

湖泊科学

(Hupo Kexue)

2024年 第36卷 第6期 11月6日

目 次

综 述

- 三峡工程泥沙问题研究进展与展望 (1611)
任实,高宇
水环境中无机还原态磷的研究进展与展望 (1626)
汪宇菲,张云鹏,金苗,张荣飞,韩超

研究论文

——富营养化与水华防控

- 2017—2022年洱海水体营养状态的时空变化趋势及其成因分析 (1639)
华兆晖,李锐,杨智,文紫豪,单航,丑庆川,张霄林,曹特
巢湖水体中磷的季节性波动及其驱动因素 (1650)
张民,高芮,阳振,史小丽,陈开宁,尹洪斌,王丽雅,孟洋洋
太湖微囊藻漂移—聚集规律——基于风与光共同作用的模拟 (1660)
薛宗璞,朱伟,柏松,陈明,陈鑫琪,刘军,吕艺
巢湖底泥蓝藻时空分布特征及其环境影响因子 (1672)
阳振,高芮,张民,陈开宁,史小丽
苏北高邮湖菹草(*Potamogeton crispus*)生长衰亡过程对水质与浮游植物群落的影响 (1681)
张鑫,张又,蔡平,刘荣坤,黎明杰,张晖,高俊峰,钱宝,蔡永久,燕文明
狐尾藻—鲢—铜锈石田螺组合系统对湖泊沉积物磷赋存特征的影响 (1694)
陈昊亮,吴玮,黄天寅,许晓毅,庄金龙
轮虫对不同营养状态水体的指示效果研究——以上海市水体为例 (1706)
彭靖,庞婉婷,陈皑,罗健,秦红,钱志萍,王全喜

——生物地球化学与水环境保护

- 上游梯级水库建成运行对长江总磷输移影响分析及管控对策建议 (1720)
张为,黎睿,王丹阳,汤显强
太湖底泥—水界面总溶解态磷的 Fick 扩散释放通量研究 (1732)
刘环,朱伟,侯豪,谈正伟,季浪
长江中下游湖泊沉积物厌氧铁氨氧化过程及脱氮贡献 (1743)
赖安兴,王洪伟,谢珂,顾于,李化炳,王丽娜,李彪,吴庆龙
滇池环湖截污体系优选截留率及其影响因素研究 (1757)
曾祥平,刘杰,丁文川,曾晓岚,张玉,罗万申
流域景观格局演变对河流水质的影响——以巢湖流域南淝河为例 (1769)
顾洋,张平究,秦风约,蔡永久,王晓龙
黄河流域渭河支流泾河(崆峒段)河流表层沉积物重金属溯源解析 (1782)
李军,脱新颖,马利邦,周发元,李开明,马晓红,岳斌,臧飞

生态补水型城市河湖湿地系统溶解性有机质来源解析及其与水质关联性	(1795)
凌松,杨盛林,刘晓薇,袁震,杨波,商倩南,钟天阳,马璐璐,张玲	
寒区典型湖泊冰封期溶解氧变化趋势及影响因素	(1806)
李明亮,张明宇,姚植,王乐乐,冯栋栋,李卫平,杨文焕	
利用声学调查法和沉积柱理化参数评估河道型水库碳埋藏通量	(1820)
秦勇,付文军,包宇飞,顾菲,厉励,曹珍,李小影	
新疆干旱区典型湖泊的碳排放监测与特征分析	(1834)
谭佳宇,梁妮,周永强,肖启涛,张力伟,马玉东,卜晓彪,闫起发,丁金枝	
——淡水生态与生物多样性保育	
eDNA 监测测序数据分析注释中参考数据库选择、指标阈值选择、目标数据准备的影响——以长江	
中游鱼类为监测目标	(1843)
许兰馨,杨海乐,刘志刚,杜浩	
样品保存温度和时长对环境 DNA 鱼类监测的影响	(1853)
母亚雯,罗仪宁,汤楠,杨江华,张咏,张效伟	
西藏拉鲁湿地浮游植物优势种时空动态及其生态适应性	(1864)
刘洋,张艳秋,宋文涛,龚秋丽,刘傲,陈俊霖,安瑞志,巴桑	
崇明岛河道纤毛虫原生动物群落结构及对水环境的指示	(1879)
叶华建,王冠华,陈乐乐,陈立婧,李晨虹,姜佳枚,潘宏博	
——流域水文与水资源安全	
2020 年鄱阳湖单退圩分洪效果及其方案优选	(1888)
温天福,雷声,牛娇,贾磊,袁晓峰,王志超,张磊,熊斌,张阳	
三峡工程运行后荆江河段适宜生态流量研究	(1900)
黄宇云,杨卓媛,余飞,余明辉,陆晶	
水库运用对金沙江下游水沙变化的影响	(1911)
张国帅,邓安军,张帮稳,冯志毅,吕瑞茹	
“引江济太”影响下太湖贡湖湾潮流时空变化	(1922)
马明,殷焱杰,石亚东,沈骁腾,吴东浩,陈鹏,任俊宏	
书讯	
《中亚国家大湖流域水土环境与风险评估》出版	(1638)
勘误	
关于“高温干旱背景下太湖藻情变化特征及机制”(DOI: 10.18307/2023.0611)一文的勘误	(1910)

(本期责任编辑:梅琴;英文编辑:王荣)

Journal of Lake Sciences
(ISSN 1003-5427)

Volume 36 Issue 6; November 6, 2024

Contents

Reviews

Research progress and prospects on sediment issues of the Three Gorges Project	1611
The research progress and prospects of inorganic reduced phosphorus in aquatic environments	1626

Research papers

—*Eutrophication, bloom prevention and control*

The spatiotemporal variation and potential causes for the nutrient status of water in Lake Erhai from 2017 to 2022	1639
--	------

Seasonal patterns of phosphorus in Lake Chaohu and its influencing factors	1650
--	------

The migration-aggregation patterns of <i>Microcystis</i> in Lake Taihu—Based on the combined effects of wind and light	1660
--	------

Spatial-temporal variations of the benthic cyanobacteria and their environmental factors in Lake Chaohu, China	1672
--	------

Impacts of <i>Potamogeton crispus</i> growth and decomposition process on water quality and phytoplankton community in Lake Gaoyou, northern Jiangsu Province	1681
---	------

Effects of the combined system of <i>Myriophyllum verticillatum</i> - <i>Hypophthalmichthys molitrix</i> - <i>Sinotaia aeruginosa</i> on phosphorus characteristic in lake sediments	1694
--	------

The indicator effect of rotifers for different nutrient states in water bodies: A case study in waters of Shanghai, China	1706
---	------

—*Biogeochemistry and aquatic environment protection*

The transport impact and control strategy recommendations of total phosphorus of the Yangtze River under the establishment and operation of upstream cascade reservoirs	1720
---	------

Fick diffusion release flux study of dissolved total phosphorus at the sediment–water interface of Lake Taihu	1732
---	------

The feammox mechanism within lake sediments in the middle and lower Yangtze River basin and its contribution to nitrogen removal	1743
--	------

Optimized interception rate of interception system around Lake Dianchi and influence factors	1757
--	------

Impact of the evolution of watershed landscape pattern on river water quality—The example of the Nanfei River, Lake Chaohu Basin	1769
Source apportionment for heavy metals in surface sediments of the Kongtong section of the Jing River, a Wei River tributary in the Yellow River Basin	1782
Sources analysis of dissolved organic matter and their correlation with water quality in ecological replenishment urban river-lake wetland systems	1795
The trend of dissolved oxygen change and influencing factors of typical lakes in cold area during icecoverd period	1806
Using seismic surveys and physicochemical data of sediment cores to assess the carbon burial flux of the channel-type reservoir	1820
Carbon emissions monitoring and characteristic analysis of typical lakes in arid regions of Xinjiang	1834
 <i>—Freshwater ecology and biodiversity conservation</i>	
The impacts of reference database selection, indicator threshold determination and target data preparation on the sequence data analysis of eDNA monitoring — Taking fish as the target in the middle Yangtze River	1843
Effects of storage temperature and time of sampling and pre-treatment on fish biomonitoring through environmental DNA	1853
The spatio-temporal dynamics and ecological adaptability of dominant phytoplankton species in Lhalu Wetland, Tibet, China	1864
Community structure of ciliated protozoa in rivers of Chongming Island and its indication to the water quality	1879
 <i>—Catchment hydrology and water resources security</i>	
Effects of flood diversion and scheme selection of Lake Poyang semi-restoration polder in 2020	1888
The suitable ecological discharge of the Jingjiang Reach after the operation of Three Gorges Project	1900
The impact of reservoir operation on runoff and sediment load change in the lower Jinsha River	1911
Temporal and spatial changes of lake current in Gonghu Bay under the influence of water diversion from Yangtze River to Lake Taihu	1922