



## 目 录

### 高原生态

- 001 青藏高原土壤水分时空变化特征及其与气候变化的关系研究.....  
.....拉巴 边巴次仁 拉珍 卓嘎
- 009 2000—2020年西藏雅鲁藏布江中游河谷黑颈鹤国家级自然保护区生态系统格局变化及驱动因素  
研究.....马竞一 曾卫 王梦君
- 019 野生蒺藜种子萌发的有效引发剂研究.....李政升 刘颖
- 027 拉萨市生态系统调节服务价值核算.....央金卓玛 张根 冯佳佳
- 037 不同积云对流参数化方案对拉萨强降水过程的模拟.....  
.....德庆曲珍 熊亚军 桑单平措 洛松卓玛 高华
- 047 1980—2020年青藏高原土地利用变化强度及稳定性分析.....  
.....程江浩 毛斯楠 张燕杰

### 高原医学

- 058 西藏地区大学生应对突发公共卫生事件知信行现状调查.....  
.....扎西达娃 郑星雨 陈美林 钟诗佳 樊子恙
- 065 西藏不同海拔地区藏族青少年消瘦状况调查.....  
.....普珍 次仁央宗 其梅 四郎曲扎

全国民族地区优秀学报(期刊)  
中国高校优秀科技期刊  
西藏自治区优秀期刊

# 目 录

---

071 世居健康藏族青年学生足底压力分布特征·····

·····孙鑫 娄本敬 谢露 边巴

081 益气活血方治疗高原红细胞增多症的作用机制及关键microRNA筛选研究·····

·····吕李飞 杨如意 赵成周 贾守宁 祁永福

## 高原交通与信息

092 乌梅印刷多字体藏文文本的检测与识别·····

·····高定国 侯闰 高红梅 索朗曲珍

101 基于.NET框架的离线藏语读音练习软件设计与实现·····

·····姜军 祁晋东 姜明飞 张徐芳 卓嘎

109 高海拔地区铁路工程施工人员作业疲劳研究·····莫俊文 钟建栋

---

《高原科学研究》2022年总目录·····122

西藏大学2022年度自然科学类主要科研项目一览表·····封二

《高原科学研究》投稿须知·····封三

# PLATEAU SCIENCE RESEARCH

## Table of Contents

---

1 Spatiotemporal Variation Characteristics of Soil Moisture and its Relationship with Climate Change on the Qinghai-Tibet Plateau.....	Lhaba Bianba-Ciren Lhazhen Zhuoga
2 Study on the Changes in Ecosystem Patterns and Drivers of the Black-necked Crane National Nature Reserve in the Middle Yarlung Tsangpo River Valley, Tibetin Year 2000—2020.....	MA Jingyi ZENG Wei WANG Mengjun
3 Study on the Effective Initiator of Wild <i>Tribulus Terrestris</i> Seed Germination.....	LI Zhengsheng LIU Ying
4 Study on the Cost Evaluation of the Ecosystem Regulation Services in Lhasa.....	Yangjin-Zhuoma ZHANG Gen FENG Jiajia
5 Study on the Simulation of Heavy Precipitation Processes in Lhasa with Different Parameterized Schemes of Cumulus Convection.....	Deqing-Quzhen XIONG Yajun Sangdan-Pingcuo Luosong-Zhuoma GAO Hua
6 Analysis on Change in Intensity of Land Use and Stability on the Tibetan Plateau from Year 1980 to 2020.....	CHENG Jianghao MAO Sinan ZHANG Yanjie
7 A Survey on the Current Status of Knowledge, Attitude and Practices in Response to Public Health Emergencies among Tibet College Students.....	Zhaxi-Dawa ZHENG Xingyu CHEN Meilin ZHONG Shijia FAN Ziyang
8 Survey on Wasting Status among Tibetan Adolescents from Different Altitude of Tibet.....	Puzhen Ciren- Yangzong Qimei Silang-Quzha
9 Characteristics of Plantar Pressure Distribution in Healthy Tibetan Young Students.....	SUN Xin LOU Benjing XIE Lu Bianba
10 Study on the Mechanism and Key MicroRNAs Screening of Yiqi Huoxue Recipe in Treating High Altitude Polycythemia.....	LV Lifei YANG Ruyi ZHAO Chengzhou JIA Shouning QI Yongfu
11 Study on Detection and Recognition of Tibetan Wumei Printing Multi-Fonts Text.....	GAO Dingguo HOU Yan GAO Hongmei Suolang-Quzhen
12 Design and Implementation of Off-line Tibetan Pronunciation Training Software Based on .NET Framework...	JIANG Jun QI Jindong JIANG Mingfei ZHANG Xufang Zhuoga
13 Research on Work Fatigue of Railway Construction Workers in High Altitude Areas.....	MO Junwen ZHONG Jiandong

