



中国科学引文数据库来源期刊
中文核心期刊(2011)
广东省特色科技期刊



ISSN 1008-8873
CN44-1215/Q

生态科学

Ecological Science

5 2017

第36卷 第5期
VOL. 36 NO. 5



广东省生态学会 暨南大学 主办

万方数据

生
态
科
学
二〇一七年九月

第三十六卷

第五期

SEP. 2017 VOL.36

NO.5

科学出版社

生态科学

(SHENTAI KEXUE)

第 36 卷第 5 期 (总第 129 期) 2017 年 9 月 (双月刊 1982 年创刊)

目 次

研究报告

- 天然及人工红树林土壤微生物群落结构分析 殷萌清, 冯建祥, 黄小芳, 蔡中华, 林光辉, 周进(1)
强酸胁迫下大叶相思幼苗抗性生理机制研究 杨舒贻, 李俊成, 惠文凯, 陈晓阳, 马玲(11)
广东省大沙河水库轮虫群落结构的时空异质性分析 徐少林, 李慧明, 顾杨亮, 韩博平(18)
几种红树植物模拟湿地系统对污水中重金属的净化效应 陈思敏, 唐以杰, 罗丽芬, 张京京, 宋乾峰, 陈晓芬, 黄慧娟, 孙婷琪, 林晓纯(27)
磷浓度与氮磷比对蛋白核小球藻氮磷吸收效应的影响 曹煜成, 李卓佳, 胡晓娟, 徐煜, 孙志伟, 李奕雯, 文国樑(34)
浙江近海海域浮游病毒和异养细菌的时空分布 李汝伟, 徐大鹏, 刘强, 姚天舜, 赵淑江, 焦念志(41)
基于 PSR 模型的河南省水生态安全综合评价研究 张满满, 于鲁冀, 张慧, 靖中秋(49)
水华初期蓝藻颗粒有机物在不同菌群作用下分解释放营养盐的过程研究 黄亚新, 张小倩, 杨燕, 孔繁翔, 卢亚萍, 施丽梅(55)
山西陵川南方红豆杉群落优势种生态位特征 王霞, 铁军, 刘泽宇(64)
接种高温纤维素菌剂对生活垃圾堆肥理化性质的影响 王伟轩, 孙志朋, 霍文杰, 周琳, 王玉冰, 何湘伟(73)
海南儋州地区低割龄橡胶树热研 7—20—59 茎粗生长月动态研究初报 邱栋灵, 孙瑞, 陶忠良, 陈帮乾, 杨川, 兰国玉, 谢贵水, 吴志祥(80)
黄土高原塬区的植被属性探讨 王晗生(85)
五大连池矮曲林土壤微生物量碳、氮对季节变化的动态响应特征 姜明月, 张文天, 魏晓雪(96)
水下 LED 光照对凡纳滨对虾养殖水体环境因子和浮游植物群落变化的影响 徐华兵, 王龙乐, 曾权辉, 王首吉, 梅志平, 杜虹(104)
光照对珙桐幼苗光合与生长特性的影响 姜瑞芳, 刘艳红(114)
草海自然保护区空心莲子草群落植物组成及多样性分析 彭雪梅, 钱长江, 杨允菲, 张兆军(121)
金沙江下游圆口铜鱼生境适宜度曲线的构建 杨志, 张鹏, 唐会元, 龚云, 董纯, 陈小娟, 赵娜(129)
两种石漠化区退耕林型的土壤呼吸及模型模拟 郑威, 何峰, 谭一波, 申文辉(138)
基于终端消费的云南省碳排放总量测算及驱动因素实证研究 林秀群, 童祥轩, 梁超(144)
龙须菜养殖对深澳湾表层水体 $p\text{CO}_2$ 的影响 王首吉, 杜虹, 张清芳, 陈洋, 梅志平, 陈伟洲(152)
钟矿区海金沙内生真菌多样性及生态分布研究 张红芳, 甘会云, 钱旭, 陈晔(160)
2000—2015 年间贵州省土地生态环境质量时空演变特征 姜海峰, 安裕伦, 周旭, 许幼霞, 余晓芳(170)
从木榄叶片超微结构所受的影响评估外来种拉关木的化感作用 王秀丽, 周亮, 卢昌义(177)
珠海淇澳岛红树林湿地经济鱼类的重金属污染现状及对人体健康风险分析 刘金苓, 李华丽, 唐以杰, 谢旅娜, 钟嘉仪, 黄琪英, 邓高明, 刘妮(186)
贵阳市城市化与生态环境耦合研究 蔡振饶, 李玉红, 李旭东(196)
陕西子午岭国家级自然保护区鞘翅目昆虫群落的边缘效应 徐世才, 王丽娟(204)
噪声污染对大鼠肝肾功能的影响 俞发荣, 郭蕴萱, 连秀珍, 谢明仁, 李登楼, 张诗爽, 陈望军, 杨博(211)
综述
河口及近岸海域水体叶绿素浓度反演方法综述 张棋斐, 吴志峰, 解学通(215)
土壤中多环芳烃源解析技术研究进展 李嘉康, 宋雪英, 崔小维, 魏建兵(223)
中国红树林湿地有机污染物研究进展 张再旺, 李甲亮, 隋涛, 程明明, 孙凯峰(232)
动态
广东省生态学会开展生态文明建设主题系列活动 (84)

期刊基本参数: CN44-1215/Q * 1982 * b * 16 * 240* zh * P * ￥50.00 * 1000 * 30* 2017-9

ECOLOGICAL SCIENCE

(Bimonthly, Started in 1982)

Peer Reviewed

Vol.36 No.5 Sep 2017

CONTENT

Research papers

- Soil microbial community structure in natural and transplanted mangrove (*Kandelia obovata*) forests YIN Mengqing, FENG Jianxiang, HUANG Xiaofang, CAI Zhonghua, LIN Guanghui, ZHOU Jin (1)
Study on the physiological mechanism for seedling resistance to strong acid stress in *Acacia auriculiformis* YANG Shuyi, LI Juncheng, HUI Wenkai, CHEN Xiaoyang, MA Ling (11)
Temporal and spatial variation of the community structure of rotifers in Dashuhe Reservoir, southern China (Guangdong province) XU Shaolin, LI Huiming, GU Yangliang, HAN Boping (18)
Purification effects of simulation wetland system of several kinds of mangrove plants on heavy metals in wastewater CHEN Simin, TANG Yijie, LUO Lifen, ZHANG Jingjing, SONG Qianfeng, CHEN Xiaofen, HUANG Huijuan, SUN Tingqi, LIN Xiaochun (27)
Effects of phosphorus concentration and nitrogen-phosphorus ratio on absorption of nitrogen and phosphorus by *Chlorella pyrenoidosa* CAO Yucheng, LI Zhuojia, HU Xiaojuan, XU Yu, SUN Zhiwei, LI Yiwen, WEN Guoliang (34)
The spatial and temporal distribution of viriplankton and heterotrophic bacteria in the coastal waters of Zhejiang LI Ruwei, XU Dapeng, LIU Qiang, YAO Tianshun, ZHAO Shujiang, JIAO Nianzhi (41)
Assessment of the ecological security of water environment in Henan based on PSR Model ZHANG Manman, YU Liji, ZHANG Hui, JING Zhongqiu (49)
Processes of nutrients release from particulate organic matter derived from cyanobacterial blooms in early stage by different microflora HUANG Yixin, ZHANG Xiaoqian, YANG Yan, KONG Fanxiang, LU Yaping, SHI Limei (55)
Niche characteristics of dominant plant species in *Taxus chinensis* var. *mairei* community of Lingchuan, in Shanxi WANG Xia, TIE Jun, LIU Zeyu (64)
Effects of high temperature cellulose bacterium agent inoculation on physico-chemical properties of living waste compost WANG Weixuan, SUN Zhipeng, HUO Wenjie, ZHOU Lin, WANG Yubing, HE Xiangwei (73)
Preliminary analysis on stem diameter month growth rhythm of low tapping age rubber tree clone CATAS7-20-59 QI Dongling, SUN Rui, TAO Zhongliang, CHEN Bangqian, YANG Chuan, LAN Guoyu, XIE Guishui, WU Zhixiang (80)
Vegetation attributes over tableland areas in the Loess Plateau WANG Hansheng (85)
The dynamic response characteristics of microbial biomass carbon and nitrogen in elfin forest soil to seasonal variation in Wudalianchi JIANG Mingyue, ZHANG Wentian, WEI Xiaoxue (96)
The effect of underwater LED on the environmental factors of water and community composition of phytoplankton XU Huabing, WANG Longle, ZENG Quanhui, WANG Shouji, MEI Zhiping, DU Hong (104)
Effects of light intensity on the photosynthesis and growth characteristics of *Davida involucrata* seedlings JIANG Ruifang, LIU Yanhong (114)
Botanical composition and diversity analysis of *Alternanthera philoxeroides* (alligator weed) community in Caohai Nature Reserve PENG Xuemei, QIAN Changjiang, YANG Yunfei, ZHANG Zhaojun (121)
The formation of habitat suitability curves for *Coreius guichenoti* (Sauvage & Dabry de Thiersant, 1874) of the lower Jinsha River YANG Zhi, ZHANG Peng, TANG Huiyuan, GONG Yun, DONG Chun, CHEN Xiaojuan, ZHAO Na (129)
Soil respiration and model simulation for two plantation types belong to conversion of cropland to forest project in karst area ZHENG Wei, HE Feng, TAN Yibo, SHEN Wenhui (138)
Carbon emission calculation and driving factors based on terminal energy consumption: an empirical study from Yunnan Province LIN Xiuqun, TONG Xiangxuan, LIANG Chao (144)
The influence of the cultivation of *Gracilaria lemaneiformis* on the pCO₂ in surface waters of Shenao Bay WANG Shouji, DU Hong, ZHANG Qingfang, CHEN Yang, MEI Zhiping, CHEN Weizhou (152)
Diversity and ecological distribution of endophytic fungi associated with *Lygodium japonicum* in potassium mining areas ZHANG Hongfang, GAN Huiyun, QIAN Xu, CHEN Ye (160)
spatial-temporal evolution characteristics of land ecological environment quality in Guizhou Province during 2000-2015 JIANG Haifeng, AN Yulun, ZHOU Xu, XU Youxia, YU Xiaofang (170)
Allelopathic effects of exotic mangrove species *Laguncularia racemosa* on leaf ultrastructure of *Bruguiera gymnorhiza* seedlings WANG Xiuli, ZHOU Liang, LU Changyi (177)
Heavy metal pollution and risk analysis to human in economic fish of mangrove wetland in Qi'ao island, Zhuhai LIU Jinling, LI Huali, TANG Yijie, XIE Lvna, ZHONG Jiayi, HUANG Qiyi, DENG Gaoming, LIU Ni (186)
Coupling research on urbanization and ecological environment in Guiyang City CAI Zhenrao, LI Yuhong, LI Xudong (196)
Edge effects of Coleoptera insect communities in Ziwuling National Nature Reserve, Shaanxi XU Shicai, WANG Lijuan (204)
Effect of noise pollution on function of liver and kidney of rats YU Farong, GUO Yunxuan, LIAN Xiuzhen, XIE Mingren, LI Denglou, ZHANG Shishuang, CHEN Wangjun, YANG Bo (211)

Reviews

- Research progress of the inversion algorithm of chlorophyll-a concentration in estuaries and coastal waters ZHANG Qifei, WU Zhifeng, XIE Xuetong (215)
Research advances in source apportionment of polycyclic aromatic hydrocarbons in soil LI Jiakang, SONG Xueying, CUI Xiaowei, WEI Jianbing (223)
Organic contamination in mangrove ecosystems of China ZHANG Zaiwang, LI Jialiang, SUI Tao, CHENG Mingming, SUN Kaifeng (232)