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State Key Laboratory for Biology of Plant Diseases and Insect Pests

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4-(4-Chloro-5-methyl-3-trifluoromethyl-1H-pyrazol-1-yl)-6-(prop-2-ynyloxy)pyrimidine	Ruliang Xie, Taozhang, Aocheng Cao, Xiandong Mei	Acta Crystallographica Section E-Structure Reports Online	2010, 66: O2307-U313, Part 9
Bruceine A.	Xuehuan Feng, Yanning Zhang, Weizhi He, Lan Zhang, Hongyun Jiang	Acta Crystallographica Section E-Structure Reports Online	2010, 66: O854-U2507, Part 4
Quantitative trait loci for Asian corn borer resistance in maize population Mc37	Li Xie, Kanglai He, Zhengying Wang, Shuxiong Bai	Agricultural Sciences in China	2010, 9: 77-84
Gene cloning and tissue-specific expression of G protein β subunit in <i>Microplitis mediator</i> (Hymenoptera: Braconidae)	Shuai Zhang, Yongjun Zhang, Cui Jinjie, Xiwu Gao, Yuyuan Guo	Agricultural Sciences in China	2010, 9: 568-576
Effect of bacteriophage and exopolysaccharide on root colonization and rhizosphere competence by <i>Pseudomonas fluorescens</i>	Hongjuan Nian, Jie Zhang, Shuo Liu, Fuping Song, Dafang Huang	Annals Microbiology	2010, 60: 369-372
Construction of a <i>Bacillus thuringiensis</i> engineered strain with high toxicity and broad pesticidal spectrum against coleopteran insects	Jingjing Liu, Guixin Yan, Changlong Shu, Can Zhao, Fuping Song, Junlan Ma, Jie Zhang, Dafang Huang	Applied Microbiology Biotechnology	2010, 87: 243-249
Temperature-dependent life history of the green planthopper, <i>Apolygus lucorum</i> (Meyer-Dür) (Hemiptera: Miridae)	Yanhui Lu, Kongming Wu, Kris AG. Wyckhuys, Yuyuan Guo	Applied Entomology and Zoology	2010, 45: 387-393
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Proteomic analysis of novel Cry1Ac binding proteins in <i>Helicoverpa armigera</i> (Hübner)	Lizhen Chen, Gemei Liang, Jie Zhang, Kongming Wu, Yuyuan Guo	Insect Biochemistry and Physiology	2010, 73: 61-73
Expression of pheromone biosynthesis activating neuropeptide and its receptor (PBANR) mRNA in adult female <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae)	Yunxia Cheng, Lizhi Luo, Xingfu Jiang, Lei Zhang, Changying Niu	Archives of Insect Biochemistry and Physiology	2010, 75: 13-27
Effect of humidity on the development and fecundity of <i>Ophraella communa</i> (Coleoptera: Chrysomelidae)	Zhongshi Zhou, Jianyin Guo, Hongsong Chen, Fanghao Wan	BioControl	2010, 55: 313-319
Application of oligonucleotide microarray for the detection and genotyping of cry genes in <i>Bacillus thuringiensis</i>	Xuguang Liu, Fuping Song, Shengqi Wang, Dafang Huang, Jie Zhang	Chilean Journal of Agricultural Research	2010, 70: 213-220
Overwintering hosts of <i>Apolygus lucorum</i> (Hemiptera: Miridae) in northern China	Yanhui Lu, Kongming Wu, Kris A.G. Wyckhuys, Yuyuan Guo	Crop Protection	2010, 29: 1026-1033
Modeling the population dynamics of cotton bollworm <i>Helicoverpa armigera</i> (Hübner)(Lepidoptera: Noctuidae) over a wide area in northern China	Hongqiang Feng, Fred Gould, Yunxin Huang, Yuying Jiang, Kongming Wu	Ecological Modelling	2010, 221: 1819-1830
Beet Webworm (Lepidoptera: Pyralidae) Migration in China: Evidence From Genetic Markers	Xingfu Jiang, Weiju Cao, Lei Zhang, Lizhi Luo	Environmental Entomology	2010, 39: 232-242
Electrophysiological and behavioral responses of <i>Microplitis mediator</i> (Hymenoptera: Braconidae) to caterpillar-induced volatiles from cotton	Huilin Yu, Yongjun Zhang, Kris A.G. Wyckhuys, Kongming Wu, Xiwu Gao, Yuyuan Guo	Environmental Entomology	2010, 39: 600-609
Genetic variation of mitochondrial DNA in Chinese populations of <i>Pectinophora gossypiella</i> (Lepidoptera: Gelechiidae)	Yudi Liu, Maolin Hou, Kongming Wu	Environmental Entomology	2010, 39: 1344-1351
Effects of larval density on flight performance of the beetle webworm <i>Loxostege sticticalis</i>	Hailong Kong, Lizhi Luo, Xingfu Jiang, Lei Zhang	Environmental Entomology	2010, 39: 1579-1585
Effects of temperature on survival, development, longevity and fecundity of <i>Ophraella communa</i> (Coleoptera: Chrysomelidae), a biological control agent against invasive ragweed, <i>Ambrosia artemisiifolia</i> L.(Asterales: Asteraceae)	Zhongshi Zhou, Jianying Guo, Hongsong Chen, Fanghao Wan	Environmental Entomology	2010, 39: 1021-1027
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Bemisia tabaci Biotype Q dominates other biotype across China	Xi Teng, Fanghao Wan, Dong Chu	Florida Entomologist	2010, 93: 363-368
Development of a SCAR marker by inter-simple sequence repeat for diagnosis of dwarf bunt of wheat and detection of Tilletia controversa Kuhn	Li Gao, Wanquan Chen, Taiguo Liu	Folia Microbiologica	2010, 55: 258-264
Ecological, morphological and genetic diversity in Oryza rufipogon Griff. (Poaceae) from Hainan Island, China	Yibo Dong, Xinwu Pei, Qianhua Yuan, Hongjin Wu, Xujing Wang, Shirong Jia, Yufa Peng	Genetic Resources and Crop Evolution	2010, 57: 915-926
Gene cloning and expression of aminopeptidase N and cadherin from midgut of the rice stem borer, Chilo suppressalis	Hongkun Yu, Hao Chen, Yongjun Zhang, Kongming Wu, Gemei Liang, Zewen Liu, Yuyuan Guo	Insect Science	2010, 17: 393-399
Laboratory evaluation of flight activity of the common cutworm, Spodoptera litura (Lepidoptera: Noctuidae)	Yegou Tu, Kongming Wu, Fangsen Xue, Yanhui Lu	Insect Science	2010, 17: 53-59
The diurnal flight activity and its influential factors of Frankliniella occidentalis (Pergande) in greenhouse	Xinghui Liang, Zhongren Lei, Jinzeng Wen, Mingliang Zhu	Insect Science	2010, 17: 535-541
Identification and molecular characterization of a new member of the peritrophic membrane proteins from the meadow moth, <i>Loxostege Sticticalis</i>	Jiao Yin, Zhaojun Wei, Kebin Li, Yazhong Cao, Wei Guo	International Journal of Biological Sciences	2010, 6: 504-511
Activation of defense mechanism in wheat by polyphenol oxidase from aphid saliva	Rui Ma, Julian Chen, Dengfa Cheng, Jingru Li Sun	Journal of Agricultural Food Chemistry	2010, 58: 2410-2418
Synthesis and herbicidal activity of novel N-(2, 2, 2-trifluoroethyl)pyrazole derivatives	Hongju Ma, Yonghong Li, Qianfei Zhao, Tao Zhang, Ruliang Xie, Xiangdong Mei, Jun Ning	Journal of Agricultural Food Chemistry	2010, 58: 4356-4360
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Relationship of flight and reproduction in beet armyworm, <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae), a migrant lacking the oogenesis-flight syndrome	Xingfu Jiang, Lizhi Luo, Sappington T.W.	Journal of Insect Physiology	2010, 56: 1631-1637
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Structure and regulation of the gab gene cluster, involved in the -aminobutyric acid shunt, are controlled by a 54 factor in <i>Bacillus thuringiensis</i>	Li Zhu, Qi Peng, Fuping Song, Yanan Jiang, Jie Zhang, Dafang Huang	Journal of Bacteriology	2010, 192: 346-355
Si-mediated rice plant resistance to the Asiatic rice borer: effects of silicon amendment and rice varietal resistance	Maolin Hou, Yongqiang Han	Journal of Economic Entomology	2010, 103: 1412-1419
	Jingjie An, Yulin Gao, Kongming Wu, Fred	Journal of Ec	2010, 10

Vip3Aa tolerance response of <i>Helicoverpa armigera</i> populations from a Cry1Ac cotton planting region	Gould, Jianhua Gao, Zhicheng Shen, Chaoliang Lei	onomic Entomology	3: 2167-2173
Antisera-mediated in vivo reduction of Cry1Ac toxicity in <i>Helicoverpa armigera</i>	Chenxi Liu, Yulin Gao, Changming Ning, Kongming Wu, Brenda Oppert, Yuyuan Guo	Journal of Insect Physiology	2010, 56: 718-724
Characterization of a Cry1Ac toxin-binding alkaline phosphatase in the midgut from <i>Helicoverpa armigera</i> (Hübner)larvae	Changming Ning, Kongming Wu, Chenxi Liu, Yulin Gao, Juan Luis Jurat-Fuentes, Xiwu Gao	Journal of Insect Physiology	2010, 56: 666-672
Activities of digestive and detoxification enzymes in multiple generations of beet armyworm, <i>Spodoptera exigua</i> (Hübner), in response to transgenic Bt cotton	Jiaying Guo, Gang Wu, Fanghao Wan	Journal of Pest Science	2010, 83: 453-460
Detection of latent infection of wheat leaves caused by <i>Blumeria graminis</i> f. <i>sptritici</i> using nested PCR	Xiaowei Zeng, Yong Luo, Yaming Zheng, Xiayu Duan, Yilin Zhou	Journal of Phytopathology	2010, 158: 227-235
Reverse transcription loop-mediated Isothermal amplification of DNA for detection of Barley yellow dwarf viruses in China	Kun Zhao, Yan Liu, Xifeng Wang	Journal of Virological Methods	2010, 169: 211-214
Detection of Wheat dwarf virus(WDV)in wheat and vector leafhopper(<i>Psammotettix alienus</i> Dahlb)by real-time PCR	Xun Zhang, Guanghe Zhou, Xifeng Wang	Journal of Virological Methods	2010, 169: 416-419
Mitochondrial genome of the cotton bollworm <i>Helicoverpa armigera</i> (Lepidoptera:Noctuidae)and comparison with other Lepidopterans	Jiao Yin, Guiyun Hong, Aimin Wang, Yazhong Cao, Zhaojun Wei	Mitochondrial DNA	2010, 21: 160-169
The Type 2C protein phosphatase FgPtc1p of the plant fungal pathogen <i>Fusarium graminearum</i> is involved in lithium toxicity and virulence	Linghuo Jiang, Jingran Yang, Feiyu Fan, Dajun Zhang, Xuli Wang	Molecular Plant Pathology	2010, 11: 277-282
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Regulation of the seasonal population patterns of <i>Helicoverpa armigera</i> moths by Bt cotton planting	Yulin Gao, Hongqiang Feng, Kongming Wu	Transgenic Research	2010, 19: 557-562
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First report of the Cyst nematode (<i>Heterodera filipjevi</i>) on wheat in Henan Province, China	Deliang Peng, Wenxing Ye, Huan Peng and Xiaochuang Gu	Plant Disease	2010, 94: 1262
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Ferric iron absorption in delta rpfXoo,a gene deletion mutant of <i>Xanthomonas oryzae</i> pv. <i>Oryzae</i> ,assayed using atomic absorption spectrophotometry	Lei Sun, Maosen Wu, Chenyang He	Spectroscopy and Spectral Analysis	2010, 30: 1117-1119

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