

CSCD 核心期刊

中国科技核心期刊

中国精品科技期刊

中国高校百佳科技期刊

RCCSE 中国核心学术期刊

《中文核心期刊要目总览》(中文核心期刊)

ISSN 1008-7303

CN 11-3995/S



农药学学报

CHINESE JOURNAL OF PESTICIDE SCIENCE

第23卷 第6期 (卷终)

Vol. 23 No. 6 **2021**

中国农业大学 主办
《农药学学报》编辑委员会

ISSN 1008-7303



农 药 学 学 报

NONGYAOXUE XUEBAO

第 23 卷 第 6 期 2021 年 12 月

目 次 (卷终)

专论与综述

生物源除草活性物质开发及应用研究进展	张红梅, 陈玉湘, 徐士超, 王 婧, 蒋建新, 赵振东*(1031)
纳米银的绿色合成、杀虫活性和作用机制研究进展	谢晓俊, 羊桂英, 周琪欢, 朱娅宁, 莫建初*(1046)
硝酸银-硅胶分离技术及其在昆虫信息素研究中的应用	张 诺, 陈 立, 谢广林*(1055)
土壤熏蒸对土壤氮循环及其功能微生物的影响研究进展	王 晴, 张大琪, 方文生, 李 园, 王秋霞, 颜冬冬*, 曹焘程*(1063)
麦冬种植中植物生长调节剂使用情况、残留现状及影响综述	许艳秋*, 王广成, 高立明, 吴春先, 陈丙坤, 李 婷, 聂 果 (1073)

研究论文

五种琥珀酸脱氢酶抑制剂类杀菌剂与灰葡萄孢琥珀酸脱氢酶的结合模式及抗性机制分析	陶丽红 [#] , 李佳俊 [#] , 夏美荣, 李 康, 范黎明, 苏发武, 吴文伟, 王凯博*, 叶 敏*(1085)
3-苄基-5-(1-(2-氧代-1-氧杂螺 [4,5] 癸-3-烯-3-基) 亚乙基)-2-氨基咪唑啉-4-酮类化合物的合成及杀菌活性	李益豪, 赵 宇, 许磊川, 苏彦豪, 张 倩, 王明安*(1097)
含吡唑-4-甲酰胺的嗜球果伞素类化合物的设计、合成及杀虫活性	楼佳明, 郝树林, 方佳琪, 杜晓华*(1108)
浙江省西 (甜) 瓜蔓枯病菌对甲基硫菌灵和啶酰菌胺的抗性检测及抗性机制	吴倩倩, 庄超杰, 吴鉴艳, 张传清*(1117)
河北省不同地区棉蚜种群对 6 种杀虫剂的抗性动态	安静杰, 高占林, 党志红, 赵玉敬, 窦亚楠, 闫 秀, 华佳楠, 潘文亮, 郭江龙, 李耀发*(1123)
斜纹夜蛾 SIGSTO2 对拟除虫菊酯类和有机磷类杀虫剂体外代谢及其抗氧化活性	何承帅, 谢兰芬, 徐 莉, 段雪莲, 任青青, 郭佳佳, 吴艳兵*, 李冬植*(1132)
卵磷脂和维生素 E 提高烯禾啉对杂草的有效性及对谷子安全性的研究	万为数据*, 周 浩, 郭永新, 姚 翔, 赵 娟, 杨雪芳, 原向阳, 董淑琦, 温银元, 郭平毅 (1140)

外源单宁酸对茶叶中农药胁迫作用的缓解效应 · 刘尚可, 王 越, 潘灿平, 贾厚振, 刘铭钰, 邹 楠*(1150)	
噻菌酯与三种外源硒对不同生命阶段斑马鱼的联合毒性	
..... 郭志芯, 毛连纲*, 张 兰, 张燕宁, 朱丽珍, 蒋红云*(1159)	
基于功能磁性材料和固相微萃取净化富集一体化的茶饮料中三唑类农药残留分析	
..... 王 娇, 齐沛沛, 虞 森, 黄志明, 王新全*(1168)	
中国水稻上登记吡虫啉单剂的水生生态风险评估 · 陈诗卉, 姜锦林*, 朱星丞, 张焕朝, 王艮梅, 顾 俊 (1177)	
杀虫双在李子中的残留行为及长期膳食摄入风险评估	李春勇, 金 静, 王 霞, 秦 曙*(1187)
三唑类杀菌剂在蔬菜中的残留分布及对不同人群的累积性膳食摄入风险	
..... 刘翠玲, 张 冉, 杨桂玲*, 王 豆, 于重重, 孙晓荣, 吴静珠 (1194)	
桃果套袋对 6 种典型农药沉积分布和残留的影响	陈茜茜, 王晓珊, 赵洋洋, 邢天天, 张智超*(1205)
吡虫啉、苯醚甲环唑和百菌清在甘蓝中的消解及残留分布 · 高庆超, 胡家萌, 李亚辉, 梁 颖*, 张志勇*(1213)	
吡唑醚菌酯在柑橘汁加工过程中的残留动态	董 超, 赵其阳, 李 晶, 左 巍, 李志霞, 焦必宁*(1219)
研究简报	
含苯乙酮结构片段的吩噻-1-羧酸酯类衍生物的合成及生物活性	
..... 高亚强, 马俊豪, 游 江, 周 蒲, 张列雄, 徐志红*(1227)	
螺虫乙酯及其代谢物和氯虫苯甲酰胺在龙眼上的残留动态	
..... 刘艳萍, 王潇楠, 常 虹, 顾燕萍, 孙海滨*, 王思威*(1235)	

相关信息及其他

欢迎订阅 2022 年《农药学学报》(1054); 《农药学学报》2021 年影响因子年报 (1072); 《农药学学报》2021 年部分审稿专家名单 (1116); 欢迎订阅 2022 年《农药市场信息》(1131); 书讯《手性农药手册》(1186); 《农药学学报》2021 年总目次 (后插页); 《农药学学报》编委会名单 (后插页); 浙江农林大学绿色农药协同创新中心 (封二); 新朝阳·绿色农业核心技术 (封三); 新书推荐《农药残留分析原理与方法》(封底)

注: *为并列第一作者; *为通信作者。

期刊基本参数:

CHINESE JOURNAL OF PESTICIDE SCIENCE

(*Chin. J. Pestic. Sci.*)

Vol. 23 No. 6 December 2021

CONTENTS

MONOGRAPHS AND REVIEWS

- Research progress on development and application of bio-sourced herbicidal active substances
..... ZHANG Hongmei, CHEN Yuxiang, XU Shichao, WANG Jing, JIANG Jianxin, ZHAO Zhendong* (1031)
- Advances on green synthesis, the insecticidal activity and mechanism of silver nanoparticles
..... XIE Xiaojun, YANG Guiying, ZHOU Qihuan, ZHU Yaning, MO Jianchu* (1046)
- Silver nitrate-silica gel separation technique and its application in insect pheromones
..... ZHANG Nuo, CHEN Li, XIE Guanglin* (1055)
- Research progress on the effect of soil fumigation on soil nitrogen cycles and functional microorganisms
..... WANG Qing, ZHANG Daqi, FANG Wensheng, LI Yuan, WANG Qiuxia, YAN Dongdong*, CAO Aocheng* (1063)
- Review on uses, residues and effects of plant growth regulators in the cultivation of *Ophiopogon japonicus*
..... XU Yanqiu*, WANG Guangcheng, GAO Liming, WU Chunxian, CHEN Bingkun, LI Ting, NIE Guo (1073)

RESEARCH REPORTS

- Analysis of the binding modes and resistance mechanism of five succinate dehydrogenase inhibitor fungicides with *Botrytis cinerea* succinate dehydrogenase
..... TAO Lihong[#], LI Jiajun[#], XIA Meirong, LI Kang, FAN Liming, SU Fawu, WU Wenwei, WANG Kaibo*, YE Min* (1085)
- Synthesis and fungicidal activity of 3-benzyl-5-(1-(2-oxo-1-oxaspiro[4,5]dec-3-en-3-yl)ethylidene)-2-aminoimidazolin-4-one derivatives
..... LI Yihao, ZHAO Yu, XU Leichuan, SU Yanhao, ZHANG Qian, WANG Ming'an* (1097)
- Design, synthesis and insecticidal activity of strobilurin compounds containing pyrazole-4-carboxamide
..... LOU Jiaming, HAO Shulin, FANG Jiaqi, DU Xiaohua* (1108)
- Resistance monitoring and mechanism of *Stagonosporopsis citrulli* to thiophanate methyl and boscalid in Zhejiang Province
..... WU Qianqian, ZHUANG Chaojie, WU Jianyan, ZHANG Chuanqing* (1117)
- Resistance dynamic of different *Aphis gossypii* populations in Hebei Province to six insecticides
..... AN Jingjie, GAO Zhanlin, DANG Zhihong, ZHAO Yujing, DOU Ya'nan, YAN Xiu, HUA Jia'nan, PAN Wenliang, GUO Jianglong, LI Yaofa* (1123)
- Metabolic activity of SIGSTO2 in *Spodoptera litura* to pyrethroids and organophosphates and its antioxidant activity
..... HE Chengshuai, XIE Lanfen, XU Li, DUAN Xuelian, REN Qingqing, GUO Jiajia, WU Yanbing*, LI Dongzhi* (1132)

Study on the improving efficacy of sethoxydim on weeds of lecithin and vitamin E and the safety to foxtail millet
..... SONG Xi'e*, ZHOU Hao, GUO Yongxin, YAO Xiang, ZHAO Juan, YANG Xuefang,
YUAN Xiangyang, DONG Shuqi, WEN Yinyuan, GUO Pingyi (1140)

Mitigating effect of exogenous tannic acid on the stress of pesticides in tea
..... LIU Shangke, WANG Yue, PAN Canping, JIA Houzhen, LIU Mingyu, ZOU Nan* (1150)

Joint toxicity effects of azoxystrobin and three kinds of exogenous selenium on zebrafish during different life stages
..... GUO Zhixin, MAO Liangang*, ZHANG Lan, ZHANG Yanning, ZHU Lizhen, JIANG Hongyun* (1159)

Triazole pesticide residues analysis based on functionalized magnetic materials and solid phase microextraction collaborative
technology in tea drinks WANG Jiao, QI Peipei, YU Miao, HUANG Zhiming, WANG Xinqun* (1168)

Aquatic ecological risk assessment of single-dose imidacloprid registered on rice of China
..... CHEN Shihui, JIANG Jinlin*, ZHU Xingcheng, ZHANG Huanchao, WANG Genmei, GU Jun (1177)

Residual behavior and risk assessment of thiosultap-disodium to long-term dietary intake in plums
..... LI Chunyong, JIN Jing, WANG Xia, QIN Shu* (1187)

Residues distribution of triazole fungicides in vegetables and cumulative dietary intake risk to different populations
..... LIU Cuiling, ZHANG Ran, YANG Guiling*, WANG Dou, YU Chongchong, SUN Xiaorong, WU Jingzhu (1194)

Effect of peach bagging on deposition, distribution and residues of six typical pesticides
..... CHEN Xixi, WANG Xiaoshan, ZHAO Yangyang, XING Tiantian, ZHANG Zhichao* (1205)

Dissipation and residues distribution of imidacloprid, difenoconazole and chlorothalonil in cabbage
..... GAO Qingchao, HU Jiameng, LI Yahui, LIANG Ying*, ZHANG Zhiyong* (1213)

Residual dynamics of pyraclostrobin in citrus juice processing
..... DONG Chao, ZHAO Qiyang, LI Jing, ZUO Wei, LI Zhixia, JIAO Bining* (1219)

RESEARCH NOTES

Synthesis and bioactivities of phenazine-1-carboxylate derivatives containing acetophenone structural fragments
..... GAO Yaqiang, MA Junhao, YOU Jiang, ZHOU Pu, ZHANG Liexiong, XU Zhihong* (1227)

Residue dynamics of spirotetramat and its metabolites & chlorantraniliprole in longan (*Dimocarpus longan* Lour.)
..... LIU Yanping, WANG Xiaonan, CHANG Hong, GU Yanping, SUN Haibin*, WANG Siwei* (1235)

Note: #Equal contribution. * Author for correspondence.