



Haiyang Xuebao
(1979年5月创刊)

ISSN 0253-4193
CN 11-2055/P

海洋学报

第42卷第8期
Vol.42 No.8

中 2020
文 08
版

海洋学报 Haiyang Xuebao

第四十二卷 第八期

2020年八月



中国海洋学会主办
《海洋学报》编辑部出版

海洋学报

Haiyang Xuebao

第 42 卷 第 8 期 2020 年 8 月

Scopus 数据库收录期刊

中国科学引文数据库来源期刊

北大中文核心期刊

中国科技论文统计源期刊

美国《化学文摘》收录期刊

《日本科技文献速报》收录期刊

目次

论文

黄海绿潮发展规律与防控研究

黄海浒苔绿潮防灾减灾现状与早期防控展望	
..... 王宗灵, 傅明珠, 周健, 沈颂东, 邵魁双, 胡伟, 肖洁, 范士亮, 张学雷	1
基于哨兵 2 号卫星遥感影像的 2018 年苏北浅滩漂浮绿藻时空分布特征研究	
..... 袁超, 张靖宇, 肖洁, 傅明珠, 张学雷, 崔廷伟, 王宗灵	12
光和温度对两种绿潮藻光合途径及抗氧化功能的影响	
..... 马茜, 王玉珏, 孙西艳, 刘东艳	21
2018 年南黄海浒苔绿潮迁移发展规律与营养盐相互关系探究	
..... 张海波, 刘珂, 苏荣国, 石晓勇, 裴绍峰, 王修林, 王国善, 王爽	30
2018 年南黄海浒苔绿潮发展规律及氮组分的作用探究	
..... 张海波, 王爽, 尹航, 沙珍霞, 石晓勇, 苏荣国, 裴绍峰, 王国善, 麻银萍	40
不同氮磷比值下浒苔与石莼的竞争作用研究	
..... 杨雪, 林锟, 谭丽菊, 王江涛	50
浒苔绿潮消亡腐败过程中的营养盐释放及其对近海环境的影响	
..... 冯立娜, 张海波, 孙雨嫣, 李修竹, 苏荣国, 石晓勇	59
不同状态浒苔对东海原甲藻生长的影响	
..... 林锟, 杨雪, 谭丽菊, 王江涛	69

海洋生物

热带东印度洋春季浮游植物群落结构空间特征分析	
..... 孙萍, 李艳, 潘玉龙, 韦钦胜, 袁超, 张学雷, 王宗灵	76
2014 年秋季渤海网采浮游植物群落结构	
..... 张雪, 王俊, 马武, 王宏, 高燕, 刘克奉	89
渤海 3 个河口区底栖硅藻群落的时空变化特征	
..... 王珊珊, 刘东艳, 王玉珏, 袁子能	101
湄洲湾海域甲藻孢囊的时空分布初步调查	
..... 李光毅, 郑崇荣, 吴惠锴, 杨凡, 刘保清, 黄龙展, 陈竞武, 陈云霞	115

Haiyang Xuebao

Vol. 42 No. 8 August 2020

CONTENTS

Article

Progress on the development and prevention of Yellow Sea green tide

- Current situation of prevention and mitigation of the Yellow Sea green tide and proposing control measurements in the early stage
..... Wang Zongling, Fu Mingzhu, Zhou Jian, Shen Songdong, Shao Kuishuang, Hu Wei, Xiao Jie, Fan Shiliang, Zhang Xuelei 11
- The spatial and temporal distribution of floating green algae in the Subei Shoal in 2018 retrieved by Sentinel-2 images
..... Yuan Chao, Zhang Jingyu, Xiao Jie, Fu Mingzhu, Zhang Xuelei, Cui Tingwei, Wang Zongling 19
- Effects of light and temperature on the photosynthetic pathway and antioxidant function of two green tide species
..... Ma Qian, Wang Yujue, Sun Xiyan, Liu Dongyan 28
- Study on the coupling relationship between the development of *Ulva prolifera* green tide and nutrients in the southern Yellow Sea in 2018
..... Zhang Haibo, Liu Ke, Su Rongguo, Shi Xiaoyong, Pei Shaofeng, Wang Xiulin, Wang Guoshan, Wang Shuang 39
- The development of *Ulva prolifera* green tide and the roles of nitrogen nutrients in it in the southern Yellow Sea in 2018
..... Zhang Haibo, Wang Shuang, Yin Hang, Sha Zhenxia, Shi Xiaoyong, Su Rongguo, Pei Shaofeng, Wang Guoshan, Ma Jinping 49
- The competition between *Ulva prolifera* and *Ulva lactuca* under different N/P Yang Xue, Lin Kun, Tan Liju, Wang Jiangtao 58
- On nutrient releases from the decomposition of *Ulva prolifera* green tide and their impacts on nearshore seawaters in the southern Yellow Sea
..... Feng Li'na, Zhang Haibo, Sun Yuyan, Li Xiuzhu, Su Rongguo, Shi Xiaoyong 68
- Effects of *Ulva prolifera* in different states on the growth of *Prorocentrum donghaiense* Lin Kun, Yang Xue, Tan Liju, Wang Jiangtao 75

Marine Biology

- Spatial structure characteristics of phytoplankton communities in the tropical eastern Indian Ocean in spring
..... Sun Ping, Li Yan, Pan Yulong, Wei Qingsheng, Yuan Chao, Zhang Xuelei, Wang Zongling 88
- The net-phytoplankton community structure in the Bohai Sea in autumn 2014
..... Zhang Xue, Wang Jun, Ma Wu, Wang Hong, Gao Yan, Liu Kefeng 100
- Temporal and spatial variations of benthic diatom communities at three estuaries in the Bohai Sea
..... Wang Shanshan, Liu Dongyan, Wang Yujue, Yuan Zineng 114
- A preliminary investigation of spatial and temporal distribution of dinoflagellate cysts in the Meizhou Bay
..... Li Guangyi, Zheng Chongrong, Wu Huikai, Yang Fan, Liu Baoqing, Huang Longzhan, Chen Jingwu, Chen Yunxia 125