生 态 环 境 学 报

(原《生态环境》)

第19卷 第9期 2010年9月18日

目 次

研究论文
多时间尺度上研究中国近代气温变化规律
城镇化与绿地退化对城市热环境影响研究村锐鹏,梅志雄(2023)
辽宁省气候-植被指标时空变化特征及森林适宜性分析贾庆宇,王笑影,吕国红,谢艳兵(2031)
区域农田生态系统生产力的时空格局及其影响因子研究:以山东省为例
基于净初级生产力的能源足迹模型及其与传统模型的比较分析
基于属性识别理论的城市生态安全评价:以广州市为例
苏南丘陵区典型森林生态系统服务价值估算 ····································
中亚热带杉木人工林冰雪灾害引发的林木损害及林地养分分布
大别山多枝尖山区林下植物种间联结性研究王志高,张中信,段仁燕,吴甘霖,沈三保(2066)
库布齐沙漠自然植被与人工植被土壤水盐的空间异质性比较研究李朝生,杨晓晖,于春堂,慈龙骏,成文连(2072)
科尔沁沙地土地利用变化对土壤特性的影响刘任涛,赵哈林(2079)
Arkadolith 土壤改良剂对内蒙沙区常见牧草生长状况的影响郭建斌,周洁,蒋坤云,曹晓霞,李文斌(2085)
钙对甜樱桃贮藏品质、钙形态及细胞超微结构影响邢尚军,刘方春,马丙尧,杜振宇,马海林,段春华(2091)
不同生境下报春苣苔的光合作用日变化特性 梁开明,林植芳,刘楠,张倩媚,任海(2097)
黄海春季表层叶绿素和初级生产力及其粒径结构研究张江涛,殷克东(2107)
白洋淀沉积物中磷的存在形态及垂直变化规律研究申世刚,乔子路,秦哲,李洪波,梁淑轩(2112)
城市滨海湿地表层沉积物磷形态与相关关系分析
珠海近岸海域表层沉积物中的重金属及生态危害评价
典型喀斯特表层岩溶带地下水化学特征:以贵州清镇王家寨喀斯特小流域为例陈生华,王世杰,肖德安,杨涛(2130)
鄱阳湖双退区受损湿地植被恢复对水质的影响严玉平,钱海燕,周杨明,刘梅影,鄢帮有,刘青(2136)
人工湿地处理富营养化水体的效果研究崔丽娟,张曼胤,李伟,张岩,赵欣胜,赵玉辉,王义飞,李胜男(2142)
不同类型水生植物群落对铜绿微囊藻的化感作用 田如男,孙欣欣,魏勇(2149)
邻苯二甲酸二丁酯对三角褐指藻的生态毒性效应杨慧丽,段舜山(2155)
3 种水生植物对锰污染水体修复作用的研究 ······················华建峰,胡李娟,张垂胜,殷云龙,王兴祥(2160)
1株贫营养好氧反硝化菌的分离鉴定及其脱氮特性魏巍,黄廷林,苏俊峰,王春燕,黄卓,李娜 (2166)
氨氮废水的厌氧氨氧化生物脱氮研究
菲高效降解菌的降解特性及其受蒙脱石的影响研究 戚文珍,吴宏海,古小敏,曾丽璇,管玉峰,舒月红(2177)
活性炭辅助微波热解污泥反应条件的试验研究万立国,田禹,张丽君,方琳(2182)
北京市场常见水产品中总汞、甲基汞分布特征及食用风险童银栋,郭明,胡丹,欧浪波,魏文,张巍,王学军(2187)
城镇居民家庭生活源污染物产排特性研究赵坤荣,陈建耀,许振成,黄海伟,蔡楠,杨大勇,杨剑(2192)
城镇生活源污染物排放与食物消费相互关系研究赵坤荣,陈建耀,王俊能,许振成,杨大勇,杨剑(2199)
基于 PCR-DGGE 的重金属污染土壤微生物种群指纹分析 ·············李晔,孙丽娜,杨继松,杨晓波,曲亚军(2204)

工业	!污染地 6 种乔木树种重金属累积特征研究	余娜 ,何》	淑琼 ,	卢雅莉,	陈红跃,	康敏明	(2214)
天然	沸石对番茄及土壤中铅的影响·······	李鹏,安	志装,	赵同科,	刘宝存,	张成军	(2219)
天津	!城区大气气溶胶质量浓度分布特征与影响因素		姚青,	蔡子颖,	张长春,	穆怀斌	(2225)
综	~						
毒理	基因组学研究进展		··· 陆 韻	, 侯凌燕	,胡洪营	,李莉	(2232)
景观	!规划与管理及其相关领域研究的新进展	E让会,	丁玉华	, 陆志家	, 王龚博	事华	(2240)
生态	系统服务价值评估的研究进展				虞依娜 ,	彭少麟	(2246)
中国	农村环境污染防治研究综述	魏晋	, 李娟	, 冉瑞平	,王琛,	邓良基	(2253)
草地	枯落物分解研究进展及展望	·· 李学斌	, 马林	,陈林,	许冬梅,	谢应忠	(2260)
观	点						
论全	:球生态经济系统的不可持续性:基于农业生态系统承载力视角·········			⋯ 蔡承智	,梁颖,	廖承红	(2265)

期刊基本参数:CN 44 – 1661/X * 1992 * m * A4 * 252 * zh * P * ¥ 30.00 * 1 500 * 42 * 2010 – 09

ECOLOGY AND ENVIRONMENTAL SCIENCES

Vol.19 No.9 September 18, 2010

Contents

Research Articles	
Study on the 60-year's temperature variation in China on multiple time scales	
JIANG Yangming, CUI Weihong, DONG Qianlin, PENG Guangxiong (201	7)
Analysis on the influence of urbanization and greenland-degradation on city thermal environment	
KE Ruipeng, MEI Zhixiong (202)	3)
Spatio-temporal characteristics of climate-vegetation index and forest suitability in Liaoning Province	
	1)
The spatial and temporal patterns of net primary productivity and its impact factors in regional agro-ecosystem: a case study	
in Shandong province SU Benying, ZHANG Lu, CHEN Shengbin, WANG Bingxue, JIANG Gaoming (2030)	6)
A new energy ecological footprint model based on net primary productivity and its comparison with traditional model	
FANG Kai, DONG Deming, SHEN Wanbin (204.	2)
Urban ecological security assessment based on attribute recognition theory: a case study on Guangzhou city	
TAO Xiaoyan, ZHU Jiulong, WANG Shijun (204	8)
Ecosystem value evaluateon for typical forest ecosystem in hilly region of southern Jiangsu province	
TAO Baoxian, ZHANG Jinchi, YU Yuanchun (205	4)
Tree damage and woodland nutrient distribution caused by ice-snow damage in a <i>Cunninghamia lanceolata</i> plantation in	ĺ
mid-subtropical zone China	
	1)
Interspecific association of understory species in Duozhijian, Dabieshan Mountain, Anhui Province	,
WANG Zhigao, WU Ganlin, DUAN Renyan, ZHANG Zhongxin, SHEN Sanbao (206	6)
Comparative study of soil moisture and salt spatial distribution in small scale between natural and artificial vegetations in	• /
Kubuqi Desert ······LI Chaosheng, YANG Xiaohui, YU Chuntang, CI Longjun, CHENG Wenlian (207:	2)
Effect of land use changes on soil properties in Horqin sandy land	
The effects of Arkadolith soil amendment on herbage growth in the sand area of Inner Mongolia	- ,
	5)
Storage property, calcium fractions, and cell ultrastructure in sweet cherry as affected by calcium	<i>,</i>
	1)
Diurnal photosynthetic performances of <i>Primulina tabacum</i> Hance grown in different Karst habitats	.,
LIANG Kaiming, LIN Zhifang, LIU Nan, ZHANG Qianmei, REN Hai (209)	7)
Distributions of size-fractioned Chlorophyll-a and primary production of phytoplankton in spring of the Yellow Sea	')
ZHANG Jiangtao, YIN Kedong (210	7)
Zin i vo stangato, i i v redong (210	')
Investigation of phosphorus species and vertical variation in the sediments of Lake Baiyangdian	
SHEN Shigang, QIAO Zilu, QIN Zhe, LI Hongbo, LIANG Shuxuan (211:	2)
Phosphorus fractions and theirs correlation analysis in surface sediment of urban coastal wetland	,
PAN Qikun, LUO Zhuanxi, YAN Changzhou, ZHANG Dandan (211	7)
Heavy metals concentration and ecological risk assessment in surface sediments of Pearl River Estuary in Zhuhai	' /
QIAN Xiaojia, DUAN Shunshan (212)	3)
The hydrochemical characteristics of the epikarst zone: a case study on Wangjiazhai karst catchment in Qinzhen city, Guizhou	- ,
province	0)
The effects of vegetation restoration on water quality in the degraded wetlands of Poyang Lake	· ,
YAN Yuping, QIAN Haiyan, ZHOU Yangming, LIU Meiying, YAN Bangyou, LIU Qing (213)	6)
Research on the effects of constructed wetlands for eutrophication waterbodies	٠,
······ CUI Lijuan, ZHANG Manyin, LI Wei, ZHANG Yan, ZHAO Xinsheng, ZHAOYuhui, WANG Yifei, LI Shengnan (214:	2)
Allelopathic effect of four aquatic plants communities on <i>Microcystis aeruginosa</i> ······ TIAN Runan, SUN Xinxin, WEI Yong (214	
The ecological toxic effects of dibutyl phthalate on <i>Phaeodactylum tricornutum</i> ····································	
Phytoremediation of manganese-contaminated water by three aquatic macrophytes	-)
HUA Jianfeng, HU Lijuan, ZHANG Chuisheng, YIN Yunlong, WANG Xingxiang (216)	0)
	. ,

Isolation and identification of an oligotrophic and aerobic denitrification and its denitrification characteristics
Biological nitrogen removal with the Anaerobic-ammonium-oxidation (Anammox) process
LIU Chengliang, LI Tianyu, LIU Kehui, LI Xuejun, MO Shaofeng, CHEN Zhencheng (2172)
Degradation characteristics of a highly efficient phenanthrene-degrading strain and the effects of montmorillonite
QI Wenzhen, WU Honghai, GU Xiaomin, ZENG Lixuan, GUAN Yufeng, SHU Yuehong (2177)
Experimental study on reacting conditions of microwave pyrolyzing sewage sludge induced by active carbon
WAN Liguo, TIAN Yu, ZHANG Lijun, FANG Lin (2182)
Analysis and risk assessment of total mercury and methylmercury in aquatic products in Beijing market
TONG Yindong, GUO Ming, HU Dan, OU Langbo, WEI Wen, ZHANG Wei, WANG Xuejun (2187)
Research on the generation and discharge characteristics of domestic pollutants from urban households
ZHAO Kunrong, CHEN Jianyao, XU Zhencheng, HUANG Haiwei, CAI Nan, YANG Dayong, YANG Jian (2192)
Research on the relationship between discharge characteristics of domestic pollutants from urban and food consumption system
ZHAO Kunrong, CHEN Jianyao, WANG Junneng, XU Zhencheng, YANG Dayong, YANG Jian (2199)
Microbial communities in heavy metal polluted soils by PCR-DGGE fingerprint
LI Ye, SUN Lina, YANG Jisong, YANG Xiaobo, MA Li (2204)
The prediction of accumulation trend for soil pollution of heavy metals in Jinghuiqu irrigation district of Shaanxi
YI Xiu, GUO Tingting, GU Xiaojing (2209)
Accumulation of heavy metals in six trees in industrial pollution area
YU Na, HE Shuqiong, LU Yali, CHEN Hongyue, KANG Minming (2214)
Effects on Pb in tomato and soil with natural zeolite addtion to tomato planting soil
LI Peng, AN Zhizhuang, ZHAO Tongke, LIU Baocun, ZHANG Chengjun (2219)
Variety characteristics and influence factors of aerosol mass concentrations in Tianjin city
YAO Qing, CAI Ziying, ZHANG Changchun, MU Huaibin (2225)
Reviews
Progress in toxicogenomics LU Yun, HOU Lingyan, HU Hongying, LI Li (2232)
Advancement among landscape planning and management and their related fields
Review on evaluation of ecosystem services ————————————————————————————————————
A review of research on pollution prevention and control of rural environment in China
Research progress and the prospect of grassland litters decomposition
LI Xuebin, MA Lin, CHEN Lin, XU Dongmei, XIE Yingzhong (2260)
Perspectives
On unsustainability of global economic ecosystem: based on the capacity of agro-ecosystem
CAI Chengzhi, LIANG Ying, LIAO Chenghong (2265)