

第 27 卷总目次

(题名前数字依次为期和页码)

◎ 短评

- 2:77 Thoughts of a travelling ecologist 13. Numbers, rates, ecology Gábor L. LÖVEI
4:233 Thoughts of a travelling ecologist 14. Structure-function conflation in environmental risk assessment and monitoring Gábor L. LÖVEI

◎ 综述论文

- 1:1 Use of biological control against arthropod pests in Canadian greenhouse crop production
..... L. VASSEUR, Roselyne LABBE, Mark S. GOETTEL
1:16 我国外来入侵生物防控科技进展 陈洁君, 王晶
2:80 高等级病原微生物实验室建设科技进展 陈洁君
2:88 植物凋落物影响土壤有机质分解的研究进展 ... 余涵霞, 王家宜, 万方浩, 周小燕, 蔡敏玲, 欧巧菁, 李伟华
3:155 世界毁灭性检疫害虫番茄潜叶蛾的生物生态学及危害与控制
..... 张桂芬, 刘万学, 万方浩, 冼晓青, 张毅波, 郭建洋
3:164 小圆胸小蠹及其虫菌共生体研究进展 李巧, 韩春绪, 孙江华
3:171 警惕杰克贝尔氏粉蚧 *Pseudococcus jackbeardsleyi* Gimpel & Miller 在中国大陆扩散
..... 王玉生, 周培, 田虎, 万方浩, 张桂芬
3:178 入侵植物替代控制中土著种选择机制的研究 张震, 代宇雨, 王一帆, 吕得林, 王瑞
4:236 云南扶桑绵粉蚧的发生及防治 孟醒, 桂富荣, 陈斌
4:240 西花蓟马高毒力虫生真菌筛选及其生防应用潜力的研究进展
..... 葛文超, 杜广祖, 赵永鑫, 张凌英, 户艳霞, 孙军伟, 陈斌

◎ 研究论文

- 1:20 携带与非携带松材线虫的松墨天牛 miRNA 表达谱比较分析 ... 宁静, 张宾, 田浩楷, 柳小龙, 杨炳琰, 赵莉茵
1:31 新疆葡萄穴粉虱的形态学及生物学特性 罗闻芙, 张伟, 王文卿, 吴玉华, 吾尔尼沙·卡得尔, 马德英
1:35 新入侵害虫椰子织蛾的 3 种本地寄生蜂 吕宝乾, 陈俊吕, 彭正强, 金启安, 温海波, 蔡波, 阎伟, 何杏
1:41 从进境杨木中首次截获条纹根瘤象(鞘翅目:象甲科) 陈伟, 胡萌, 伦才智, 徐豪, 杨娟
1:45 颈盲蝽取食对薇甘菊叶片营养物质和防御酶的影响
..... 李胜, 郑端靖, 王尹, 林莹, 刘梦然, 桂富荣, 万方浩, 喜超
1:50 盐碱旱地转 *Bt* 基因抗虫棉田主要害虫及其天敌种群消长动态
..... 雒琚瑜, 张帅, 吕丽敏, 朱香镇, 王春义, 张利娟, 王丽, 李春花, 崔金杰
1:59 转基因抗草甘膦棉栽培地生存竞争能力 姜伟丽, 马小艳, 任相亮, 胡红岩, 马亚杰, 王丹, 马艳
1:63 转 *cry1Ab/cry2Aj* 和 *G10evo-epsps* 基因玉米中 *Bt* 蛋白的时空表达及抗性评价
..... 孙红炜, 李凡, 高瑞, 徐晓辉, 杨淑珂, 路兴波
2:95 松花江流域大型底栖动物群落结构与水质评价 陈义永, 高养春, 彭衡, 熊薇, 李世国, 战爱斌
2:105 徐州市云龙湖大型底栖动物群落演变及环境影响因子分析 李朝, 蔡吉林, 杨靖
2:111 小瓜虫在澳洲龙纹斑鲷器官上的分布及其影响 任丽花, 罗土炎, 刘洋, 罗钦, 饶秋华, 翁伯琦
2:118 MaxEnt 模型参数设置对其所模拟物种地理分布和生态位的影响——以茶翅蝽为例
..... 朱耿平, 原雪姣, 范靖宇, 王梦琳
2:124 入侵害虫悬铃木方翅网蝽越冬后期在豫北寄主树干上的分布研究 崔建新, 胡晓旺
2:128 5 种生物杀虫剂对 4 种天敌昆虫的安全性评价 尹园园, 吕兵, 林清彩, 陈浩, 翟一凡, 于毅, 郑礼

2:133	台州口岸进境近海小型国际航行船舶携带有害生物疫情调查	张文俊, 张建成, 陈锋, 龚志强
2:139	不同调查方法对转基因棉田节肢动物群落构成及生物多样性的影响	雒珺瑜, 张帅, 张开心, 姬继超, 朱香镇, 王春义, 张利娟, 王丽, 李春花, 崔金杰
2:145	外源基因导入对玉米叶片物理性状的影响	解雅梅, 周福才, 杨益众, 张海波, 苏宏华, 张芳, 邹亚红
2:150	云南 30 个水稻品种对水稻白叶枯病的抗性评价	杨俊, 艾瑛, 王星, 杨超, 孙雁, 姬广海
3:186	橘小实蝇神经肽 sulfakinin 的分子生物学特性及其表达模式	栗洪飞, 郑莉莎, 石岩, 王进军, 蒋红波
3:193	白蛾周氏啮小蜂气味结合蛋白 OBP1 与寄主挥发物的分子对接研究	相伟芳, 李敏, 林艳平, 王静, 张新玥, 郭美琪, 杨艺新, 朱耿平, 潘丽娜
3:200	周氏啮小蜂(海南种群)对椰子织蛾的寄生功能反应	吕宝乾, 苏璐, 彭正强, 金启安, 温海波, 何杏, 刘衍超
3:205	营养对不同地理种群周氏啮小蜂生物学特性的影响	吴琦琦, 吕宝乾, 曹凤勤, 彭正强, 温海波, 金启安, 吴晓霜
3:209	紫茎泽兰入侵前后抗虫物质含量差异及其对泽兰实蝇寄生的响应	高鑫, 宋少杰, 孙圆圆, 古丽加孜·叶尔肯别克, 杨国庆
3:216	小型植保无人机超低量喷雾防治稻水象甲	王小武, 丁新华, 付开赞, 吐尔逊·阿合买提, 黄红梅, 木拉提·塔里木别克, 何江, 郭文超
3:224	黄顶菊与 3 种本地植物竞争对丛枝菌根真菌种类和多样性的影响	孔令杰, 柳旭, 韩月龙, 杨康, 贾月月, 张凤娟
4:249	二化螟钙黏蛋白 CAD1 的原核表达及与 Cry1Ac、Cry2Aa 蛋白的结合	周浩, 李博, 牛林, 邱林, 王永
4:255	二化螟 APN1 的原核表达及其与 Cry2Aa 蛋白的结合特性研究	刘慧, 李博, 牛林, 邱林, 王永
4:260	永州广聚萤叶甲和豚草卷蛾的种群动态及对豚草的控制效果	陈红松, 郭建英, 万方浩, 周忠实
4:266	广聚萤叶甲成虫交配时长对产卵量与孵化率的影响	郑海燕, 田震亚, 陈红松, 郭建英, 周忠实
4:270	广聚萤叶甲成虫产卵行为及其产卵部位的选择性	郭薇, 张燕, 陈红松, 郭建英, 周忠实
4:274	斯氏钝绥螨对西花蓟马的捕食功能反应	罗春萍, 户艳霞, 孙军伟, 樊清艳, 赵永鑫, 张凌英, 杜广祖, 陈斌
4:279	云南省外来有害生物入侵现状及口岸疫情截获分析	蒋小龙, 邵维治, 王锡云
4:284	外来入侵植物刺萼龙葵在我国的分布格局与早期监测预警	王瑞, 唐瑶, 张震, 万方浩
4:290	外来入侵植物腺龙葵在我国的适生区预测	唐瑶, 王瑞, 张震, 李家美, 万方浩
4:295	外来入侵植物黄顶菊在我国的地理分布格局及其时空动态	郑志鑫, 王瑞, 张凤娟, 万方浩
4:300	重要外来入侵植物随南水北调工程传入京津冀受水区的风险评估	郑志鑫, 王瑞, 张凤娟, 冼晓青, 万方浩

◎ 简报

1:69	我国新发现一种外来蚜虫——刺槐附毛斑蚜 <i>Appendiseta robiniae</i>	虞国跃, 周达康, 王合
1:73	欧洲球螋的检疫	刘若思, 徐森锋, 梁新苗, 钟勇
4:309	中国新入侵害虫——桉梳木虱(半翅目:木虱科)	罗心宇, 张润志, 梁红斌
4:313	大湄公河次区域薇甘菊的防控技术	张付斗, 郭晋, 徐高峰, 申时才, 岳英, 木霖, 张玉华
4:317	重大外来入侵杂草在我国的分布危害格局与可持续治理	王瑞, 周忠实, 张国良, 郭建英, 高尚宾, 孙玉芳, 付卫东, 张付斗, 万方浩

◎ 简讯

1:40	List of reviewers, 2017	
1: I – II	国家重点研发计划项目“重大/新发农业入侵生物风险评估及防控关键技术研究”被立项	
2:110	征订启事	
4:265	更正声明	
4:308	《生物安全学报》获中国高校优秀科技期刊奖	

JOURNAL OF BIOSAFETY

General Contents of Vol. 27

(Figures before title are No. and page respectively)

ESSAYS

2:77	Thoughts of a travelling ecologist 13. Numbers, rates, ecology	Gábor L. LÖVEI
4:233	Thoughts of a travelling ecologist 14. Structure-function conflation in environmental risk assessment and monitoring	Gábor L. LÖVEI

REVIEW ARTICLES

1:1	Use of biological control against arthropod pests in Canadian greenhouse crop production	L. VASSEUR, Roselyne LABBE, Mark S. GOETTEL
1:16	Progress in prevention and control of invasive species in China	CHEN Jiejun, WANG Jing
2:80	Progress in the construction of the high-grade pathogenic microbiology laboratory	CHEN Jiejun
2:88	Research progress on effects of plant litter on the decomposition of soil organic matter	YU Hanxia, WANG Jiayi, WAN Fanghao, ZHOU Xiaoyan, CAI Minling, OU Qiaojing, LI Weihua
3:155	Bioecology, damage and management of the tomato leafminer <i>Tuta absoluta</i> (Meyrick) (Lepidoptera: Gelechiidae), a worldwide quarantine pest	ZHANG Guifen, LIU Wanxue, WAN Fanghao, XIAN Xiaoqing, ZHANG Yibo, GUO Jianyang
3:164	Research advance on <i>Euwallacea fornicatus</i> and its fungal symbionts	LI Qiao, HAN Chunxu, SUN Jianghua
3:171	Dispersal of the Jack Beardsley mealybug, <i>Pseudococcus jackbeardsleyi</i> Gimpel & Miller (Hemiptera: Pseudococcidae) in mainland China	WANG Yusheng, ZHOU Pei, TIAN Hu, WAN Fanghao, ZHANG Guifen
3:178	Review of the use of native plants as a control mechanism of invasive weeds	ZHANG Zhen, DAI Yuyu, WANG Yifan, LÜ Delin, WANG Rui
4:236	The occurrence and control of the invasive scale insect, <i>Phenacoccus solenopsis</i> Tinsley in Yunnan Province	MENG Xing, GUI Furong, CHEN Bin
4:240	Searching for highly virulent entomopathogenic fungi of the western flower thrips, <i>Frankliniella occidentalis</i> (Pergande) and their potential applications in biocontrol	GE Wenchao, DU Guangzu, ZHAO Yongxin, ZHANG Lingying, HU Yanxia, SUN Junwei, CHEN Bin

RESEARCH PAPERS

1:20	Comparative analysis of microRNA profile in <i>Monochamus alternatus</i> in the presence or absence of the pinewood nematode, <i>Bursaphelenchus xylophilus</i>	NING Jing, ZHANG Bin, TIAN Haokai, LIU Xiaolong, YANG Bingyan, ZHAO Lilin
------	---	---

1:31	The morphological and biological characteristics of <i>Aleurolobus shantungii</i> in Xinjiang	LUO Wenfu, ZHANG Wei, WANG Wenqing, WU Yuhua, WUERNISHA Kadeer, MA Deying
1:35	Three native parasitoids of the newly invasive pest <i>Opisina arenosella</i>	LÜ Baoqian, CHEN Junlǔ, PENG Zhengqiang, JIN Qi'an, WEN Haibo, CAI Bo, YAN Wei, HE Xing
1:41	First interception of <i>Sitona lineatus</i> (Coleoptera: Curculionidae) from imported poplar in China	CHEN Wei, HU Meng, LUN Caizhi, XU Hao, YANG Juan
1:45	Effects of feeding by <i>Pachypeltis</i> sp. (Hemiptera: Miridae) on the defensive enzymes and nutrients in <i>Mikania micrantha</i> leaves ...	LI Sheng, ZHENG Duanjing, WANG Yin, LIN Ying, LIU Mengran, GUI Furong, WAN Fanghao, XI Chao
1:50	Population dynamics of the main pests and their natural enemies of <i>Bt</i> transgenic cotton field in saline alkali and drought land	LUO Junyu, ZHANG Shuai, LÜ Limin, ZHU Xiangzhen, WANG Chunyi, ZHANG Lijuan, WANG Li, LI Chunhua, CUI Jinjie
1:59	Agronomic characteristics of a Chinese-developed transgenic glyphosate-resistant cotton in cultivated land	JIANG Weili, MA Xiaoyan, REN Xiangliang, HU Hongyan, MA Yajie, WANG Dan, MA Yan
1:63	<i>Bt</i> protein spatial-temporal expression and evaluation for resistance of transgenic <i>cry1Ab/cry2Aj</i> and <i>G10evo-epsps</i> maize	SUN Hongwei, LI Fan, GAO Rui, XU Xiaohui, YANG Shuke, LU Xingbo
2:95	Community structure of benthic macroinvertebrates and water quality assessment in the Songhua River, China	CHEN Yiyong, GAO Yangchun, PENG Heng, XIONG Wei, LI Shiguo, ZHAN Aibin
2:105	Analysis on macrobenthic community structure and environmental determinants of Yunlong Lake in Xuzhou City, China	LI Zhao, CAI Jilin, YANG Jing
2:111	Distribution and effect of the parasite <i>Ichthyophthirius multifiliis</i> on the gill organs of the Murray cod, <i>Maccullochella peelii</i>	REN Lihua, LUO Tuyan, LIU Yang, LUO Qin, RAO Qiuhua, WENG Boqi
2:118	Effects of model parameters in MaxEnt modeling of ecological niche and geographic distribution: case study of the brown marmorated stink bug, <i>Halyomorpha haly</i>	ZHU Gengping, YUAN Xuejiao, FAN Jingyu, WANG Menglin
2:124	The post-overwintering spatial distribution of the invasive sycamore lace bug <i>Corythucha ciliata</i> under the bark of the host tree <i>Platanus acerifolia</i> in north Henan	CUI Jianxin, HU Xiaowang
2:128	Safety evaluation of five biological insecticides to four arthropod natural enemies	YIN Yuanyuan, LÜ Bing, LIN Qingcai, CHEN Hao, ZHAI Yifan, YU Yi, ZHENG Li
2:133	Pests carried by small internationally navigating ships in Taizhou port	ZHANG Wenjun, ZHANG Jiancheng, CHEN Feng, GONG Zhiqiang
2:139	Composition of arthropod community and diversity in transgenic cotton fields surveyed by different methods	LUO Junyu, ZHANG Shuai, ZHANG Kaixin, JI Jichao, ZHU Xiangzheng, WANG Chunyi, ZHANG Lijuan, WANG Li, LI Chunhua, CUI Jinjie

2:145 Effects of exogenous genes on the physical traits in maize (*Zea mays*) leaves
..... XIE Yamei, ZHOU Fucui, YANG Yizhong, ZHANG Haibo, SU Honghua, ZHANG Fang, WU Yahong

2:150 Evaluation of resistance to rice bacterial blight in 30 rice cultivars in Yunnan
..... YANG Jun, AI Ying, WANG Xing, YANG Chao, SUN Yan, JI Guanghai

3:186 Molecular characterization and expression profiling of sulfakinin in *Bactrocera dorsalis*
..... LI Hongfei, ZHENG Lisha, SHI Yan, WANG Jinjun, JIANG Hongbo

3:193 Molecular docking of odorant binding protein1 of *Chouioia cunea* with host volatiles
XIANG Weifang, LI Min, LIN Yanping, WANG Jing, ZHANG Xinyue, GUO Meiqi, YANG Yixin, ZHU Gengping, PAN Lina

3:200 Functional response of *Chouioia cunea* (Hainan population) on *Opisina arenosella*
..... LÜ Baoqian, SU Lu, PENG Zhengqiang, JIN Qi'an, WEN Haibo, HE Xing, LIU Yanchao

3:205 The impact of nutrition on the biological parameters of different *Chouioia cunea* Yang geographic populations
..... WU Qiqi, LÜ Baoqian, CAO Fengqin, PENG Zhengqiang, WEN Haibo, JIN Qi'an, WU Xiaoshuang

3:209 Contents of anti-herbivore substance from the native and invasive populations of *Ageratina adenophora* Sprengel and its response to parasitism by *Procecidochares utilis* Stone
..... GAO Xin, SONG Shaojie, SUN Yuanyuan, GULIJIAZI · Yeerkenbieke, YANG Guoqing

3:216 Prevention and control of the rice water weevil *Lissorhoptrus oryzophilus* (Coleoptera: Curculionidae) by ultra-low volume spray of plant protection UAV
WANG Xiaowu, DING Xinhua, FU Kaiyun, TURSUN · Ahmat, HUANG Hongmei, MULATI · Talimubieke, HE Jiang, GUO Wenchao

3:224 Effects of *Flaveria bidentis* grown with three native plants on species and diversity of arbuscular mycorrhizal fungi
..... KONG Lingjie, LIU Xu, HAN Yuelong, YANG Kang, JIA Yueyue, ZHANG Fengjuan

4:249 Prokaryotic expression of the cadherin gene in *Chilo suppressalis* and binding analysis with Cry1Ac and Cry2Aa proteins ZHOU Hao, LI Bo, NIU Lin, QIU Lin, WANG Yong

4:255 Prokaryotic expression of aminopeptidase N1 from *Chilo suppressalis* and *in vitro* binding analysis with the Cry2Aa toxin LIU Hui, LI Bo, NIU Lin, QIU Lin, WANG Yong

4:260 Population dynamics of *Ophraella communa* and *Epiblema strenuana* and their control efficiency on *Am-brosia artemisiifolia* in Yongzhou City, Hunan Province, China
..... CHEN Hongsong, GUO Jianying, WAN Fanghao, ZHOU Zhongshi

4:266 Effects of mating duration on oviposition and hatchability of adult *Ophraella communa*
..... ZHENG Haiyan, TIAN Zhenya, CHEN Hongsong, GUO Jianying, ZHOU Zhongshi

4:270 Oviposition behavior and site selection of *Ophraella communa* adults
..... GUO Wei, ZHANG Yan, CHEN Hongsong, GUO Jianying, ZHOU Zhongshi

4:274	Study on the functional response of the predatory mite <i>Amblyseius swirskii</i> on Western flower thrips, <i>Frankliniella occidentalis</i> as prey	··· LUO Chunping, HU Yanxia, SUN Junwei, FAN Qingyan, ZHAO Yongxin, ZHANG Lingying, DU Guangzu, CHEN Bin
4:279	The status of invasive alien pests in Yunnan and an analysis of port interceptions	····· JIANG Xiaolong, SHAO Weizhi, WANG Xiyun
4:284	The distribution pattern and early monitoring for preventing further expansion of <i>Solanum rostratum</i> in China	····· WANG Rui, TANG Yao, ZHANG Zhen, WAN Fanghao
4:290	Predicting the potential distribution of the invasive weed, <i>Solanum sarrachoides</i> in China	····· TANG Yao, WANG Rui, ZHANG Zhen, LI Jiamei, WAN Fanghao
4:295	The geographic distribution pattern and spatiotemporal dynamic of the invasive alien plant <i>Flaveria bidentis</i> (Asteraceae) in China	····· ZHENG Zhixin, WANG Rui, ZHANG Fengjuan, WAN Fanghao
4:300	Invasion risk assessment of major invasive alien plant species in the South-to-North Water Division project in Beijing-Tianjin-Hebei region	····· ZHENG Zhixin, WANG Rui, ZHANG Fengjuan, XIAN Xiaoqing, WAN Fanghao

NOTES

1:69	First discovery of an alien aphid, <i>Appendiseta robiniae</i> (Gillette, 1907) (Hemiptera, Aphididae) in China	····· YU Guoyue, ZHOU Dakang, WANG He
1:73	Quarantine of <i>Forficula auricularia</i> Linnaeus, 1758	··· LIU Ruosi, XU Miaofeng, LIANG Xinmiao, ZHONG Yong
4:309	A new invasive pest, <i>Ctenarytaina eucalypti</i> (Maskell) (Hemiptera: Psyllidae) in China	····· LUO Xinyu, ZHANG Runzhi, LIANG Hongbin
4:313	The prevention and control technologies of <i>Mikania micrantha</i> in Greater Mekong subregion	····· ZHANG Fudou, GUO Jin, XU Gaofeng, SHEN Shicai, YUE Ying, MU Lin, ZHANG Yuhua
4:317	The distributional pattern and sustainable control of major invasive alien weed in China	····· WANG Rui, ZHOU Zhongshi, ZHANG Guoliang, GUO Jianying, GAO Shangbin, SUN Yufang, FU Weidong, ZHANG Fudou, WAN Fanghao