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简历:

颜昌宙, 男, 博士, 研究员, 博士生导师。1993年获得吉林大学环境科学专业学士学位, 1999年获得中国环境科学研究院环境科学专业硕士学位, 2006年获得中国科学院生态环境研究中心生态学专业博士学位。研究领域为重金属-水生植物相互作用、湿地生态修复和区域生态风险评价研究。主持和参加了10余项国家和地方的科研项目: 国家自然科学基金项目“大型水生植物对重金属的吸附/吸收机制及其生理响应”、国家重点基础规划项目课题“湖滨带构建的生态学基础”、中国科学院重要方向项目“滨海湿地生源要素循环的界面过程与温室气体排放的微生态学机制”、国家“十五”重大科技专项子课题“重污染水体底泥疏浚与生态重建技术”和“九五”科技攻关项目“洱海湖滨带生态恢复技术研究”等。在国内外学术刊物上发表论文60余篇。

研究领域:

重金属-植物相互作用、湿地生态修复和区域生态风险评价

社会任职:

获奖及荣誉:

代表论著:

- 1.Wang ZS, Yan CZ (通讯作者), Vulpe CD, et al. Incorporation of in situ exposure and biomarkers response in clams *Ruditapes philippinarum* for assessment of metal pollution in coastal areas from the Maluan Bay of China. *Marine Pollution Bulletin* 2011, doi: 10.1016/j.marpolbul.2011.10.017.
- 2.Wang ZS, Yan CZ (通讯作者), Yan YJ, et al. Integrated assessment of biomarker responses in caged shrimps (*Litopenaeus vannamei*) exposed to complex contaminants from the Maluan Bay of China. *Ecotoxicology* 2011, DOI: 10.1007/s10646-011-0849-0.
- 3.Xue PY and Yan CZ (通讯作者). Arsenic accumulation and translocation in the submerged macrophyte *Hydrilla verticillata* (L.f.) Royle. *Chemosphere* 2011, 85: 1176-1181.
- 4.Luo ZX, Wang ZH, Wei QS, Yan CZ (通讯作者) and Liu F. Effects of engineered nano-titanium dioxide on pore surface properties and phosphorus adsorption of sediment: Its environmental implications. *Journal of Hazardous Materials* 2011, 192: 1364 - 1369.
- 5.Luo ZX, Wang ZH, Li QZ, Pan QK, Yan CZ (通讯作者) and Liu F. Spatial distribution, electron microscopy analysis of titanium and its correlation to heavy metals: Occurrence and sources of titanium nanomaterials in surface sediments from Xiamen Bay, China. *Journal of Environmental Monitoring* 2011, 13: 1046-1052.
- 6.Xue PY, Li GX, Liu WJ, Yan CZ (通讯作者). Copper uptake and translocation in a submerged aquatic plant *Hydrilla verticillata* (L.f.) Royle. *Chemosphere* 2010, 81: 1098-1103.
- 7.Li QZ, Luo ZX, Yan CZ (通讯作者), Zhang X. Assessment of polychlorinated biphenyls contamination in sediment and

- organism from Xiamen offshore area, China. Bull of Environmental Contamination and Toxicology, 2011, 4:372-376.
- 8.Zhang X, Gao YJ, Li QZ, Li GX, G QH, Yan CZ(通讯作者). Distribution characteristics of estrogenic compounds in surface water, sediments and organisms from Yundang Lagoon in Xiamen, China. Archives of Environmental Contamination and Toxicology 2011, 61(1): 93 - 100.
- 9.Wang ZS, Yan CZ. Effects of Dietary Cadmium Exposure on Reproduction of Saltwater Cladoceran *Moina monogolica* Daday: Implications in Water Quality Criteria. Environmental Toxicology and Chemistry, 2010, 29:365-372.
- 10.Li QZ, Yan CZ (通讯作者), Luo ZX, Zhang X.. Occurrence and levels of polybrominated diphenyl ethers (PBDEs) in recent sediments and marine organisms from Xiamen offshore areas, China. Marine Pollution Bulletin 2010, 60, 464-469.
- 11.Yan CZ (通讯作者), Li G.X, Xue PY, et al. Competitive effect of Cu(II) and Zn(II) on the biosorption of lead(II) by *Myriophyllum spicatum*. Journal of Hazardous Materials 2010, 179:721 - 728.
- 12.Luo ZX, Wang ZH, Li QZ, Pan QK, Yan CZ (通讯作者). Effects of titania nanoparticles on phosphorus fractions and its release in resuspended sediments under UV irradiation, Journal of Hazardous Materials 2010, 174(1-3): 477-483.
- 13.Yan CZ (通讯作者), Li QZ, Zhang X, Li GX. Mobility and ecological risk assessment of heavy metals in surface sediments of Xiamen Bay and its adjacent areas, China. Environmental Earth Sciences 2010, 60(7): 1469-1479.
- 14.Li QZ, Zhang X, Yan CZ(通讯作者). Polycyclic aromatic hydrocarbons contamination of recent sediments and marine organisms from Xiamen Bay, China. Archives of Environmental Contamination and Toxicology 2010, 58: 711 - 721.
- 15.Li GX, Xue PY, Yan CZ(通讯作者). Copper biosorption by *Myriophyllum spicatum*: Effect of temperature and pH, Korean Journal of Chemical Engineering 2010, 27(4): 1239-1245.
- 16.Wang ZS, Yan CZ, Zhang X. Acute and chronic cadmium toxicity to a saltwater cladoceran *Moina monogolica* Daday and its relative importance. Ecotoxicology 2009, 18:47-54.
- 17.Zhang X, Li QZ, Li GX, Wang ZS, Yan CZ (通讯作者). Levels of estrogenic compounds in Xiamen Bay sediment, China, Marine Pollution Bulletin 2009, 58, 1210 - 1216.
- 18.Yan CZ(通讯作者), Lu X, Zhao XL. Protection and sustainable utilization of water resources in Lake Erhai basin. The international Journal of Sustainable Development & World Ecology 2008, 15, 357-361.
- 19.Jin XC, Xu QJ, Yan CZ, et al. Effects of pH on antioxidant enzymes and ultrastructure of *Hydrilla verticillata*. Journal of Freshwater Ecology 2006, 21, 77-80.