

生态学报

ACTA ECOLOGICA SINICA

第四十二卷 第四期 110—119页 1月

www.ecologica.cn

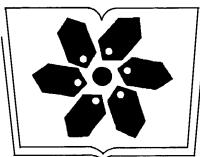
科学出版社



中国生态学会
主办
中国科学院生态环境研究中心

科学出版社
出版

多方知库
Eco-Environmental
Knowledge Web



中国科学院科学出版基金资助出版

生态学报 (SHENTAI XUEBAO)

第 43 卷 第 4 期 2023 年 2 月 (半月刊)

目 次

研究论文

- 西南地区生态系统服务供需历史变化与 SSP-RCP 情景预测 卢慧婷, Stringer Lindsay C., 严 岩, 等 (1309)
从城市到城市群:京津冀物质代谢特征及影响因素 刘凝音, 张 妍, 李彦显, 等 (1326)
2000—2018 年西秦岭景观格局变化及生态系统健康评价 李 凤, 周文佐, 邵周玲, 等 (1338)
中国城市绿色发展水平评价及时空演变 杨新梅, 黄和平, 周瑞辉 (1353)
中国生态效率时空动态分布与区域差异 孙丛婷, 傅莉媛, 蒋 薜, 等 (1366)
成渝城市群区域生态与城镇发展双网络格局分析及时空演变 王倩娜, 谢梦晴, 张文萍, 等 (1380)
天山北坡城市群生态承载力演变与生态敏感性分析 魏柏浩, 阿里木江·卡斯木, 如克亚·热合曼, 等 (1399)
气候变化对雪豹全球潜在适生区分布的影响与评估 杨子文, 韩姝伊, 李 壴, 等 (1412)
基于土地利用变化与生态系统服务供需的中国野生亚洲象时空迁移特征分析 牙茜葭, 任惠泽, 董孝斌, 等 (1426)
社区居民保护意识及对大熊猫放归的态度研究 周 晓, 严 啟, 刘 巍, 等 (1437)
基于红外相机数据的贵州高原山地环境野猪生境选择研究 杨光美, 郭群毅, 杨雄威, 等 (1449)
基于景观生态学原理的生态网络构建方法比较与评价 李权荃, 金晓斌, 张晓琳, 等 (1461)
基于多传感器的声景大数据在线采集与分析系统研究 林婴伦, 李春明, 王静怡, 等 (1474)
不同空间尺度的景观格局对流溪河水水质的影响 朱爱萍, 原升艳, 温姗姗, 等 (1485)
黄土区草地不同组分与土壤侵蚀关系及其对降雨情景的响应 刘见波, 高光耀, 傅伯杰 (1496)
围栏禁牧对滇西北高寒湿地土壤活性有机碳的影响 刘 爽, 范峰华, 张 昆, 等 (1506)
宁夏银川平原沙化土地不同人工林土壤质量评价 田 英, 许 琪, 王娅丽, 等 (1515)
基于 Google Earth Engine 的青藏高原土地沙化模拟与动态评估 李作成, 张 路, 欧阳志云, 等 (1526)
1981—2018 年新疆草地归一化植被指数时空特征及其对气候变化的响应 陈春波, 李刚勇, 彭 建 (1537)
黄土高原丘陵沟壑区柠条和沙棘树干液流的变化特征 穆永明, 王丽洁, 蔡圣淇 (1553)
中国旱区样带尺度植物多样性和生产力与环境因子的关系 杨 永, 卫 伟, 王 琳, 等 (1563)
关帝山云杉次生林树木径向生长的空间关联及其影响因子 陈 颀, 王晨林, 任宇辰, 等 (1572)
干旱荒漠区不同藓结皮斑块碳通量对降雨量变化的响应 李永刚, 张元明 (1584)

- 2000—2019年四川省植被恢复成效与影响因素 向珈瑶,彭文甫,陶 帅,等 (1596)
武夷山常绿阔叶林乔木与灌木小枝树皮主要功能性状的趋同 杜金贵,方 谷,范瑞瑞,等 (1610)
基于优选遥感干旱指数的华北平原干旱时空变化特征分析 吴天晓,李宝富,郭 浩,等 (1621)
毛乌素沙地杨柴液流变化对气象因子的响应 洪光宇,王晓江,高孝威,等 (1635)
2001—2019年太行山南麓栓皮栎人工林叶面积指数与气候因子的关系
..... 黄 辉,郑昌玲,孟 平,等 (1646)

- 昆承湖优势种鱼类时空-营养生态位 陈亚东,任 泓,徐 跑,等 (1655)
长江上游弥陀漫滩水体鱼类食物网动态的季节性变化 李 斌,郑宇辰,徐丹丹,等 (1664)
基于环境DNA技术的赤水河秋季鱼类多样性分布特征 郭宁宁,沈 梅,肖能文,等 (1676)
生姜根系不同生态位细菌群落多样性特征、组成及结构差异 党柯柯,侯金凤,刘 洪,等 (1691)

专论与综述

- 城市荒野生态研究概述 袁 嘉,欧桦杰,金晓东,等 (1703)
黄土高原土壤水分-有机碳-微生物耦合作用研究进展 杨 阳,刘良旭,张萍萍,等 (1714)
韧性城市研究综述——基于城市复杂系统视角 史晨辰,朱小平,王辰星,等 (1726)

学术信息与动态

- 基于文献计量的绿色基础设施水生态系统服务供需评价研究进展 姜芊孜,李金煜,梁雪原,等 (1738)

期刊基本参数:CN 11-2031/Q * 1981 * m * 16 * 440 * zh * P * ￥90.00 * 1510 * 36 * 2023-02



封面彩图提供: 许易春 E-mail: kellerxu2008@gmail.com

ACTA ECOLOGICA SINICA Vol.43, No.4 February, 2023 (Semimonthly)
CONTENTS

Research Paper

Mapping ecosystem service supply and demand; historical changes and projections under SSP-RCP scenarios	LU Huiting, STRINGER Lindsay C., YAN Yan, et al (1309)
From cities to agglomeration; characteristics and driving factors of material metabolism in the Beijing-Tianjin-Hebei Region	LIU Ningyin, ZHANG Yan, LI Yanxian, et al (1326)
Landscape pattern changes and ecosystem health assessment in the Western Qinling Mountains from 2000 to 2018	LI Feng, ZHOU Wenzuo, SHAO Zhouling, et al (1338)
Evaluation and spatiotemporal evolution of urban green development level in China	YANG Xinmei, HUANG Heping, ZHOU Ruihui (1353)
Distribution dynamics and regional differences of eco-efficiency development in China	SUN Congting, FU Liyuan, JIANG Ben, et al (1366)
Regional pattern analysis and spatio-temporal evolution of ecological and urban dual network in Chengdu-Chongqing urban agglomeration	WANG Qianna, XIE Mengqing, ZHANG Wenping, et al (1380)
Ecological carrying capacity evolution and ecological sensitivity analysis of urban agglomeration in the northern slope of Tianshan Mountains	WEI Bohao, KASIMU · Alimujiang, REHEMAN · Rukeya, et al (1399)
Impacts and assessment of climate change on the global distribution of potentially suitable habitats for <i>Panthera uncia</i>	YANG Ziwen, HAN Shuyi, LI Yi, et al (1412)
Spatio-temporal migration characteristics of wild Chinese Asian elephants based on land use change and ecosystem service supply and demand	YA Xijia, REN Huize, DONG Xiaobin, et al (1426)
The conservation awareness and attitudes of community residents towards Giant Panda Reintroduction Program	ZHOU Xiao, YAN Xiao, LIU Dian, et al (1437)
Habitat selection of wild boar (<i>Sus scrofa</i>) in mountain area on Guizhou Plateau, China based on camera-trapping dataset	YANG Guangmei, GUO Qunyi, YANG Xiongwei, et al (1449)
Comparison and evaluation of the ecological network construction method based on principles of landscape ecology	LI Quanquan, JIN Xiaobin, ZHANG Xiaolin, et al (1461)
The soundscape big data online capturing and analysis system based on multi-sensor	LIN Yinglun, LI Chunming, WANG Jingyi, et al (1474)
Effects of landscape pattern on water quality at multi-spatial scales in the Liuxi River	ZHU Aiping, YUAN Shengyan, WEN Shanshan, et al (1485)
Study on the relationship between grassland components and soil erosion and its responses to rainfall scenarios in the loess region	LIU Jianbo, GAO Guangyao, FU Bojie (1496)
Effect of fenced grazing on soil active organic carbon in Napahai Wetland	LIU Shuang, FAN Fenghua, ZHANG Kun, et al (1506)
Soil quality evaluation for different forest plantation of sandy land in Yinchuan Plain, Ningxia	TIAN Ying, XU Zhe, WANG Yali, et al (1515)
Land desertification simulation and dynamic assessment of Qinghai-Tibet Plateau based on Google Earth engine	LI Zuocheng, ZHANG Lu, OUYANG Zhiyun, et al (1526)
Spatio-temporal characteristics of Xinjiang grassland NDVI and its response to climate change from 1981 to 2018	CHEN Chunbo, LI Gangyong, PENG Jian (1537)
Variations of sap flow of <i>Caragana korshinskii</i> and <i>Hippophae rhamnoides</i> in hilly and gully region of the Loess Plateau	BO Yongming, WANG Lijie, JIAN Shengqi (1553)

- Relationship between plant diversity, productivity and environmental factors at a transect scale in the dryland of China YANG Yong, WEI Wei, WANG Lin, et al (1563)
- Spatial autocorrelation patterns and influencing factors of tree radial growth in the secondary *Picea* forest in Guandi Mountains, northern China CHEN Song, WANG Chenlin, REN Yuchen, et al (1572)
- Response of carbon flux of different moss biocrust patches to rainfall in arid desert LI Yonggang, ZHANG Yuanming (1584)
- Analyzing the Effect and Influencing Factors of Vegetation Restoration in Sichuan Province from 2000 to 2019 XIANG Jiayao, PENG Wenfu, TAO Shuai, et al (1596)
- Convergence of main bark functional traits of tree and shrub twigs in evergreen broad-leaved forest of the Wuyi Mountain DU Jingui, FANG Yi, FAN Ruirui, et al (1610)
- Analysis of drought variation characteristics in North China Plain based on optimized remote sensing drought index WU Tianxiao, LI Baofu, GUO Hao, et al (1621)
- Responses of sap flow of *Hedysarum leave* to climatic factors in Mu Us Sandy land HONG Guangyu, WANG Xiaojiang, GAO Xiaowei, et al (1635)
- Relationship between leaf area index and climate factors in a *Quercus variabilis* plantation at the southern foot of Taihang Mountain from 2001 to 2019 HUANG Hui, ZHENG Changling, MENG Ping, et al (1646)
- Spatio-temporal and trophic niche of dominant fish species in Kuncheng Lake CHEN Yadong, REN Long, XU Pao, et al (1655)
- Seasonal variation in the consumption of food by fish in the Mituo floodplain waters of the upper Yangtze River and implications for food web dynamics LI Bin, ZHENG Yuchen, XU Dandan, et al (1664)
- Distribution characteristics of autumn fish diversity in Chishui River based on environmental DNA metabarcoding technology GUO Ningning, SHEN Mei, XIAO Nengwen, et al (1676)
- Characteristics of bacterial community diversity, composition and structure in different niches of ginger root DANG Keke, HOU Jinfeng, LIU Hong, et al (1691)

Review and Monograph

- An overview of urban wildness ecological research YUAN Jia, OU Huajie, JIN Xiaodong, et al (1703)
- Advances in soil moisture-carbon-microbe coupling on the Loess Plateau, China YANG Yang, LIU Liangxu, ZHANG Pingping, et al (1714)
- Review and prospect of resilient cities: From the perspective of urban complex systems SHI Chenchen, ZHU Xiaoping, WANG Chenxing, et al (1726)