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State Key Laboratory for Biology of Plant Diseases and Insect Pests

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2012年

论文题目	作者姓名	刊物名称	年、卷、页
Nematode communities in continuous tomato-cropping field soil infested by root-knot nematodes	Zheng GD, Shi LB, Wu HY*, Peng DL	Acta Agriculturae Scandinavica Section B - Soil and Plant Science	2012, 62: 216-223
Characterization and complete nucleotide sequence of potato virus M isolated from tomato in China	Ge BB, He Z, Jiang DM, Zhang ZX, Liu GJ, Wang HQ*	Acta Virologica	2012, 56: 261-263
A novel differential evolution algorithm with multi-Strategy differential mutation mechanism	Wang CX*, Zhang X, Li Ch, Ma CS, Pan ZM	Advanced Science Letters	2012, 7: 509-512
New artificial diet for continuous rearing of <i>Chilo suppressalis</i>	Han LZ, Li SB, Peng YF, Hou ML*	Annals of the Entomological Society of America	2012, 105: 253-258.
The effects of Bt Cry1Ah toxin on worker honeybees (<i>Apis mellifera ligustica</i> and <i>Apis cerana cerana</i>).	Dai PL, Zhou W, Zhang J, Jiang WY, Wang Q, Cui HJ, Sun JH, Wu YY, Zhou T*	Apidologie	2012, 43: 384-391
Identification of the promoter in the intergenic region between <i>orf1</i> and <i>cry8</i> <i>Ea1</i> controlled by Sigma H factor	Du LX, Qiu LL, Peng Q, Lereclus D, Zhang J, Song FP*, Huang DF*	Applied and Environmental Microbiology	2012, 78: 4164-4168
Weak transcription of the <i>cry1Ac</i> gene in nonsporulating <i>Bacillus thuringiensis</i> cells	Yang H, Wang PS, Peng Q, R R, Liu CXa, Lereclus D, Zhang J, Song FP*, Huang DF*	Applied and Environmental Microbiology	2012, 78: 6466-6474
Nymphal and adult performance of <i>Apolygus lucorum</i> (Hemiptera: Miridae) on a preferred host plant, mungbean <i>Vigna radiata</i>	Geng HH, Pan HS, Lu YH*, Yang YZ	Applied Entomology and Zoology	2012, 47: 191-197
Complete nucleotide sequences of the genomes of two isolates of Apple chlorotic leaf spot virus from peach (<i>Prunus</i>)	Niu FQ, Pan S, Wu ZJ, Jiang DM, Li SF*	Archives of Virology	2012, 157: 783-786

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Genetic variation analysis of <i>Heterodera avenae</i> Wollenweber (Nematoda: Heteroderidae) using ISSR marker and ITS-rDNA sequence	Huang WK, Ye WX, Jiang HY, Long HB, Peng H, Wang GF, Peng DL*	Asian Journal of Nematology	2012, 1: 1-12
Genetic differentiation of <i>Oryza ruffipogon</i> Griff. from Hainan Island and Guangdong, China Based on <i>Hd1</i> and <i>Ehd1</i> genes	Dong YB, Pei XW*, Yuan QH, Wang F, Wu HJ, Jia SR, Peng YF*	Biochemical Systematics and Ecology	2012, 45: 224-236
Effects of morphological traits, age and copulation experience on sexual selection in <i>Ophraella communa</i>	Zhou ZS, Guo JY, Guo W, Zheng HY, Wan FH*	Biocontrol Science and Technology	2012, 22: 81-91
Potential of a strain of the entomopathogenic fungus <i>Beauveria bassiana</i> (Hypocreales: Cordycipitaceae) as a biological control agent against the western flower thrips, <i>Frankliniella occidentalis</i> (Thysanoptera: Thripidae)	Gao YL, Reitz SR, Wang J, Xu XN, Lei ZR*	Biocontrol Science and Technology	2012, 22: 491-495
Potential use of the fungus <i>Beauveria bassiana</i> against the western flower thrips <i>Frankliniella occidentalis</i> without reducing the effectiveness of its natural predator <i>Orius sauteri</i> (Hemiptera: Anthoridae)	Gao YL, Reitz SR, Wang J, Taméz-Guerra P, Wang ED, Xu XN, Lei ZR*	Biocontrol Science and Technology	2012, 22: 803-812
CBrowse: a SAM/BAM-based contig browser for transcriptome assembly visualization and analysis	Li P, Ji GL*, Dong M, Schmidt E, Lenox D, Chen LL, Liu Q, Liu L, Zhang J, Liang C*	Bioinformatics	2012, 28: 2382-2384
Effect of <i>Binodoxys communis</i> parasitism on flight behavior of the soybean aphid, <i>Aphis glycines</i>	Zhang Y, Wyckhuys K, Asplen M, Heimpel G, Wu KM	Biological Control	2012, 62: 10-15
The functional significance of E-β-Farnesene: does it influence the populations of aphid natural enemies in the fields	Cui LL, Francis F, Heuskin S, Lognay G, Liu YJ, Dong J, Chen JL, Song XM, Liu Y	Biological Control	2012, 60: 108-112
Consumption of <i>B. trice</i> pollen expressing Cry2Aa does not cause adverse effects on adult <i>Chrysoperla sinica</i> Tjeder (Neuroptera: Chrysopidae)	Wang YY, Li YH*, Romeis J, Chen XP, Zhang J, Chen HY, Peng YF*	Biological Control.	2012, 61: 246-251
Different thermal tolerance and <i>hsp</i> gene expression in invasive and indigenous sibling species of <i>Bemisia tabaci</i>	Yu H, Wan FH*, Guo JY	Biological Invasions	2012, 14: 1587-1595
Performance of <i>Agasicles hygrophila</i> (Coleoptera: Chrysomelidae), a biological control agent of invasive alligator weed, at low non-freezing temperature	Guo JY, Fu JW, Xian XQ, Ma MY, Wan FH*	Biological Invasions	2012, 14: 1597-1608

PeanutDB: an integrated bioinformatics web portal for <i>Arachis hypogaea</i> transcriptomics	Duan XH, Schmidt E, Li P, Leno x D, Lin Liu, Shu CL, Zhang J*, Liang C*	BioMed Central Plant Biology	2012, 12: 94-100
Including climate change in pest risk assessment: the peach fruit fly, <i>Bactrocera zonata</i> (Diptera: Tephritidae)	Ni WL, Li ZH, Chen HJ, Wan FH*, Qu WW, Zhang Z, Kriticos DJ	Bulletin of Entomological Research	2012, 102: 173-183
Function and Immunocytochemical localization of two novel odorant-binding proteins in olfactory sensilla of the scarab beetle <i>Holotrichia oblita</i> Faldermann (Coleoptera: Scarabaeidae)	Deng SS, Yin J, Zhong T, Cao YZ, Li KB*	Chemical Senses	2012, 37: 141-150
E- β -farnesene synergizes the influence of an insecticide to improve control of cabbage aphids in China	Cui LL, Dong J, Francis F, Heuskin S, Lognay G, Chen JL, Bragard C, Liu Y*	Crop Protection	2012, 35: 91-96
Lethal effect of imidacloprid on the coccinellid predator <i>Serangium japonicum</i> and sublethal effects on predator voracity and on functional response to the whitefly <i>Bemisia tabaci</i>	He YX, Zhao JW, Zheng Y, Nicolas D, Wu KM*	Ecotoxicology	2012, 21: 1291-1300
Field assessment of Bt <i>cryIA</i> pollen on the survival, development and behavior of <i>Apis mellifera ligustica</i>	Dai PL, Wei Z, Zhang J, Cui HJ, Wang Q, Jiang WY, Sun JH, Wu YY, Zhou T*	Ecotoxicology and Environmental Safety	2012, 79: 232-237
Comparison of reproductive and flight capacity of <i>Loxostege sticticalis</i> (Lepidoptera: Pyralidae), developing from diapause and non-diapause larvae	Xie DS, Luo Lizhi*, Sappington T, Jiang XF*, Zhang L	Environmental Entomology	2012, 41: 1199-1207
Effect of temperature on development, survival, and fecundity of <i>Microplitis manilae</i> (Hymenoptera: Braconidae)	Qiu B, Zhou ZS, Luo SP, Xu ZF	Environmental Entomology	2012, 41: 433-730
Effects of temperature on mate location in the planthopper, <i>Nilaparvata lugens</i> (Homoptera: Delphacidae)	Long Y, Hu CX, Shi BK, Yang X, Hou ML*	Environmental Entomology	2012, 41: 1231-1238
Suitability changes with host leaf age for <i>Bemisia tabaci</i> B biotype and <i>Trialleurodes vaporariorum</i>	Zhang GF, Wan FH*	Environmental Entomology	2012, 41: 1125-1130
Identification and molecular characterization of a new β -1,4-endoglucanase gene (Ha-eng-1a) in the cereal cyst nematode <i>Heterodera avenae</i>	Long HB, Peng H, Huang WK, Wang GF, Gao BL, Moens M, Peng DL	European Journal of Plant Pathology	2012, 134: 391-400
Differences in the nocturnal flight activity of insect pests and beneficial predatory insects recorded by light traps: possible use of a beneficial-friendly trapping strategy for controlling insect	Ma G, Ma CS*	European Journal of Entomology	2012, 109: 395-401

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Development of a polyprobe for the simultaneous detection of four grapevine viroids in grapevine plants	Zhang ZX, Peng S, Jiang DM, Pan S, Wang HQ, Li SF*	European Journal of Plant Pathology	2012, 132: 9-16
Dynamics in concentrations of <i>Blumeria graminis</i> f. sp. <i>tritriciconidia</i> and its relationship to local weather conditions. and disease index in wheat	Cao XR, Duan XY, Zhou YL*, Luo Y	European Journal of Plant Pathology	2012, 132: 525-535
Molecular characterization of Chinese Hop stunt viroid isolates reveals a new phylogenetic group and possible cross transmission between grapevine and stone fruits	Zhang ZX, Zhou Y, Guo R, Mu LX, Yang YA, Li SF*, Wang HQ	European Journal of Plant Pathology	2012, 134: 217-225
The dissection and SSR mapping of a high-temperature adult-plant stripe rust resistance gene in American spring wheat cultivar Alturas	Zhao L, Feng J, Zhang CY, Xu XD, Chen XM, Sun Q, Miao Q, Xu SC*, Lin F*	European Journal of Plant Pathology	2012, 134: 281-288
Effects of host, temperature and relative humidity on competitive displacement of two invasive <i>Bemisia tabaci</i> biotypes [Q and B]	Chu D, Tao YL, Zhang YJ, Wan FH*, Brown JK	Insect Science	2012, 19: 595-603
Differentially expressed genes distributed over chromosomes and implicated in certain biological processes for site insertion genetically modified rice Kemin dao	Liu Z, Li YH, Zhao J, Chen XP, Jian GL, Peng YF*, Qi FJ*	International Journal of Biological Sciences	2012, 8: 953-963
Dominant gene <i>cplsr1</i> corresponding to premature leaf senescence resistance in cotton (<i>Gossypium hirsutum</i> L.)	Zhao JQ, Jiang TF, Liu Z, Zhang WW, Jian GL*, Qi FJ*	Journal of Integrative Plant Biology	2012, 54: 577 – 583
Knockdown of <i>Microplitis mediator</i> odorant receptor involved in the sensitive detection of two chemicals	Li KM, Ren LY, Zhang YJ*, Wu KM, Guo YY	Journal of Chemical Ecology	2012, 38: 287-294
Early season host plants of <i>Apolygus lucorum</i> (Heteroptera: Miridae) in northern China	Lu YH, Jiao ZB, Wu KM*	Journal of Economic Entomology	2012, 105: 1603-1611
Two suppressors of RNA silencing encoded by cereal-infecting members of the family Luteoviridae	Liu Y, Zhai H, Zhao K, Wu BL, Wang XF*	Journal of General Virology	2012, 93: 1825-1830
Characterization of three pheromone-binding proteins (PBPs) of <i>Helicoverpa armigera</i> (Hübner) and their binding properties	Zhang TT, Mei XD, Feng JN, Ben G, Zhang YJ*, Guo YY*	Journal of Insect Physiology	2012, 58: 941-948
Climate warming may increase aphids' dropping probabilities in response to high temperatures	Ma G, Ma CS*	Journal of Insect Physiology	2012, 58: 1456-1462

Effect of acclimation on heat-escape temperatures of two aphid species: implications for estimating behavioral response of insect to climate warming	Ma G, Ma CS*	Journal of Insect Physiology	2012, 58: 303-309
Fluorescence competition assay for the assessment of green leaf volatiles and trans- β -farnesene bound to three odorant-binding proteins in the wheat aphid <i>Sitobion avenae</i> (Fabricius)	Zhong T, Yin J, Deng SS, Li KB, Cao YZ*	Journal of Insect Physiology	2012, 58: 771-781
A fragment of cadherin-like protein enhances <i>Bacillus thuringiensis</i> Cry1B and Cry1C toxicity to <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae)	Lu Q, Zhang YJ, Cao GC, Zhang LL, Liang GM, Lu YH, Wu KM, Gao XW, Guo YY*	Journal of Integrative Agriculture	2012, 11: 628-638
cDNA cloning of heat shock protein genes and their expression in an indigenous cryptic species of the whitefly <i>Bemisia tabaci</i> complex from China	Yu H, Wan FH*, Guo JY	Journal of Integrative Agriculture	2012, 11: 293-302
Characterization and molecular mapping of a stripe rust resistance gene in synthetic wheat CI110	Ren Q, Liu HJ, Zhang ZY*, Feng J, Xu SC, Pu ZJ, Xin ZY	Journal of Integrative Agriculture	2012, 11: 521-527
Comparative analysis of Cry1Ac toxin oligomerization and pore formation between <i>Bt</i> -susceptible and <i>Bt</i> -resistant <i>Helicoverpa armigera</i> larvae	Li YP, Wu JX, Liu CX, Yuan XQ, Wu KM, Liang GM*, Guo YY*	Journal of Integrative Agriculture	2012, 11: 1845-1851
Effects of transgenic <i>Bt</i> + <i>CpTI</i> cotton on field abundance of non-target pests and predators in Xinjiang, China	Xu Y, Wu KM, Li HB, Liu J, Ding RF, Wang F, Ahtam U, Li HQ, WANG DM, Chen XX*	Journal of Integrative Agriculture	2012, 11: 1493-1499
Genomic analysis of the natural population of wheat dwarf virus in wheat from China and Hungary	Liu Y, Wang B, Gyula V, Monika C, Wu BL, Wu YH, Wang XF*	Journal of Integrative Agriculture	2012, 11: 101-108
Structure, binding characteristics, and 3D model prediction of a newly identified odorant-binding protein from the cotton bollworm, <i>Helicoverpa armigera</i> (Hübner)	Zhang TT, Wang WX, Gu SH, Zhang ZD, Wu KM, Zhang YJ*, Guo YY*	Journal of Integrative Agriculture	2012, 11: 430-438
The effect of wheat mixtures on the powdery mildew disease and some yield components	Li N, Jia SF, Wang XN, Duan XY*, Zhou YL, Wang ZH, Lu GD	Journal of Integrative Agriculture	2012, 11: 611-620
<i>Bacillus thuringiensis</i> Cry3Aa toxin increases the susceptibility of <i>Crioceris quatuordecimpunctata</i> to <i>Beauveria bassiana</i> infection	Gao YL, Oppert B, Lord JC, Liu CX, Lei ZR*	Journal of Invertebrate Pathology	2012, 109: 260-263
Early detection of field-evolved resistance to Bt cotton in China: cotton bollworm and pink bollworm	Bruce E*, Wu KM, Wu YD	Journal of Invertebrate Pathology	2012, 110: 301-306

Generation of high titer antibodies to pokeweed antiviral protein (PAP) in rabbits using synthetic peptides and their use in detecting PAP in transgenic petunia and yeast	Li L, Li Y, Wang XF*	Journal of Phytopathology	2012, 160: 599-602
Simultaneous detection of three viroid species infecting hops in China by multiplex RT-PCR	Lu WX, Zhang ZX, Xu PS, Liu SX, Wang HQ, Jiang DM, Li SF*	Journal of Phytopathology	2012, 160: 308-310
TssM is essential for virulence and required for type VI secretion in <i>Ralstonia solanacearum</i>	Zhang LQ, Xu J S, Xu J, Chen K Y, He L Y, Feng J	Journal of Plant Diseases and Protection	2012, 119: 125 – 134
First report of <i>Apricot pseudo-chlorotic</i> leaf spot virus infection of peach in China	Niu FQ, Pan S, Wu ZJ, Jiang DM, Li SF*	Journal of Plant Pathology	2012, 1: 1
Population differentiation and phylogeographic pattern of a relict species, <i>Conandron ramondioides</i> (Gesneriaceae), revealed from sequence polymorphism and haplotypes of the <i>CYCLOIDEA</i> gene	Xiao LH, Li Z, Wang R, Wang YZ*	Journal of Systematics and Evolution	2012, 50: 45-57
Complete genome sequence of a monosense densovirus infecting the cotton bollworm, <i>Helicoverpa armigera</i>	Xu PJ, Cheng P, Liu ZF, Li Y, Robert W, Wu KM*	Journal of Virology	2012, 86 :10909-10909
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A novel two-component system PdeK/PdeR regulates c-di-GMP turnover and virulence of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i>	YangFH, Tian F, Sun L, Chen HM, Wu MS, Yang CH, He CY *	Molecular Plant-Microbe Interactions	2012, 25: 1361-1369
Widespread adoption of <i>Bt</i> cotton and insecticide decrease promotes biocontrol services	Lu YH, Wu KM*, Jiang YY, Guo YY, Nicolas D	Nature	2012, 487: 362-365
Identification of a putative expansin gene expressed in the subventral glands of the cereal cyst nematode <i>Heterodera avenae</i>	Long HB, Peng DL, Huang WK, Liu Yanke, Peng H	Nematology	2012, 14: 571-577
Loop-mediated isothermal amplification for rapid and precise detection of the burrowing nematode, <i>Radopholus similis</i> , directly from diseased plant tissues	Peng H, Peng DL, Hu XQ, He XF, Wang Q, Huang WK, He WT	Nematology	2012, 14: 977-986
Western flower thrips resistance to insecticides: detection, mechanisms, and	Gao YL, ZR Lei*, SR Reitz	PestManagement Science	2012, 68: 1111-112

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Comparative expression analysis in susceptible and resistant <i>Gossypium hirsutum</i> responding to <i>Verticillium dahliae</i> infection by cDNA-AFLP	Zhang WW, Wang SZ, Liu K, Shi N, Qi FJ, Jian GL	Physiological and Molecular Plant Pathology	2012, 80: 50-57
Molecular mapping of the blast resistance genes Pi2-1 and Pi51(t) in the durably resistant rice 'Tianjingyeshengdao'	Wang Y, Wang D, Deng X, Liu J, Sun P, Liu Y, Huang H, Jiang N, Kang H, Ning Y, Wang Z, Xiaoyao Y, Liu X, Liu E, Dai L, Wang GL*	Phytopathology	2012, 102: 779-86
HDT701, a Histone H4 Deacetylase, Negatively Regulates Plant Innate Immunity by Modulating Histone H4 Acetylation of Defense-Related Genes in Rice	Ding B, Bellizzi M, Ning Y, Meyers B, Wang GL*	Plant Cell	2012, 24: 3783-3794
Efficient production of <i>Agrobacterium rhizogenes</i> -transformed roots and composite plants in peanut (<i>Arachis hypogaea</i> L.)	Geng LL, Niu LH, Gresshoff P, Shu CL, Song FP, Huang DF, Zhang J*	Plant Cell, Tissue and Organ Culture	2012, 109: 491-500
Race and virulence dynamics of <i>Puccinia triticina</i> in China during 2000-2006	Liu TG, Chen WQ*	Plant Disease	2012, 96: 1601-1607
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The U-Box/ARM E3 ligase PUB13 regulates cell death, defense, and flowering time in Arabidopsis	Li W, Ahn IP, Ning Y, Park CH, Zeng L, Whitehill JG, Lu H, Zhao Q, Ding B, Xie Q, Zhou JM, Dai L, Wang GL*	Plant Physiology	2012, 159: 239-250
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PUB13, a U-box/ARM E3 ligase, regulates plant defense, cell death, and flowering time	Li W, Dai L, Wang GL*	Plant Signal and Behavior	2012, 7: 898-900

Candidate olfaction genes identified within the <i>Helicoverpa armigera</i> antennal transcriptome	Liu Y, Gu SH, Zhang YJ, Guo Y, Wang GR*	PLoS ONE	2012, 7: e48260
Chilling stress-The key predisposing factor for causing <i>Alternaria alternata</i> infection and leading to cotton (<i>Gossypium hirsutum</i> L.) leaf senescence	Zhao JQ, Li S, Jiang TF, Liu Z, Zhang WW, Jian GL, Qi FJ*	PLoS ONE	2012, 7: e36126
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Functional analysis of general odorant binding protein 2 from the meadow moth <i>Loxostege sticticalis</i> L. (Lepidoptera: Pyralidae)	Yin J, Feng HL, Sun HY, Xi JH, Cao YZ, Li KB*	PLoS ONE	2012, 7: e33589
Functional characterizations of chemosensory proteins of the alfalfa plant bug <i>Adelphocoris lineolatus</i> indicate their involvement in host recognition	Gu SH, Wang SY, Zhang XY, Ji P, Liu JT, Wang GR, Wu KM, Guo YY, Zhou JJ*, Zhang YJ*	PLoS ONE	2012, 7: e42871
Identification of catalytic residues using a novel feature that integrates the microenvironment and geometrical location properties of residues	Han L, Zhang YL, Song JN, Liu MS*, Zhang ZD*	PLoS ONE	2012, 7: e41370
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Non-uniform distribution pattern for differentially expressed genes of transgenic rice Huahui 1 at different developmental stages and environments	Liu Z, Zhao J, Li YH, Zhang WW, Jian GL, Peng YF*, Qi FJ*	PLoS ONE	2012, 7: e37078
pH-controlled <i>Bacillus thuringiensis</i> Cry1Ac protoxin loading and release from polyelectrolyte microcapsules	Yang WH, He KL, Zhang J, Guo SY*	PLoS ONE	2012, 7: e45233
Population analysis of the <i>Fusarium graminearum</i> species complex from wheat in China show a shift to more aggressive isolates	Zhang H, Van DL, Waalwijk C, Chen WQ, Xu J, Xu JS, Zhang Y, Feng J	PLoS ONE	2012, 7: e31722
Shifting preference between oviposition vs. host-feeding under changing host densities in two aphelinid parasitoids	Yang NW, Ji LL, Lövei G, Wan FH*	PLoS ONE	2012, 7: e41189
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ollworm on non- <i>Bt</i> cotton by <i>Btcotton</i> in China	ang MS, Wu KM*	PLoS ONE	2012, 7: e42004
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A multicomponent sugar phosphate sensor system specifically induced in <i>Bacillus cereus</i> during infection of the insect gut	Song FP *, Peng Q, Brillard J, Buisson C*, Abee T, Broussolle V, Huang D, Zhang J, Lereclus D*, Nielsen L	The Journal of the Federation of American Societies for Experimental Biology	2012, 26: 3336-3353
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Identification of volatile compounds released by leaves of the invasive plant croftonweed (<i>Ageratina adenophora</i> , Compositae), and their inhibition of rice seedling growth	Zhang FJ, Guo JY, Chen FX, Liu WX, Wan FH*	Weed Science	2012, 60: 205-211
ρ -Cymene inhibits growth and induces oxidative stress in rice seedling plants	Zhang FJ, Chen FX, Liu WX, Guo JY, Wan FH*	Weed Science	2012, 60: 564-570

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