

ISSN 1673-9655  
CN 53-1205/X

ENVIRONMENTAL SCIENCE SURVEY

# 环境科学导刊

04  
2022年8月  
第4期  
第41卷  
**VOL.41**

ISSN 1673-9655



9 771673 965224

云南省生态环境科学研究院 主办

**环境科学导刊(双月刊)**  
**HUANJING KEXUE DAOKAN**  
第41卷 第4期 总第208期  
2022年8月25日出版

**目 次**

**·水环境保护·**

- 抚仙湖水体透明度及主要影响因子变化分析 ..... 杨世莉, 何莹, 祁云宽 (1)  
观音岩水库建成前后下游金沙江段浊度及电导率变化分析 .....  
季浩宇, 谢南, 唐毅, 胡修文, 杨翠香 (7)  
盘龙河沿程水质变化及污染原因分析 ..... 张锐敏 (13)  
砚山县回龙水库水质pH值偏高原因分析及对策措施探讨 ..... 黄功跃 (17)  
“十三五”期间楚雄市集中式饮用水水源地环境质量状况与保护对策 .....  
马雪明, 殷艾华, 赵建梅 (21)

- 南汀河河道内适宜生态流量计算 ..... 陈荣, 徐晓鹏, 马建顶 (25)  
广东省城镇污水治理补短板强弱项探讨 ..... 吴锦泽, 张驰, 鄢林洁 (30)

**·环境管理·**

- 基于“多规”达标约束的高质量发展路径研究——以石林县为例 .....  
贾海锋, 李森, 杨燕平, 刘岳雄, 刘艳 (35)  
关于云南省中央土壤污染防治专项资金项目管理的建议 .....  
廖迎芸, 杨牧青, 张秋霞, 曾沛艺, 唐漫, 和淑娟 (43)  
生态基金+PPP模式促进生态建设 ..... 陈建武, 罗云南 (47)

**·污染防治·**

- 安徽省果菜茶粪肥氮承载力评估 ..... 孙亚敏 (51)  
基于第二次全国污染源普查的昆明市环境风险识别与管理 .....  
赵海鹰, 王向荣, 侍宽, 张大为, 李亚丽 (56)

**·环境评价·**

- 铅锌矿区农作物重金属富集特征及健康风险评估 .....  
王艳娇, 张潔元, 崔姗姗, 王运超, 成国坤, 蒙兵兵 (62)  
某居住地块石油烃、COD<sub>Cr</sub>污染调查与风险评估 ..... 王君宝, 刘文强, 罗志波 (69)

**·环境遥感与监测·**

- 基于资源环境承载力的云南喀斯特山区土地利用功能分区探讨——以文山市为例 .....  
冯严, 赵筱青, 顾泽贤, 宋浩昆, 周世杰 (74)  
云南省景观格局的广义回归神经网络模型 ..... 王万宾, 刘芳, 张星梓, 刘岳雄, 李森 (82)  
基于水质综合污染指数的Spearman秩相关系数法分析晋江流域水质自动监测的适用性 ..... 李佳艺 (88)  
云南宇宙射线响应结果分析及预测应用 ..... 武荣国 (93)

- 《环境科学导刊》征稿简则 ..... (12)  
《环境科学导刊》稿件采用及发行数字期刊的声明 ..... (29)

期刊基本参数: CN53-1205/X \* 1982 \* b \* A4 \* 96 \* zh \* P \* ¥15.0 \* 1000 \* 18 \* 2022-8

# ENVIRONMENTAL SCIENCE SURVEY

( Bimonthiy ) Vol. 41 No. 4 2022

## Contents

Analysis of Water Transparency and Main Influencing Factors in Fuxian Lake .....	YANG Shili etc. ( 1 )
Analysis on the Changes of Turbidity and Conductivity in the Lower Reaches of Jinsha River before and after the Construction of Guanyinyan Reservoir .....	JI Haoyu etc. ( 7 )
Analysis of Water Quality Change and Pollution Causes of Panlong River .....	ZHANG Ruimin ( 13 )
Reason Analysis and Countermeasures on High pH Value of the Water Quality in Hui long Reservoir of Yanshan County, Yunnan .....	HUANG Gongyue ( 17 )
Water Environmental Quality Status and Countermeasures of the Centered Drinking Water Sources of Chuxiong City during the Thirteenth Five-year Plan .....	MA Xueming etc. ( 21 )
Calculation Method of Suitable Ecological Flow and Its Method Applicability in Nanting River .....	CHEN Rong etc. ( 25 )
Discussion on Making up for Shortcomings and Reinforcing the Weakness of Urban Sewage Treatment in Guangdong Province .....	WU Jinze etc. ( 30 )
Research on the High-quality Development Path under Tightening Resource and Environment Constraints: Taking Shilin County as an Example .....	JIA Haifeng etc. ( 35 )
Suggestions on Project Management of National Special Funds for Soil Pollution Prevention and Control in Yunnan Province .....	LIAO Yingyun etc. ( 43 )
Ecological Fund Plus PPP Model Promoting Ecological Construction .....	CHEN Jianwu etc. ( 47 )
Evaluation of Land Carrying Capacity of Manure Nitrogen in Anhui .....	SUN Yamin ( 51 )
Identification and Management of Environmental Risks in Kunming based on the Second National Pollution Sources Survey .....	ZHAO Haiying etc. ( 56 )
Heavy Metal Enrichment Characteristics and Health Risk Assessment of Crops in Typical Abandoned Lead-zinc Mining Areas .....	WANG Yanjiao etc. ( 62 )
Investigation and Risk Assessment of Petroleum Hydrocarbon and COD <sub>Cr</sub> Pollution in a Residential Area .....	WANG Junbao etc. ( 69 )
Discussion on Land Use Function Zoning in Karst Mountainous Areas of Yunnan Province Based on Resource and Environmental Carrying Capacity—A Case Study of Wenshan City .....	FENG Yan etc. ( 74 )
A Generalized Regression Neural Network Model of the Landscape Pattern in Yunnan Province, China .....	WANG Wanbin etc. ( 82 )
The Applicability of Automatic Water Quality Monitoring in Jinjiang River Basin Analyzed by Spearman Rank Correlation Coefficient Method based on Water Quality Comprehensive Pollution Index .....	LI Jiayi ( 88 )
Study on the Cosmic Ray Response Measurement and Results Application in Yunnan Province .....	WU rongguo ( 93 )