

# 目次

## 启事

本刊已入编中国学术期刊(光盘版),中国知网、中国科技期刊数据库、万方数据——数字化期刊群、重庆维普中文科技期刊数据库、超星“域出版”,作者文章著作权使用费与本刊稿酬一次性付给,本刊不另付酬。凡不同意入编的作者,请在投稿时声明。

### 生命科学

药材粒度对冷浸法提取水冬瓜伤科止痛酊中黄芩苷和总固体物收率的影响	杨元凤,罗玉玲,代 欣,陈永敏,周训蓉	1
牡丹皮-赤芍药对治疗川崎病作用机制的网络药理学研究	冯子娟,周虹宏,阳亭亭,罗武政,黄道超	4
基于网络药理学和分子对接探讨青黛防治2型糖尿病的作用机制研究	赵友芳,段学清,朱 晨,田维毅	11
贵州苦苣苔科植物新种资料(8)	李 靓,汤升虎	17
正交优化四肢通络外用颗粒的提取工艺研究	杨 姗,陈 丽,李胜琴,朱鑫龙	22
降糖甲治疗2型糖尿病的机制研究	程方玲,田昌林,张楠楠	25
基于网络药理学及分子对接探讨二至丸对非小细胞肺癌的作用机制	李若尘,田 津,汪鸣霄,周 淘	33
黔产八角枫 HPLC 指纹图谱研究	陈志琳,杜洪志,何 丽,覃春叶,李 瑋	39

### 地理、环境科学

3月至4月利于蓝莓灰霉病发生的天气气候规律研究	伦绪勇,李 威,梁 平,余代辉,姚源山,谢俊英,龙先菊	44
磷化工厂周边溪流水体对斑马鱼的毒性影响	罗康婷,郭子毓,代恒美,汪淑颖,刘 龙,潘 莎	48
贵安新区土壤生态环境风险评价及空间分异特征研究	刘发勇,何 林,田祥贵	54
贵州碎屑岩分布区崩塌地质灾害发育特征及孕灾条件分析	段方情,何松标,马 骅	58

### 数理科学

时空分数阶扩散方程的高效数值算法研究	向 丽,曹俊英,王自强	62
--------------------	-------------	----

### 工程与材料科学

开州湖特大桥主塔位置研究	张广泽,余洪璋,罗 勇	66
基于不同结构面组合的岩质高边坡稳定性分析	易庆波	72
预应力混凝土连续刚构桥零号块混凝土水化热温度控制	曾章波,裴志勇,王 夏,赵永华	78
黄百铁路白石岩隧道段线路方案因素评价体系及目标优选	张绪景	85
基于电化学液膜法腐蚀制备 STM 钨探针的研究	马玉麟,丁 召,王 一,郭 祥	90
异氰酸酯对磷石膏的改性研究	蒙正炎,贾韶辉,高遇事,李志豪,赵先锐,江信力,彭云峰	93

# CONTENTS

## **Life Sciences**

Effect of particle size on baicalin content and total solid yield of Shuidonggua Painkilling Tincture prepared by cold soak .....	YANG Yuanfeng, LUO Yuling, DAI Xin, CHEN Yongmin, ZHOU Xunrong	1
Mechanism of Cortex Moutan–Radix Paeoniae Rubra in the treatment of Kawasaki disease based on network pharmacology .....	FENG Zijuan, ZHOU Honghong, YANG Tingting, LUO Wuzheng, HUANG Daochao	4
Action mechanism of Indigo Naturalis in the prevention and treatment of diabetes mellitus type 2 based on network pharmacology and molecular docking .....	ZHAO Youfang, DUAN Xueqing, ZHU Chen, TIAN Weiyi	11
Notes on the newly-reported species(Gesneriaceae) from Guizhou, China(VIII) .....	LI Sa, TANG Shenghu	17
Orthogonal optimization of extraction process of Tongluo external granules .....	YANG Shan, CHEN Li, LI Shengqin, ZHU Xinglong	22
Mechanism of Jiangtangjia granules in the treatment of diabetes mellitus type 2 .....	CHENG Fangling, TIAN Changlin, ZHANG Nannan	25
Action mechanism of Erzhi pills on non-small cell lung cancer based on network pharmacology and molecular docking .....	LI Ruochen, TIAN Jin, WANG Mingxiao, ZHOU Xun	33
Study on HPLC fingerprint of <i>Alangium chinense</i> from Guizhou .....	CHEN Zhilin, DU Hongzhi, HE Li, QIN Chunye, LI Wei	39

## **Geographical and Environmental Sciences**

Study on weather and climate law conducive to gray mold disease of blueberry in March and April .....	LUN Xuyong, LI Wei, LIANG Ping, YU Daihui, YAO Yuanshan, XIE Junying, LONG Xianju	44
Toxicity effect of stream water around a phosphorus chemical plant on zebrafish( <i>Danio rerio</i> ) .....	LUO Kangting, GUO Ziyu, DAI Hengmei, WANG Shuying, LIU Long, PAN Sha	48
Soil ecological risk assessment and spatial differentiation characteristics of Gui'an District .....	LIU Fayong, HE Lin, TIAN Xianggui	54
Analysis of development characteristics and inducing conditions of collapses in the distribution area of clastic rocks in Guizhou .....	DUAN Fangqing, HE Songbiao, MA hua	58

## **Mathematical & Physical Sciences**

Efficient numerical algorithm for spatiotemporal fractional diffusion equation .....	XIANG Li, CAO Junying, WANG Ziqiang	62
--	-------------------------------------	----

## **Engineering & Material Sciences**

Research on the location of the main tower of Kaizhou Lake Grand Bridge .....	ZHANG Guangze, YU Hongzhang, LUO Yong	66
Stability analysis of high rock slope formed by different structural planes .....	YI Qingbo	72
Temperature control of hydration heat of zero block of prestressed concrete continuous rigid frame bridge .....	ZENG Zhangbo, PEI Zhiyong, WANG Xia, ZHAO Yonghua	78
Factor evaluation and target optimization for the route plan of Baishiyan Tunnel section of Huangbai Railway .....	ZHANG Xujing	85
Preparation of STM tungsten probe by electrochemical liquid membrane etching .....	MA Yulin, DING Zhao, WANG Yi, GUO Xiang	90
Modification of phosphogypsum with isocyanate .....	MENG Zhengyan, JIA Shaohui, GAO Yushi, LI Zhihao, ZHAO Xianrui, JIANG Xinli, PENG Yunfeng	93