

水生态学杂志

(SHUI SHENGTAIXUE ZAZHI)

第 46 卷第 3 期 2025 年 5 月 双月刊

目次

水生态毒理与效应评价

两种挺水植物对水中砷的吸收转运及形态转化差异 李丽珍,李淑慧,张 婷(1)

TBP 与 LEV 混合物对铜绿微囊藻和斜生栅藻的联合毒性效应 沈洪艳,刘爱真,杨 雷,孙新宇,白玉玮,宁 静,孙昊宇(13)

基于 SOM 分析的重金属和有机农药对发光细菌急性毒性效应 刘信勇,朱利明,陈 珊,郭 芳,邹 曦,刘洋洋,常志兵,张晓敏,肖新宗(22)

壬基酚和 17 β -雌二醇对尾草履虫种群生长的影响 刘家乐,齐红莉,李安琪,张欣悦(32)

微塑料和苯并[b]荧蒽暴露对泥蚶免疫的影响及其机理研究 李伟峰,吴俊超,朱 俊,施 巍(40)

纳米二氧化钛影响泥蚶受精的作用机理 俞行洲,旃梓严,漆金宵,刘广绪,赵信国,韩 毓(50)

水产养殖中地西洋的污染特征及生态风险评估 郑皓洁,王旭峰,张安凯,张汉霞,彭家杰,黄 珂(61)

4 类抗生素对水华藻类生长抑制效应及其作用机制 朱佳慧,张梓青,邹盈盈,李洁明(69)

研究论文

长江经济带水生态空间格局演变特征及影响因素 ... 郑博福,张吉洪,何刘洁,吴之见,罗 甜,朱锦奇,万 炜(79)

1999—2019 年若尔盖县湿地面积动态变化及其驱动力分析 潘 芸,张 倩,左世祥,陈建华,简 季,张晓锋,李志军,刘 帅,王炳乾,唐翼鹏,陈炯玲,孙 玉(92)

大规模人工增殖放流对青海湖裸鲤种群多样性的影响 陈生学,刘思嘉,田 菲,祁洪芳,俞录贤,柴长凯,汪 洋,江华敏,李晓环,赵 凯(102)

澜沧江上游 5 座梯级水库坝前鱼类空间分布格局 陈 娜,连玉喜,秦 鑫,杨延东,熊定松,熊 鹰,陈柏言(111)

武江乐昌段鱼类组成及物种多样性的年际变化 高明慧,何力劲,翁士创,谭细畅,孟 伟,李俊虎(121)

衡水湖鱼类群落结构及优势种鱼类体长-体重关系分析... 何 姗,曾 燊,杨 晴,丁庆秋,胡 莲,史 方,邹 曦(133)

都柳江鱼类多样性研究与保护措施建议... 邓 磊,罗 琦,段 茜,唐 倩,李红梅,程 欢,黄仁荣,张仁意(144)

大龙湖大银鱼生长特性、种群资源现状与开发利用 曾皓宇,唐富江,鲁万桥,郑 义,李 喆(157)

基于碳、氮稳定同位素技术的三角湖短颌鲚营养生态位研究 王小玉,翟东东,刘红艳,陈元元,熊 飞,喻记新(165)

鲢幼鱼对 4 种不同声音的回避行为 ... 李卫东,白艳勤,李阳希,鄢玉娇,张金玉,黄晓龙,张 政,石小涛(173)

纳木措秋季沿岸水体真菌群落特征及建群机制初探 王 兰,薛 翌,德 吉,郭小芳(182)

基于文献计量学的生物絮团技术在水产中的研究热点分析 周航先,赵建华,徐奇友(193)

低浓度双酚 A 对沉水植物刺苦草生长和繁殖的影响 韩惠莹,吴 航,支永威,周靖喆,李 伟,袁龙义,操 瑜(205)

一株高效去除亚硝酸盐菌株的筛选鉴定与分子特征 孙瑞彬,白慧颖,袁春营,崔青曼(213)

稀土元素对水生生物毒性效应研究进展 曾露雪,董 伟(221)

非捕获式方法在淡水鱼类资源调查中的应用及展望 匡晨亿,梁智策,文 峰,马玉兴,周 婷,廖传松,刘家寿,郭传波(232)

西江流域鱼类资源衰退状况及对策分析 柳志会,熊芳园,葛晓霞(244)

CONTENTS

Absorption, Translocation and Speciation of Arsenic in Two Macrophytes LI Lizhen, LI Shuhui, ZHANG Ting(1)

Combined Toxicity of Tributyl Phosphate and Levofloxacin on *Microcystis aeruginosa* and *Scenedesmus obliquus* SHEN Hongyan, LIU Aizhen, YANG Lei, SUN Xinyu, BAI Yuwei, NING Jing, SUN Haoyu(13)

Acute Toxicity of Heavy Metals and Organic Pesticides to Luminescent Bacteria Based on SOM Analysis LIU Xinyong, ZHU Liming, CHEN Shan, GUO Fang, ZOU Xi, LIU Yangyang, CHANG Zhibing, ZHANG Xiaomin, XIAO Xinzong(22)

Effects of Nonylphenol and 17 β -estradiol on Population Growth of *Paramecium caudatum* LIU Jiale, QI Hongli, LI Anqi, ZHANG Xinyue(32)

Impact of Microplastics and Benzo[b]fluoranthene Exposure on Immunity of *Tegillarca granosa* and Mechanism Research LI Weifeng, WU Junchao, ZHU Jun, SHI Wei(40)

Effect of Nano Titanium Dioxide on Fertilization of *Tegillarca granosa* YU Xingzhou, ZHAN Ziyan, QI Jinxiao, LIU Guangxu, ZHAO Xinguo, HAN Yu(50)

Pollution Characteristics and Ecological Risk Assessment of Diazepam in Aquaculture ZHENG Haojie, WANG Xufeng, ZHANG Ankai, ZHANG Hanxia, PENG Jiajie, HUANG Ke(61)

Review of the Inhibitory Effects and Mechanisms of Four Types of Antibiotics on Algal Growth ZHU Jiahui, ZHANG Ziqing, ZOU Yingying, LI Jieming(69)

Evolution and Influencing Factors of Hydroecological Spatial Patterns in the Yangtze River Economic Belt ZHENG Bofu, ZHANG Jihong, HE Liujie, WU Zhijian, LUO Tian, ZHU Jinqi, WAN Wei(79)

Changes and Driving Forces of the Wetland Area in Ruoergai County, 1999-2019 PAN Yun, ZHANG Qian, ZUO Shixiang, CHEN Jianhua, JIAN Ji, ZHANG Xiaofeng, LI Zhijun, LIU Shuai, WANG Bingqian, TANG Yipeng, CHEN Jiongling, SUN Yu(92)

Effects of Large-scale Artificial Breeding and Release on the Genetic Diversity of *Gymnocypris przewalskii* CHEN Shengxue, LIU Sijia, TIAN Fei, QI Hongfang, YU Luxian, CHAI Changkai, WANG Yang, JIANG Huamin, LI Xiaohuan, ZHAO Kai(102)

Spatial Distribution of Fish Above Five Cascaded Reservoirs in the Upper Lancang River CHEN Na, LIAN Yuxi, QIN Xin, YANG Yandong, XIONG Dingsong, XIONG Ying, CHEN Baiyan(111)

Fish Species Composition and Diversity in the Lechang Section of Wujiang River GAO Minghui, HE Lijin, WENG Shichuang, TAN Xichang, MENG Wei, LI Junhu(121)

Fish Community Structure and Body Length-weight Relationships of Dominant Species in Hengshui Lake HE Shan, ZENG Yu, YANG Qing, DING Qingqiu, HU Lian, SHI Fang, ZOU Xi(133)

Fish Diversity and Conservation in the Duliu River DENG Lei, LUO Qi, DUAN Qian, TANG Qian, LI Hongmei, CHENG Huan, HUANG Renrong, ZHANG Renyi(144)

Growth, Resource Status and Exploitation of the *Protosalanx chinensis* Population in Dalong Lake ZENG Haoyu, TANG Fujian, LU Wanqiao, ZHENG Yi, LI Zhe(157)

Trophic Niche of *Coilia brachygnathus* in Sanjiao Lake Based on Stable Carbon and Nitrogen Isotope Analysis WANG Xiaoyu, ZHAI Dongdong, LIU Hongyan, CHEN Yuanyuan, XIONG Fei, YU Jixin(165)

Avoidance Behavior of Juvenile Silver Carp *Hypophthalmichthys molitrix* to Four Different Sounds LI Weidong, BAI Yanqin, LI Yangxi, WU Yujiao, ZHANG Jinyu, HUANG Xiaolong, ZHANG Zheng, SHI Xiaotao(173)

Aquatic Fungal Community and Assembly Mechanism in Namco Lake during Autumn WANG Lan, XUE Zhao, DE Ji, GUO Xiaofang(182)

Bibliometric Analysis of Research Hotspots in Biofloc Technology for Aquaculture ZHOU Hangxian, ZHAO Jianhua, XU Qiyou(193)

Effects of Low Concentrations of Bisphenol A on the Growth and Reproduction of *Vallisneria spirulosa* HAN Huiying, WU Hang, ZHI Yongwei, ZHOU Jingzhe, LI Wei, YUAN Longyi, CAO Yu(205)

Screening, Identification and Molecular Characterization of a Highly Efficient Nitrite-Removing Strain of Bacteria SUN Ruibin, BAI Huiying, YUAN Chunying, CUI Qingman(213)

Research Progress on the Toxic Effects of Rare Earth Elements on Aquatic Organisms ZENG Luxue, DONG Wei(221)

Applications and Prospects for Non-capture Approaches to Surveying and Monitoring Freshwater Fish KUANG Chenyi, LIANG Zhice, WEN Feng, MA Yuxing, ZHOU Ting, LIAO Chuansong, LIU Jiashou, GUO Chuanbo(232)

Status and Conservation Strategies for Fish Resources in the Xijiang River Basin LIU Zhihui, XIONG Fangyuan, GE Xiaoxia(244)