

目次

2021年第28卷第2期(总第124期)

特邀专稿

- 新型冠状病毒疫苗潜在不良反应的研究进展 冯基花,张剑锋(103)

海洋科学

- 大型绿藻浒苔的产业化开发应用 周伟,邓银银,田翠翠,陆勤勤,胡传明(113)
广利港夏季硅藻多样性指数与氮、磷营养盐组成的关系 王忠全,程玲,孙春晓,乔洪金,李斌(119)
山东近海海水 COD 与 BOD 相关性研究 王焕卿,冯巍巍,蔡宗岐,侯耀斌,刘增东(125)
涠洲岛海域营养盐变化特征与评价 黄晓煦,徐轶肖,张腾,雷富,梁千千,陈丽雯,戴圣生(130)
涠洲岛海域重金属质量状况及评价 梁千千,刘熊,徐轶肖,张腾,雷富,陈丽雯,黄晓煦,戴圣生(136)

算法研究与应用

- 基于方差最小化的直觉模糊语言多属性决策方法 陈晶,王中兴,姚陈(145)
融合正弦余弦算法的蝴蝶优化算法 郑洪清,冯文健,周永权(152)
基于凸组合技术的加速 FR 型共轭梯度算法 李丹丹,王松华(160)

海洋动力学

- 钦州湾三墩作业区排污阈值的数值模拟研究 裴木凤,高劲松(167)
靖海湾春季实测潮流与温盐特征分析 李智航,孙璐,陈洁(174)

特邀栏目

- 基于氧化锌原胞的晶格优化方法研究 牙莉荀,黄宝丹,劳妃玲,许钟华,房慧,陈春燕(181)
两种生长基质下降香黄檀叶片形态解剖表型可塑性比较 韦耀妮,杨振德,文黎,席英卓,覃桂丽,玉舒中(189)
广西喀斯特天坑资源及其旅游开发研究 谷睿,唐健民,韦霄,邹蓉,朱成豪,熊忠臣(196)

- 解析酒业结构性繁荣,看米香型白酒等小酒种品类如何升级 (144)
投稿指南 (188)

CONTENTS

2021 Vol. 28 No. 2 (No. 124)

Special Issue

- Research Progress on the Adverse Event Following Immunization of COVID-19 Vaccines
..... FENG Jihua, ZHANG Jianfeng(103)

Marine Sciences

- Industrial Development and Application of Large Green Algae *Enteromorpha prolifera*
..... ZHOU Wei, DENG Yinyin, TIAN Cuicui, LU Qinjin, HU Chuanming(113)
Relationship between the Diatom Diversity Index and Nitrogen and Phosphorus Compositions in the Summer
of Guangli Port WANG Zhongquan, CHENG Ling, SUN Chunxiao, QIAO Hongjin, LI Bin(119)
Study on Correlation between COD and BOD in the Coastal Seawater of Shandong Province
..... WANG Huanqing, FENG Weiwei, CAI Zongqi, HOU Yaobin, LIU Zengdong(125)
Characteristics and Evaluation of Nutrient Salt Variation in the Sea Area of the Weizhou Island
HUANG Xiaoxu, XU Yixiao, ZHANG Teng, LEI Fu, LIANG Qianqian, CHEN Liwen, DAI Shengsheng(130)
Quality Status and Evaluation of Heavy Metals in the Sea around Weizhou Island
..... LIANG Qianqian,
LIU Xiong, XU Yixiao, ZHANG Teng, LEI Fu, CHEN Liwen, HUANG Xiaoxu, DAI Shengsheng(136)

Algorithm Research and Application

- Multiple Attribute Decision-making Method of Intuitionistic Fuzzy Language Based on Variance Minimization
..... CHEN Jing, WANG Zhongxing, YAO Chen(145)
Butterfly Optimization Algorithm Based on Sine Cosine Algorithm
..... ZHENG Hongqing, FENG Wenjian, ZHOU Yongquan(152)
Accelerated FR Conjugate Gradient Algorithm Based on Convex Combination Technology
..... LI Dandan, WANG Songhua(160)

Marine Dynamics

- Numerical Simulation on Emission Threshold of Sandun Operation Area in Qinzhou Bay of China
..... PEI Mufeng, GAO Jingsong(167)
Characteristics Analyses of Tide, Temperature and Salinity of Jinghai Bay in Spring
..... LI Zhihang, SUN Lu, CHEN Jie(174)

Special Columns

- Research on Lattice Optimization Methods Based on ZnO Primitive Cell
..... YA Lixun, HUANG Baodan, LAO Feiling, XU Zhonghua, FANG Hui, CHEN Chunyan(181)
Comparison of Morphological and Anatomical Phenotypic Plasticity of *Dalbergia odorifera* Leaves under
Two Growth Substrates
..... WEI Yaoni, YANG Zhende, WEN Li, XI Yingzhuo, QIN Guili, YU Shuzhong(189)
Study on Karst Tiankeng Resources and Tourism Development in Guangxi
..... GU Rui, TANG Jianmin, WEI Xiao, ZOU Rong, ZHU Chenghao, XIONG Zhongchen(196)