

ISSN 1000-3207

水生生物学报

ACTA HYDROBIOLOGICA SINICA

第46卷

Vol. 46

第10期

No. 10

2022



ISSN 1000-3207



中国科学院水生生物研究所 主办
中国海洋湖沼学会
科学出版社 出版



水生生物学报

(SHUI SHENG SHENG WU XUE BAO)

2022年10月 第46卷 第10期 Vol. 46 No. 10



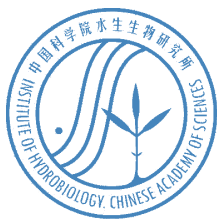
目次

人工湿地

- 人工湿地微生物燃料电池耦合系统对典型全氟化合物的去除效果 嵇斌 赵亚乾 杨扬 邵义萍 黎绮文 卫婷 (1429)
- E2-3S在水平流人工湿地中的降解与转化 付晶森 李睿 杨扬 张晓萌 陈善旭 陆慧琳 王雪丽 黄梦娜 王茜琰 戴玉女 (1437)
- 深型复合垂直流人工湿地对模拟污水处理厂尾水中PBDEs的去除研究 吴佩 高科技 刘涛 王亚芬 (1447)
- 人工湿地净化污水处理厂低浓度尾水的效果 李青 张琼华 周卫东 朱瑞亭 DZAKPASU Mawuli 熊家晴 王晓昌 (1456)
- 稻田湿地循环利用池塘养殖尾水效果 陶玲 彭格格 陈思媛 郝柳柳 代梨梨 彭亮 李谷 (1466)
- 以RAS固体废弃物为碳源的改进型人工湿地对养殖尾水的脱氮效果 曹涛涛 徐栋 白国梁 胡泽 陈迪松 吴振斌 (1475)
- 铜和磺胺甲噁唑复合污染下人工湿地对禽畜养殖尾水的处理效果 杨玲丽 马琳 刘伟 褚一凡 谭启洋 周巧红 吴振斌 贺锋 (1484)
- 基于水位调控的垂直流人工湿地强化脱氮研究 左尚武 王月圆 余少乐 李子辰 吴娟 成水平 (1494)
- 不同类型底栖动物对表面流人工湿地系统水质净化的影响 郭颖 谢慧君 张建 (1501)
- 水平潜流人工湿地堵塞初期微生物群落结构变化 张明珍 曹涛涛 刘伟 李前正 胡泽 陈迪松 吴振斌 徐栋 (1510)
- 两种生物电化学系统原位缓解人工湿地生物堵塞效果 李志伟 林莉莉 刘泳宏 张波 鲁纳 吴振斌 肖恩荣 (1518)
- 水库河口消落区水文条件改造及环境效应 苏广宇 许士国 李懿健 谢楚依 (1527)
- 基于协同发展的北方湿地公园生态修复技术研究——以琉璃河湿地公园为例 李咏红 (1535)

长江十年禁渔

- 长江中下游干流大型底栖动物的分布模式 张梦娜 高文娟 张婷玉 赵永晶 吴兴华 李媛 王洪铸 崔永德 (1546)
- 长江口地区五种腹毛类纤毛虫的形态学研究 张子慧 祝晓璇 姜佳枚 (1556)
- 长江鲟幼鱼的听觉阈值研究 项杰 邹巧林 杜浩 王成友 危起伟 (1563)
- 禁捕初期鄱阳湖鱼类群落的结构特征 阳敏 盛漂 张燕萍 过龙根 王海华 高小平 陈宇顺 (1569)
- 长江禁捕后长江口刀鲚资源特征 马凤娇 杨彦平 方弟安 应聪萍 徐跑 刘凯 殷国俊 (1580)



ACTA HYDROBIOLOGICA SINICA

Vol. 46, No. 10, Oct., 2022

CONTENTS

Constructed Wetland

- Removal of typical perfluoroalkyl substances by microbial fuel cell coupling constructed wetland system JI Bin, ZHAO Ya-Qian, YANG Yang, TAI Yi-Ping, LI Qi-Wen and WEI Ting (1436)
- Degradation and transformation of E2-3S in horizontal flow constructed wetland FU Jing-Miao, LI Rui, YANG Yang, ZHANG Xiao-Meng, CHEN Shan-Xu, LU Hui-Lin, WANG Xue-Li, HUANG Meng-Na, WANG Xi-Yan and DAI Yu-Nü (1446)
- Removal of pbdes from simulated effluent of wastewater treatment plant by deep integrated vertical flow constructed wetland WU Pei, GAO Ke-Ji, LIU Tao and WANG Ya-Fen (1455)
- Performance of constructed wetland for low concentration effluent purification from sewage treatment plant LI Qing, ZHANG Qiong-Hua, ZHOU Wei-Dong, ZHU Rui-Ting, DZAKPASU Mawuli, XIONG Jia-Qing and WANG Xiao-Chang (1465)
- Effect of recycling fishpond wastewater in paddy wetland TAO Ling, PENG Ge-Ge, CHEN Si-Yuan, HAO Liu-Liu, DAI Li-Li, PENG Liang and LI Gu (1474)
- Nitrogen removal effect of aquaculture water through improved constructed wetland using recirculating aquaculture system solid waste as carbon source CAO Tao-Tao, XU Dong, BAI Guo-Liang, HU Ze, CHEN Di-Song and WU Zhen-Bin (1483)
- Purification performance of rural livestock and poultry breeding tail water by constructed wetland under Cu and SMZ combined pollution YANG Ling-Li, MA Lin, LIU Wei, CHU Yi-Fan, TAN Qi-Yang, ZHOU Qiao-Hong, WU Zhen-Bin and HE Feng (1493)
- Enhanced nitrogen removal over saturated water level regime in vertical flow constructed wetland ZUO Shang-Wu, WANG Yue-Yuan, YU Shao-Le, LI Zi-Chen, WU Juan and CHENG Shui-Ping (1500)
- Effects of different benthic fauna on water purification in surface flow constructed wetland system GUO Ying, XIE Hui-Jun and ZHANG Jian (1509)
- Microbial community structure during the initial clogging stage in horizontal subsurface flow constructed wetlands ZHANG Ming-Zhen, CAO Tao-Tao, LIU Wei, LI Qian-Zheng, HU Ze, CHEN Di-Song, WU Zhen-Bin and XU Dong (1517)
- Exploring the *in-site* mitigation of bio-clogging of constructed wetlands by two bio-electrochemical systems LI Zhi-Wei, LIN Li-Li, LIU Yong-Hong, ZHANG Bo, LU Rui, WU Zhen-Bin and XIAO En-Rong (1526)
- Hydrological improvement and environmental effect of transforming hydrological elements of the estuarine fluctuation zone SU Guang-Yu, XU Shi-Guo, LI Yi-Jian and XIE Chu-Yi (1534)
- Ecological restoration technology of the northern wetland park, take the Liuli River Wetland Park as an example LI Yong-Hong (1545)

Ten-year Fishing Ban on the Yangtze River

- Distribution patterns of macrozoobenthos in the mid-lower mainstream of the Yangtze River ZHANG Meng-Na, GAO Wen-Juan, ZHANG Ting-Yu, ZHAO Yong-Jing, WU Xing-Hua, LI Yuan, WANG Hong-Zhu and CUI Yong-De (1555)
- Morphology of five hypotrichous ciliates from Yangtze Estuary area ZHANG Zi-Hui, ZHU Xiao-Xuan and JIANG Jia-Mei (1560)
- Threshold of the juvenile *Acipenser dabryanus* Dumeril XIANG Jie, ZOU Qiao-Lin, DU Hao, WANG Cheng-You and WEI Qi-Wei (1568)
- Characteristics of fish assemblages of Poyang Lake at the initial stage of the fishing ban YANG Min, SHENG Piao, ZHANG Yan-Ping, GUO Long-Gen, WANG Hai-Hua, GAO Xiao-Ping and CHEN Yu-Shun (1579)
- Characteristics of *Coilia nasus* resources after fishing ban in the Yangtze River MA Feng-Jiao, YANG Yan-Ping, FANG Di-An, YING Cong-Ping, XU Pao, LIU Kai and YIN Guo-Jun (1590)