拿大Regina大学工程学院进行学术高访
2001年—2005年 北京师范大学环境科学研究所工作，任副教授
2006年2月—8月 在美国麻省理工学院进行学术访问
2005年7月- 北京师范大学环境学院工作，任教授、博士生导师

研究领域：

目前的研究领域主要包括以下几方面：

1. 流域水环境过程、与全球变化相关的地表水和地下水水质变化；
2. 水环境界面过程；
3. 有毒有机污染物的形态和生物有效性；
4. 水体和土壤污染修复机理及技术.

社会任职：

中国环境科学学会水环境分会常务理事，2011年10月—
中国地理学会环境地理与化学地理专业委员会委员，2004年12月-
Society of Environmental Toxicology and Chemistry 会员，2006.1
International Journal of Geosciences 编委，2010.5—
Global Journal of Environmental Science and Technology 编委，2010.5—
Journal of Bioremediation & Biodegradation 编委，2011.1—
Environmental Systems Research 编委，2012.6-

获奖情况：

2009年入选教育部“新世纪优秀人才支持计划”
2002年获北京师范大学科技进步一等奖

2003年获中国环境科学学会“青年科技奖”

2005年获山西省科技进步三等奖，排名第三

2006年获教育部科学技术进步一等奖，获奖项目“流域水资源可再生基础理论”，排名第四

2008年获教育部科技进步一等奖，获奖项目“流域水、沙、污染物相互作用研究”，排名第八。

2008年获国家科技进步二等奖“流域生态系统健康的水资源保障技术”，排名第六

2011年获北京市科学技术奖一等奖（基础研究类）“高含沙河流中泥沙对水质的影响过程及机理研究”，排名第一

参与研究：

正在进行的主要科研项目

1. 主持国家重点基础研究发展规划(973)课题“气候变化背景下水资源安全评估和适应对策研究”，2010-2014 (2010CB951104)
2. 主持国家自然科学基金项目“水体不同形态和组成有机质对典型全氟化合物生物富集作用的影响”，2013-2016(51279010)
3. 主持国家自然科学基金面上项目“黄河水沙条件对典型有毒有机污染物生物有效性的影响”(2011-2013) 51079003
4. 主持北京师范大学自主科研基金重点项目“复杂水环境中典型有毒有机污染物的形态和生物有效性”(2009SD -8)
5. 作为流域水环境化学方向带头人参加国家创新研究群体科学基金“流域水环境、水生态与综合管理”，2012-2014 (51121003)
6. 作为学术骨干参加国家重点基础研究发展规划项目：“持久性有机污染物的环境行为、毒性效应与控制技术原理”(2009CB421605)
7. 主持高校博士点基金项目“典型全氟化合物在包气带中的迁移转化过程及其对地下水的影响研究”

已完成的主要科研项目

1. 主持国家自然科学基金“不同区域水环境中有毒有机污染物在微界面的化学行为与生物降解耦合机理” 40571138
2. 主持全国土壤污染状况调查项目“北京市土壤背景点环境质量状况调查与对比分析”
3. 主持全国土壤污染状况调查项目“北京不同土地利用类型城市土壤环境质量状况调查与评价”
4. 主持国家自然科学基金“水体颗粒物对几种烃类污染物自然降解过程的影响研究”(2003-2005年) 40201046
5. 作为技术负责人参加国家自然科学基金重点项目“黄河典型污染物迁移转化规律研究”(2003-2006年) 50239010
6. 主持国家自然科学基金对外交流与合作项目“有毒有机污染物在水环境中的归趋过程研究”，2005年，40514017

7. 北京师范大学创新研究群体基金, 环境模拟、规划与管理, 2003-2006, 学术骨干
8. 作为学术骨干参加国家重点基础研究发展规划项目: “黄河流域水资源演化规律与可再生性维持机理”(2000-2004) (G1999043605)。
9. 作为学术骨干参加国家重点基础研究发展规划项目: “长江流域水沙产输及其与环境变化耦合机理” 2003CB415204
10. 主持水资源与水电工程科学国家重点实验室开放基金“水体颗粒物对几种烃类污染物降解过程的影响研究”, 2003, 9-2005, 9, 2003B004
11. 主持“山西省平遥县环境综合整治规划”, 山西省平遥县政府, 2002, 7-2004, 12
12. 国家自然科学基金资助项目: “利用日光能催化降解水体有机污染物研究”, 主要参加者(1996-1999)
13. 北京师范大学青年基金资助项目: “水体有机污染物的光催化降解研究”(1998-2000)

论文专著:

共在国际国内学术期刊上发表论文100余篇, 其中SCI论文50余篇, 代表性论文如下:

1. **Xinghui Xia***, Yawei Zhai, Jianwei Dong, Contribution Ratio of Freely to Total Dissolved Concentrations of Polycyclic Aromatic Hydrocarbons (PAHs) in Natural River Waters, *Chemosphere*
2. Ying Zhao, Zhifeng Yang*, **Xinghui Xia***, Fei Wang, A shallow lake remediation regime with *Phragmites australis*: incorporating nutrient removal and water evapotranspiration, *Water Research*, 2012, 46: 5635 -5644
3. Zhifeng Yang, Ying Zhao, **Xinghui Xia***, Nitrous oxide emissions from *Phragmites australis* dominated zones in a shallow lake, *Environmental Pollution*, 2012, 166: 116-124.
4. **Xinghui Xia***, Ju Zhang, Yujuan Sha, Jianbing Li, Impact of Irreversible Sorption of Phthalate Acid Esters on Their Sediment Quality Criteria, *Journal of Environmental Monitoring*, 2012, 14: 258-265
5. Mohai Shen, **Xinghui Xia***, Fan Wang, Pu Zhang, Xiuli Zhao, Influences of Multi-walled Carbon Nanotubes and Plant Residue Chars on Bioaccumulation of Polycyclic Aromatic Hydrocarbons by *Chironomus plumosus* Larvae in Sediment, *Environmental Toxicology and Chemistry*, 2012, 31(1): 202 - 209
6. **Xinghui Xia***, Zhineng Dai, Ju Zhang, Sorption of phthalate acid esters on black carbon from different sources, *Journal of Environmental Monitoring*, 2011, 13, 2858-2864
7. Xi Chen, **Xinghui Xia***, Xilong Wang, Jinping Qiao, Huiting Chen, A comparative study on sorption of perfluorooctane sulfonate (PFOS) by chars, ash and carbon nanotubes, *Chemosphere*, 2011, 83: 1313 - 1319
8. **Xinghui Xia***, Yiran Li, Zhui Zhou, Chenglian Feng, Bioavailability of adsorbed phenanthrene by black carbon and multi-walled carbon nanotubes to *Agrobacterium*,

9. Xi Chen, **Xinghui Xia***, Ye Zhao, Ping Zhang, Heavy metal concentrations in roadside soils and correlation with urban traffic in Beijing, China, *Journal of Hazardous Materials*, 2010, 181: 640-646
10. Shan Wu, **Xinghui Xia***, Chunye Lin, Xi Chen, Chuanhui Zhou, Levels of arsenic and heavy metals in the rural soils of Beijing and their changes over the last two decades (1985 - 2008), *Journal of Hazardous Materials*, 2010, 179, 860 - 868
11. Xi Chen, **Xinghui Xia***, Shan Wu, Fan Wang, Mercury in Urban Soils with Various Types of Land Use in Beijing, China, *Environmental Pollution*, 2010, 158: 48-54
12. **Xinghui Xia***, Zhifeng Yang, Xueqing Zhang, Effect of Suspended-sediment Concentration on Nitrification in River Water: Importance of Suspended Sediment-water Interface, *Environmental Science & Technology*, 2009, 43, 3681 - 3687
13. **Xinghui Xia***, Gongchen Li, Zhifeng Yang, Yumin Chen, Gordon H. Huang, Effects of Fulvic Acids Concentration and Origin on Photodegradation of Polycyclic Aromatic Hydrocarbons in Aqueous Solution: Importance of Active Oxygen, *Environmental Pollution*, 2009, 157: 1352-1359
14. **Xinghui Xia***, Zhifeng Yang, Incorporating Eco-environmental Water Requirements in Integrated Evaluation of Water Quality and Quantity—A study for the Yellow River, *Water Resource Management*, 2009, 23: 1067-1079
15. Zhifeng Yang, **Xinghui Xia**, Guohe Huang, Jingsong Zhou, Hui Yu and Xiang Rong, Effect of particles on the Biodegradation of Petroleum Contaminants in Natural Waters, *Petroleum Science and Technology*, 2008, 26:7, 868-886
16. Fan Wang, **Xinghui Xia***, Distribution of Phthalic Acid Esters in Wuhan section of the Yangtze River, China, *Journal of Hazardous Materials*, 2008, Vol 154/1-3, pp 317-324
17. **Xinghui Xia***, Suzhen Li, Zhenyao Shen, Effect of Nitrification on Nitrogen Flux across Sediment-Water Interface, *Water Environment Research*, 2008, 80(11): 2175-2182
18. **Xinghui Xia***, Ran Wang, Effect of sediment particle size on PAH biodegradation: importance of the sediment-water interface, *Environmental Toxicology and Chemistry*, 2008, 27(1): 119-125
19. Yujuan Sha, **Xinghui Xia***, Zhifeng Yang et al., Distribution of PAEs in the middle and lower Reaches of the Yellow River, China, *Environmental Monitoring and Assessment*, DOI 10.1007/s10661-006-9225-6, 2007, 124(1-3):277-287
20. Chenglian Feng, **Xinghui Xia***, Zhenyao Shen, Zhui Zhou, Distribution and sources of polycyclic aromatic hydrocarbons in the Wuhan section of the Yangtze River, *Environmental Monitoring and Assessment*, 2007, 10月, 133(1-3): 447-458, DOI 10.1007/s10661-006-9599-5
21. **XIA Xinghui***, Meng Lihong, Hu Lijuan, Adsorption and partition of benzo(a)pyrene on sediments with different particle sizes from the Yellow River, *Front. Environ. Sci. Engin. China*, 2007, 1(2): 172-178
22. Gongchen Li, **Xinghui Xia***, Zhifeng Yang et al., Distribution and sources of polycyclic aromatic hydrocarbons in the middle and lower reaches of the Yellow River, China, *Environmental Pollution*, 2006, 144: 985-993

23. **Xinghui Xia***, Xi Zhang, Effect of Particles on the Photodegradation of PAHs in Natural Waters—A Study for the Yellow River, The 7th International Symposium on Environmental Geochemistry, 24-27 September 2006, Chinese Journal of Geochemistry, 2006, 25(Suppl), p263 (EI)
24. **X. H. Xia***, H. Yu, Z.F. Yang, G. H. Huang, Biodegradation of polycyclic aromatic hydrocarbons in the natural waters of the Yellow River: effects of high sediment content on biodegradation, Chemosphere, 2006, 65: 457-466
25. **Xinghui Xia***, Zhifeng Yang, Ran Wang and Lihong Meng, Contamination of oxygen-consuming organics in the Yellow River of China, Environmental Monitoring and Assessment, 2005, 110, no. 1-3: 185-202
26. Jingsheng Chen, Feiyue Wang, Michel Meybeck, Dawei He, **Xinghui Xia** and Litian Zhang, Spatial and Temporal Analysis of Water Chemistry Records (1958-2000) in the Huanghe (Yellow River) Basin, Global Biogeochemical Cycles, 2005, 19, GB3016, doi:10.1029/2004GB002325. (3.796)
27. **Xinghui Xia**, Lihong Meng, Zhifeng Yang, Influence of Humic Substance in Solids on the Measurement of Oxygen-Consuming Organics of the Yellow River, Journal of Environmental Informatics, 2005, 6(1): 51-57
28. **Xinghui Xia***, Zhifeng Yang, Guohe Huang, Xueqing Zhang, Hui Yu and Xiang Rong, Nitrification in Natural Waters with High Suspended-solid Content—A Study for the Yellow River, Chemosphere, 2004, 57: 1017-1029
29. **Xinghui Xia***, Zhifeng Yang, Guohe Huang et al. Integrated water quantity and quality evaluation of the Yellow River, Water International, 2004, 29 (4): 423-431
30. Lihong Meng, **Xinghui Xia***, Influence of humic substance in solids on CODMn of the Yellow River, Surface Mining - Braunkohle and Other Minerals, Volume 55, Issue 1, January 2003, Pages 132-135
31. **Xia Xinghui**, Yun Ying, Xu Jialin, Effects of Common Inorganic Anions on the Rates of Photocatalytic Degradation of Sodium Dodecylbenzenesulfonate Over Illuminated Titanium Dioxide, Journal of Environmental Sciences, 2002, 14(2): 188-194)
32. **Xia Xinghui**, Zhou Jinsong, Yang Zhifeng, Nitrogen contamination in the Yellow River basin of China, Journal of Environmental Quality, 2002, 31(3): 917-925
33. Jingsheng Chen, Feiyue Wang, **Xinghui Xia** and Litian Zhang, Major element chemistry of the Changjiang (Yangtze River), Chemical Geology, 2002, 187: 231-255
34. **Xia Xinghui**, Chen Jingsheng, Cai Xuyi, Spectrum characteristics of major ion concentrations at Wuhan section of the Chiangjiang River, Chinese Geographical Science, 2001, 11(4): 315-320。
35. **Xia Xinghui**, Linli, Xu Jialin, Mixed surfactant washing of petroleum contaminants from the soils of unsaturated zone, Journal of Environmental Sciences, 2000, 12 (1): 108-114。
36. Chen Jingsheng, Gao Xuemin, He Dawei, **Xia Xinghui**, Nitrogen contamination in the Yangtze River system, China, Journal of Hazardous Materials, A73 2000, 107-113
37. Chen Jingsheng, **Xia Xinghui**, Progress in research on river water chemistry in China, Chinese Geographical Science, 2000, 10(1): 7-12