

只有一个地球, 请关心和维护这个小小的行星 Only one earth,please care for and maintain the small planet 中 国 中 文 核 心 期 刊 中 国 科 技 核 心 期 刊 中国科学引文数据库核心库期刊

ISSN 1674-5906 CN 44-1661/X

生态环境学报

ECOLOGY AND ENVIRONMENTAL SCIENCES

2021年3月 第30卷 第3期 Vol.30 No.3





广 东 省 土 壤 学 会 _{主办} 广东省科学院生态环境与土壤研究所

http://www.jeesci.com E-mail:editor@jeesci.com

生态环境学报

第30卷第3期 2021年3月18日

目 次

研究论文

封育方式对荒漠草原群落特征及土壤理化性质的影响刘建康,张克斌,冯湘,刘新月(445) 不同封育年限荒漠草原土壤有机碳矿化及温度敏感性宋珂辰,王国会,许冬梅,王星(453) 黄河中游河道滩地不同土地利用类型土壤呼吸强度的差异分析
华山松林凋落物养分释放及土壤生态化学计量特征对模拟氮沉降的短期响应 潘禹,王克勤,宋娅丽,张雨鉴,郑兴蕊(492)
施氮与凋落物去除影响下中亚热带阔叶林土壤氮素矿化潜势和硝化潜势研究陈灿灿,马红亮,高人,尹云峰(503) 雅砻江流域生长季植被时空变化特征及对气象因子的响应分析魏榕,刘冀,张特,张茜,彭涛,刘艳丽(512) 蚯蚓粪复配硼钼调理剂对土壤改良和茄子生长的影响作用
·····································
北京西山国家森林公园中空气负离子浓度与气象因子的相关性研究 李少宁,李媛,鲁绍伟,张伟宁,徐兰,赵娜,徐晓天(541)
乌鲁木齐城市地表温度时空变化与贡献度研究
·····································
······陈任连,蔡茜茜,周丽华,袁勇,余震,王跃强(596) 中国焦化场地近 20 年时空演变特征及驱动因素 ····································

综 述

稀土元素在土壤中的释放与迁移研究进展……王玉洁,刘蓓蓓,万全,周峰平,刘文深,汤叶涛,张妙月, 仇荣亮(644) 植物修复土壤重金属污染中外源物质的影响机制和应用研究进展……………………………………史广宇,余志强,施维林(655)



期刊基本参数: CN 44-1661/X * 1992 * m * A4 * 222 * zh * P * ¥ 40.00 * 750 * 24 * 2021-03

ECOLOGY AND ENVIRONMENTAL SCIENCES

Vol.30 No.3 March 18, 2021

Contents

Research Articles

Effects of Enclosure Regimes on Community Characteristics and Soil Physicochemical Properties in Desert Grasslands
LIU Jiankang, ZHANG Kebin, FENG Xiang, LIU Xinyue (445)
Soil Organic Carbon Mineralization and Its Temperature Sensitivity in Desert Steppe with Different Enclosure Ages
SONG Kechen, WANG Guohui, XU Dongmei, WANG Xing (453)
An Analysis on Difference of Soil Respiration Intensity in Different Land Use Types in Floodplain of the Middle Yellow River LV Haibo (460)
Surface Pollen Distribution on the North Slope of Bogda Mountain, Xinjiang, China WAO Fulong, ZHANG Jing, YANG Haijun, XIA Qianqian (466)
Tradeoffs and Synergies Analysis on Forest Ecosystem Services in the Three Gorges Reservoir Area
WANG Na, CHU Xinlei, GOU Mengmeng, LI Le, LA Lumeng, LIU Changfu (475)
Soil Carbon, Nitrogen, Phosphorus Content and Their Ecological Stoichiometric Characteristics in Different Plantation Ages
ZHANG Furong, LIU Yang, SHI Changming, ZHAO Yunfei, XIAO Jinjin, WANG Xia (485)
Short-term Responses of Litter Nutrient Release and Soil Ecological Stoichiometry to Simulated Nitrogen Deposition in Pinus armandii Forest in Central
Yunnan, China
Study on the Potential of Nitrogen Mineralization and Nitrification in Mid-subtropical Broad-leaved Forest Soil Already Treated with Nitrogen Addition
and Litter Removal
Analysis of Vegetation Spatiotemporal Variation Characteristics and Response to Meteorological Factors in the Growing Season in Yalong River Basin
WEI Rong, LIU Ji, ZHANG Te, ZHANG Qian, PENG Tao, LIU Yanli (512)
Effects of Molybdenum- and Boron-enriched Earthworm Cast As A Soil Conditioner on Soil Improvement and Eggplant Growth
HUANG Saihua, LIU Tong, HUANG Youliang, GAO Yuanxue, LI Wengai, YU Weimin, JI Xiyan (523)
Study on the Effects of Acid Rain on the Photosynthetic and Antioxidant Systems and Yield of Lettuce
ZHONG Jiawen, SHAN Xiaoran, ZHANG Jia'en, XIANG Huimin, REN Xiaoqiao, HEI Zewen, LIU Qingshan (532)
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541)
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China CHAI Jinpeng, CHEN Xuegang, Alimujiang Kasimu, GAO Pengwen (548) Health Risk Assessment of Groundwater Drinking Pathway Around A Municipal Solid Waste Landfill
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest ParkLI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China CHAI Jinpeng, CHEN Xuegang, Alimujiang Kasimu, GAO Pengwen (548) Health Risk Assessment of Groundwater Drinking Pathway Around A Municipal Solid Waste Landfill XU Ying, MA Yiming, ZHANG Xi, PENG Jian, XU Chaoran, SHI Yongqiang, TANG Jiaxi (558)
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest ParkLI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China CHAI Jinpeng, CHEN Xuegang, Alimujiang Kasimu, GAO Pengwen (548) Health Risk Assessment of Groundwater Drinking Pathway Around A Municipal Solid Waste Landfill XU Ying, MA Yiming, ZHANG Xi, PENG Jian, XU Chaoran, SHI Yongqiang, TANG Jiaxi (558) Absorption Characteristics and Source Analysis of Chromophoric Dissolved Organic Matter in the Taiyuan Section of Fenhe River GAO Feng, CHEN Xiaoling, YANG Wenfu, YAO Yue, WANG Wenwen (569)
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China CHAI Jinpeng, CHEN Xuegang, Alimujiang Kasimu, GAO Pengwen (548) Health Risk Assessment of Groundwater Drinking Pathway Around A Municipal Solid Waste Landfill XU Ying, MA Yiming, ZHANG Xi, PENG Jian, XU Chaoran, SHI Yongqiang, TANG Jiaxi (558) Absorption Characteristics and Source Analysis of Chromophoric Dissolved Organic Matter in the Taiyuan Section of Fenhe River GAO Feng, CHEN Xiaoling, YANG Wenfu, YAO Yue, WANG Wenwen (569) Stressed effects of C-Cu ₂ O nanoparticles on <i>Chlorella vulgaris</i> JI Xiyan, TANG Jingyi, YE Jing, WU Shichao, HUANG Saihua, HOU Meifang, LI Xin, XU Wenwu (578) The Characteristics and Distribution of Soil Pollution in Smelting Industry Sites in China LI Qiang, HE Liansheng, WANG Yaofeng, CAO Ying, GAO Cunfu, LIU Xiaoxue (586)
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China CHAI Jinpeng, CHEN Xuegang, Alimujiang Kasimu, GAO Pengwen (548) Health Risk Assessment of Groundwater Drinking Pathway Around A Municipal Solid Waste Landfill XU Ying, MA Yiming, ZHANG Xi, PENG Jian, XU Chaoran, SHI Yongqiang, TANG Jiaxi (558) Absorption Characteristics and Source Analysis of Chromophoric Dissolved Organic Matter in the Taiyuan Section of Fenhe River GAO Feng, CHEN Xiaoling, YANG Wenfu, YAO Yue, WANG Wenwen (569) Stressed effects of C-Cu ₂ O nanoparticles on <i>Chlorella vulgaris</i> JI Xiyan, TANG Jingyi, YE Jing, WU Shichao, HUANG Saihua, HOU Meifang, LI Xin, XU Wenwu (578) The Characteristics and Distribution of Soil Pollution in Smelting Industry Sites in China LI Qiang, HE Liansheng, WANG Yaofeng, CAO Ying, GAO Cunfu, LIU Xiaoxue (586) Characteristics of Soil Contamination with Heavy Metals (Pb and Cd) in A Smelting Plant of Gansu and Their Effects on Microbial Community Structure
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China CHAI Jinpeng, CHEN Xuegang, Alimujiang Kasimu, GAO Pengwen (548) Health Risk Assessment of Groundwater Drinking Pathway Around A Municipal Solid Waste Landfill XU Ying, MA Yiming, ZHANG Xi, PENG Jian, XU Chaoran, SHI Yongqiang, TANG Jiaxi (558) Absorption Characteristics and Source Analysis of Chromophoric Dissolved Organic Matter in the Taiyuan Section of Fenhe River GAO Feng, CHEN Xiaoling, YANG Wenfu, YAO Yue, WANG Wenwen (569) Stressed effects of C-Cu ₂ O nanoparticles on <i>Chlorella vulgaris</i> JI Xiyan, TANG Jingyi, YE Jing, WU Shichao, HUANG Saihua, HOU Meifang, LI Xin, XU Wenwu (578) The Characteristics and Distribution of Soil Pollution in Smelting Industry Sites in China LI Qiang, HE Liansheng, WANG Yaofeng, CAO Ying, GAO Cunfu, LIU Xiaoxue (586) Characteristics of Soil Contamination with Heavy Metals (Pb and Cd) in A Smelting Plant of Gansu and Their Effects on Microbial Community Structure CHEN Renlian, CAI Xixi, ZHOU Lihua, YUAN Yong, YU Zhen, WANG Yueqiang (596)
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China CHAI Jinpeng, CHEN Xuegang, Alimujiang Kasimu, GAO Pengwen (548) Health Risk Assessment of Groundwater Drinking Pathway Around A Municipal Solid Waste Landfill XU Ying, MA Yiming, ZHANG Xi, PENG Jian, XU Chaoran, SHI Yongqiang, TANG Jiaxi (558) Absorption Characteristics and Source Analysis of Chromophoric Dissolved Organic Matter in the Taiyuan Section of Fenhe River GAO Feng, CHEN Xiaoling, YANG Wenfu, YAO Yue, WANG Wenwen (569) Stressed effects of C-Cu ₂ O nanoparticles on <i>Chlorella vulgaris</i> JI Xiyan, TANG Jingyi, YE Jing, WU Shichao, HUANG Saihua, HOU Meifang, LI Xin, XU Wenwu (578) The Characteristics and Distribution of Soil Pollution in Smelting Industry Sites in China LI Qiang, HE Liansheng, WANG Yaofeng, CAO Ying, GAO Cunfu, LIU Xiaoxue (586) Characteristics of Soil Contamination with Heavy Metals (Pb and Cd) in A Smelting Plant of Gansu and Their Effects on Microbial Community Structure CHEN Renlian, CAI Xixi, ZHOU Lihua, YUAN Yong, YU Zhen, WANG Yueqiang (596) Spatio-temporal Evolution Characteristics and Its Driving Factors of National Coking Sites in the Last 20 Years
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China CHAI Jinpeng, CHEN Xuegang, Alimujiang Kasimu, GAO Pengwen (548) Health Risk Assessment of Groundwater Drinking Pathway Around A Municipal Solid Waste Landfill XU Ying, MA Yiming, ZHANG Xi, PENG Jian, XU Chaoran, SHI Yongqiang, TANG Jiaxi (558) Absorption Characteristics and Source Analysis of Chromophoric Dissolved Organic Matter in the Taiyuan Section of Fenhe River GAO Feng, CHEN Xiaoling, YANG Wenfu, YAO Yue, WANG Wenwen (569) Stressed effects of C-Cu ₂ O nanoparticles on <i>Chlorella vulgaris</i> LI Qiang, HE Liansheng, WANG Yaofeng, CAO Ying, GAO Cunfu, LIU Xiaoxue (586) Characteristics of Soil Contamination with Heavy Metals (Pb and Cd) in A Smelting Plant of Gansu and Their Effects on Microbial Community Structure CHEN Renlian, CAI Xixi, ZHOU Lihua, YUAN Yong, YU Zhen, WANG Yueqiang (596) Spatio-temporal Evolution Characteristics and Its Driving Factors of National Coking Sites in the Last 20 Years LIU Zhenkun, WU Huayong, LIU Feng, ZHANG Ganlin, LI Decheng, ZHENG Guanghui, ZENG Rong (604)
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park
Correlation between Air Anion Concentration and Meteorological Factors in Beijing Xishan National Forest Park LI Shaoning, LI Ai, LU Shaowei, ZHANG Weining, XU Lan, ZHAO Na, XU Xiaotian (541) Spatial-temporal Patterns of Land Surface Temperature and Contribution in Urumqi, China CHAI Jinpeng, CHEN Xuegang, Alimujiang Kasimu, GAO Pengwen (548) Health Risk Assessment of Groundwater Drinking Pathway Around A Municipal Solid Waste Landfill LI XU Ying, MA Yiming, ZHANG Xi, PENG Jian, XU Chaoran, SHI Yongqiang, TANG Jiaxi (558) Absorption Characteristics and Source Analysis of Chromophoric Dissolved Organic Matter in the Taiyuan Section of Fenhe River GAO Feng, CHEN Xiaoling, YANG Wenfu, YAO Yue, WANG Wenwen (569) Stressed effects of C-Cu ₂ O nanoparticles on <i>Chlorella vulgaris</i> LI Xing, TANG Jingyi, YE Jing, WU Shichao, HUANG Saihua, HOU Meifang, LI Xin, XU Wenwu (578) The Characteristics and Distribution of Soil Pollution in Smelting Industry Sites in China LI Qiang, HE Liansheng, WANG Yaofeng, CAO Ying, GAO Cunfu, LIU Xiaoxue (586) Characteristics of Soil Contamination with Heavy Metals (Pb and Cd) in A Smelting Plant of Gansu and Their Effects on Microbial Community Structure CHEN Renlian, CAI Xixi, ZHOU Lihua, YUAN Yong, YU Zhen, WANG Yueqiang (596) Spatio-temporal Evolution Characteristics and Its Driving Factors of National Coking Sites in the Last 20 Years LIU Zhenkun, WU Huayong, LIU Feng, ZHANG Ganlin, LI Decheng, ZHENG Guanghui, ZENG Rong (604) Co-adsorption of Cd(II) and As(V) on Soil Iron Oxide and Bacterial Surface YIN Xuefei, YANG Ruijia, LIU Yuling, TIE Boqing, NIE Ning, DU Huihui (614)

Reviews

The Release and Transport Behavior of Rare Earth Elements in Soil: A Review
.....WANG Yujie, LIU Beibei, WAN Quan, ZHOU Fengping, LIU Wenshen, TANG Yetao, ZHANG Miaoyue, QIU Rongliang (644)
Research Progress on Mechanism and Application of Exogenous Substances in Phytoremediation of Heavy Metal Contaminated Soil
.....SHI Guangyu, YU Zhiqiang, SHI Weilin (655)