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目　　次

波浪破碎下湍流混合的实验研究……牟海迪　刘云龙　袁　媛　鞠　莲　刘　娟　孟　静　陈　旭 (551)
大亚湾海域夏、冬季的潮汐特征及余水位与风的相关性初步探讨……朱　佳　胡建宇　陈照章　孙振宇　杨龙奇　彭帅星　吉皎月 (562)
实验室造波条件对内孤立波发展影响的直接数值模拟……叶潇潇　游景皓　宋金宝 (573)
海底山脊作用下内孤立波破碎研究……林颖典　余俊扬　罗辕野　袁野平 (584)
基于卫星测高与卫星测温的表层流产品生成方法应用评估……刘秀青　张　杰　杨俊钢　曹　蕾 (593)
渤海夏季底层氧亏损分布的年际差异分析……李志成　魏　皓　张海彦　赵化德　郑　楠　宋贵生 (601)
定常风场和吞吐流对乌梁素海流场的影响……王志超　施青松　李　兴　李卫平　杨文焕　于玲红 (614)
基于遥感反演的山东半岛东北部海域悬浮体时空变化规律探讨……刘　焘　朱龙海　胡日军　尹砚军　冷　星 (624)
阿塔卡马海沟深渊和非深渊站位的沉积脂肪酸对比研究……项　羽　王亚松　肖文杰　韩露露　许云平 (635)
阿塔卡马海沟表层水颗粒有机碳与微生物群落呼吸作用的时空变化研究……赵　昕　陈宏威　李文朋　李芯芯 (648)
铁铝复合改性粘土去除藻华生物的效率与机制初探……姜凯钦　俞志明　曹西华　姜文彬　宋秀贤 (657)
不同氮浓度对红色赤潮藻(*Akashiwo sanguinea*)生长、孢囊形成和生源要素组成的影响……王晓婷　黄　健　刘　云　宋书群　李才文 (665)
条斑紫菜 *Tubulin* 和 *Kinesin* 基因家族鉴定及失水胁迫表达模式分析……崔正彩　孔凡娜　茅云翔　孙　斌　王俊皓　董道英 (673)
浙江象山港岛屿春、夏季潮间带大型底栖生物的群落结构特征……刘　颖　李进京　陈　晨　刘　懂　焦海峰　韩庆喜　王一农　尤仲杰 (685)
烟台近岸人工鱼礁与自然岩礁底层渔业生物群落特征对比分析……张荣良　刘　辉　孙东洋　侯朝伟　赵建民 (697)
温度对美洲黑石斑(*Centropristis striata*)幼鱼生长和免疫因子活力与相关基因表达的影响……李伟业　徐志进　殷小龙　陈　爽　马雪彬　章　霞　邱豪军　张晓林　蒋霞敏 (708)
大口黑鲈(*Micropterus salmoides*)不同养殖模式氮磷收支及养殖效果研究……刘　梅　原居林　倪　蒙　练青平　郭爱环 (718)
四种不同饵料对真蛸(*Octopus vulgaris*)生长与肠道微生物影响的研究……骆启豪　王卫军　倪乐海　景福涛　许　贺　李　赞　李　彬　杨建敏 (729)
基于高通量测序技术解析鲣鱼(*Katsuwonus pelamis*)鱼油和鱼白调控肠道菌群结构作用……李菁菁　张旨轩　王子言　刘　岩　霍春恒　石秋月　陈　菊　韩姣姣　苏秀榕 (738)
基于北斗船位数据的渔业信息解译与应用研究——以中国毛虾限额捕捞管理为例……李国东　仲霞铭　熊　瑛　龚海翔　汤建华　施金金　吴　磊 (746)
白芍(*Radix paeoniae alba*)提取物对中华绒螯蟹(*Eriocheir sinensis*)造血组织发育及造血因子 Astakine 的影响……吕孙建　焦锦彪　刘　莉　袁雪梅　于　喆　张海琪　杭小英　施伟达　吴颖蕾 (754)
中国近海豆滨螺属 *Peasiella*(腹足纲，滨螺科)两物种的分类学研究……李　晨　亓　鲁　孔令锋　李　琪 (762)
外源 $CaCl_2$ 调控浒苔(*Ulva prolifera*)高温逆境的比较转录组研究……唐晓雯　范美华　王超峰　廖　智　李　鹏　徐年军　王健鑫 (766)
龙须菜(*Gracilariopsis lemaneiformis*)海藻糖-6-磷酸合成酶(TPS)对逆境胁迫的响应……张莹莹　吕　燕　宣雯燕　张小倩　徐年军　孙　雪 (777)
双齿围沙蚕(*Perinereis aibuhitensis*)主要器官的组织学观察及其生理功能研究……宋静静　刘天红　刘洪军　迟雯丹　刘凯凯　于道德 (786)
《中间型海洋-大气耦合模式及其 ENSO 模拟和预测》出版发行 (797)

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Vol.52 No.3, May, 2021

CONTENTS

Turbulent Mixing during Wave Breaking: an Experimental Study ····· MU Hai-Di, LIU Yun-Long, YUAN Yuan, JU Lian, LIU Juan, MENG Jing, CHEN Xu (561)

A Preliminary Study on the Tidal Characteristics in Summer and Winter and the Correlation between Residual Water Level and Wind in Daya Bay ····· ZHU Jia, HU Jian-Yu, CHEN Zhao-Zhang, SUN Zhen-Yu, YANG Long-Qi, PENG Shuai-Xing, JI Jiao-Yue (572)

Direct Numerical Simulation of the Effect of Laboratory Wave-Making Conditions on the Development Internal Solitary Waves ····· YE Xiao-Xiao, YOU Jing-Hao, SONG Jin-Bao (583)

Experimental Study on Internal Solitary Wave Breaking under Submarine Ridge ····· LIN Ying-Dian, YU Jun-Yang, LUO Yuan-Ye, YUAN Ye-Ping (592)

Application Evaluation of Surface Currents Product Generation Method Based on Satellite Altimetry and Satellite Temperature Measurement ····· LIU Xiu-Qing, ZHANG Jie, YANG Jun-Gang, CAO Lei (600)

The Interannual Difference in Summer Bottom Oxygen Deficiency in Bohai Sea ····· LI Zhi-Cheng, WEI Hao, ZHANG Hai-Yan, ZHAO Hua-De, ZHENG Nan, SONG Gui-Sheng (613)

The Influences of Uniform Wind and Throughput Flow on the Flow Field of Wuliangsu Lake ····· WANG Zhi-Chao, SHI Qing-Song, LI Xing, LI Wei-Ping, YANG Wen-Huan, YU Ling-Hong (623)

The Temporal and Spatial Variation of Suspended Matter in the Northeast Shandong Peninsula Based on Remote Sensing Inversion ····· LIU Tao, ZHU Long-Hai, HU Ri-Jun, YIN Yan-Jun, LENG Xing (634)

Comparison of Fatty Acids in Sediments from Hadal and Non-Hadal Sites of the Atacama Trench ····· XIANG Yu, WANG Ya-Song, XIAO Wen-Jie, HAN Lu-Lu, XU Yun-Ping (647)

Temporal and Spatial Distribution of Particulate Organic Carbon and Microbial Community Respiration of Atacama Trench Surface Water, Chile ····· ZHAO Xin, CHEN Hong-Wei, LI Wen-Peng, LI Xin-Xin (656)

Removal Efficiency and Mechanism of Algal Bloom Organisms Using Poly-Al-Fe Composite Modified Clay ····· JIANG Kai-Qin, YU Zhi-Ming, CAO Xi-Hua, JIANG Wen-Bin, SONG Xiu-Xian (664)

Effects of Nitrogen Nutrition on the Growth, Encystment and Biogenic Elements Composition of *Akashiwo sanguinea* ····· WANG Xiao-Ting, HUANG Jian, LIU Yun, SONG Shu-Qun, LI Cai-Wen (672)

Identification and Expression Pattern Analysis of *Tubulin* and *Kinesin* Gene Family in *Pyropia yezoensis* to Dehydration Stresses ····· CUI Zheng-Cai, KONG Fan-Na, MAO Yun-Xiang, SUN Bin, WANG Jun-Hao, DONG Dao-Ying (684)

Characteristics of the Intertidl Macrobenthic Community Structure from Nine Islands in Xiangshan Bay, Zhejiang Province, in Spring and Summer ····· LIU Ying, LI Jin-Jing,

CHEN Chen, LIU Dong, JIAO Hai-Feng, HAN Qing-Xi, WANG Yi-Nong, YOU Zhong-Jie (696)
Characteristics of Benthic Fishery Community at Natural Reefs and Artificial Reefs Located in Yantai Offshore Area ····· ZHANG Rong-Liang, LIU Hui, SUN Dong-Yang, HOU Chao-Wei, ZHAO Jian-Min (707)
Effects of Temperature on Growth, Immune Factor Activity and Related Gene Expression of Juvenile *Centropristis striata* ····· LI Wei-Ye, XU Zhi-Jin, YI Xiao-Long, CHEN Shuang, MA Xue-Bin, ZHANG Xia, QIU Hao-Jun, ZHANG Xiao-Lin, JIANG Xia-Min (717)
A Comparative Study on Nitrogen and Phosphorus Budget and Aquaculture Effect of *Micropterus salmoides* in Two Modes ····· LIU Mei, YUAN Ju-Lin, NI Meng, LIAN Qing-Ping, GUO Ai-Huan (728)
Effects of Four Different Diets on Growth and Intestinal Microorganisms of Common Octopus (*Octopus vulgaris*) ···· LUO Qi-Hao, WANG Wei-Jun, NI Le-Hai, JING Fu-Tao, XU He, LI Zan, LI Bin, YANG Jian-Min (737)
Regulation Effect of Tuna (*Katsuwonus Pelamis*) Fish Oil and Fish Sperm on Gut Microbiota Structure ····· LI Jing-Jing, ZHANG Zhi-Xuan, WANG Zi-Yan, LIU Yan, HUO Chun-Heng, SHI Qiu-Yue, CHEN Ju, HAN Jiao-Jiao, SU Xiu-Rong (745)
Interpretation and Application of Fishery Information Based on Beidou Position Data: a Case Study of TACs Pilot Project of *Acetes chinensis* ····· LI Guo-Dong, ZHONG Xia-Ming, XIONG Ying, GONG Hai-Xiang, TANG Jian-Hua, SHI Jin-Jin, WU Lei (753)
Effects of *Radix paeoniae alba* Extraction on Hematopoietic Tissue and Hematopoietic Factor Astakine in *Eriocheir sinensis* ····· LYU Sun-Jian, JIAO Jin-Biao, LIU Li, YUAN Xue-Mei, YU Zhe, ZHANG Hai-Qi, HANG Xiao-Ying, SHI Wei-Da, WU Ying-Lei (761)
Taxonomy of Two Species of *Peasiella* (Gastropoda, Littorinidae) from China Seas ····· LI Chen, QI Lu, KONG Ling-Feng, LI Qi (765)
Comparative Transcriptome Study of *Ulva prolifera* to Calcium Chloride Treatment Under High Temperature Stress ····· TANG Xiao-Wen, FAN Mei-Hua, WANG Chao-Feng, LIAO Zhi, LI Peng, XU Nian-Jun, WANG Jian-Xin (776)
Response of Trehalose-6-Phosphate Synthase (TPS) to Abiotic Stress in *Gracilariopsis lemaneiformis* ····· ZHANG Ying-Ying, LYU Yan, XUAN Wen-Yan, ZHANG Xiao-Qian, XU Nian-Jun, SUN Xue (785)
Histological Observation on Physiologic Function of *Perinereis aibuhitensis* ····· SONG Jing-Jing, LIU Tian-Hong, LIU Hong-Jun, CHI Wen-Dan, LIU Kai-Kai, YU Dao-De (796)

封面图片说明 该图片来自南方科技大学赵昕, 陈宏威, 李文朋, 李芯芯的论文《阿塔卡马海沟表层水颗粒有机碳与微生物群落呼吸作用的时空变化研究》, 图片显示了东太平洋阿塔卡马海沟表层水微生物群落呼吸作用的时空变化及其与颗粒有机碳(POC)循环和初级生产力的相互关系。日际时间尺度上呼吸作用对 POC 的同位素分馏具有一定贡献, 影响了同位素的溯源功能; 空间尺度上呼吸作用与初级生产力紧密相关, 潜在影响输出生产力和深海碳循环过程。

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