首页 实验室介绍 新闻快讯 实验室人员 科研信息 实验平台 开放台作 人才培养 资源下载 联系我们 诽输入关键字!



论文

当前位置: 科研信息 >> 科研成果

2011年实验室发表论文

发布时间: 2011-12-17 来源: 土壤与农业可持续发展国家重点实验室 浏览: 585 次

Chen SB, Ma YB, Enzo L, et al.. Application of (65)Cu Dilution Techniques for Assessing L and E-Values for Cu in Long-term Biosolid Applied Soils. Acta Chimica Sinica, 2011, 69(4): 45-465.

Li BH, Shi WM, Su YH. The differing responses of two Arabidopsis ecotypes to ammonium are modulated by the photoperiod regime. Acta Physiologiae Plantarum, 2011, 33(2): 325-334.

Xie WJ, Zhou JM, Wang HY, et al.. Cu and Pb accumulation in maize (Zea mays L.) and soybean (Glycine max L.) as affected by N, P and K application. African Journal of Agricultural Research, 2011, 6(6): 1469-1476.

Ye XH, Wang YM, Lin XG. Rapid detection of Salmonella species using an improved gelbased DNA microarray method. 2011, African Journal of Microbiology Research, 5(15): 2095-2099.

Lin XW, Zhang ZH, Wang SP, et al.. Response of ecosystem respiration to warming and grazing during the growing seasons in the alpine meadow on the Tibetan plateau. Agricultural and Forest Meteorology, 2011, 151(7): 792-802.

Liu M, Li ZP, Zhang TL, et al.. Discrepancy in Response of Rice Yield and Soil Fertility to Long-Term Chemical Fertilization and Organic Amendments in Paddy Soils Cultivated from Infertile Upland in Subtropical China. Agricultural Sciences in China, 2011, 10(2): 259-266.

Hao RJ, Li ZP, Che YP. Differences in Organic C Mineralization Between Aerobic and Submerged Conditions in Paddy Soils of Southern Jiangsu Province, China. Agricultural Sciences in China, 2011, 10(9): 1410-1418.

Wang Y, Zhang B, Lin L, et al.. Agroforestry system reduces subsurface lateral flow and nitrate loss in Jiangxi Province, China. Agriculture Ecosystems & Environment, 2011, 140(3-4): 441-453.

Tian YH, Yang LZ, Yin B, et al.. Wet deposition N and its runoff flow during wheat seasons in the Tai Lake Region, China. Agriculture Ecosystems & Environment, 2011, 141(1-2): 224-229.

Wang JY, Jia JX, Xiong ZQ, et al. Water regime-nitrogen fertilizer-straw incorporation interaction: Field study on nitrous oxide emissions from a rice agroecosystem in Nanjing, China. Agriculture Ecosystems & Environment, 2011, 141(3-4): 437-446.

Avrahami S Jia ZJ, Neufeld JD, et al.. Active Autotrophic Ammonia-Oxidizing Bacteria in Biofilm Enrichments from Simulated Creek Ecosystems at Two Ammonium Concentrations Respond to Temperature Manipulation. Applied and Environmental Microbiology, 2011, 77(20): 7329-7338.

Zeng J, Lin XG, Zhang J, et al.. Oxidation of polycyclic aromatic hydrocarbons by the bacterial laccase CueO from E. coli. Applied Microbiology And Biotechnology, 2011, 89(6): 1841-1849.

Zhang YP, Wang F, Yang XL, et al.. Extracellular polymeric substances enhanced mass transfer of polycyclic aromatic hydrocarbons in the two-liquid-phase system for biodegradation. Applied Microbiology And Biotechnology, 2011, 90(3): 1063-1071.

Du CW, Zhou JM. Application of Infrared Photoacoustic Spectroscopy in Soil Analysis. Applied Spectroscopy Reviews, 2011, 46(5): 405-422.

Xu WF, Shi WM, Yan F, et al. Mechanisms of cadmium detoxification in cattail (Typha angustifolia L.). Aquatic Botany, 2011, 94(1): 37-43.

Dong HB, Yao ZS, Zheng XH, et al.. Effect of ammonium-based, non-sulfate fertilizers on CH(4) emissions from a paddy field with a typical Chinese water management regime. Atmospheric Environment, 2011, 45(5): 1095-11101.

Liu YS, Zhu RB, Ma DW, et al.. Temporal and spatial variations of nitrous oxide fluxes from the littoral zones of three algarich lakes in coastal Antarctica. Atmospheric Environment, 2011, 45 (7):1464-1475.

Huang P, Zhang JB, Zhu AN, et al.. Atmospheric deposition as an important nitrogen load to a typical agroecosystem in the Huang-Huai-Hai Plain. 1. Measurement and preliminary results. Atmospheric Environment, 2011, 45(20): 3400-3405.

Tang HY, Liu G, Han Y, et al.. A system for free-air ozone concentration elevation with rice and wheat: Control performance and ozone exposure regime. Atmospheric Environment, 2011, 45(35): 6276-6282.

Liu DY, Ding WX, Jia ZJ, et al.. Relation between methanogenic archaea and methane production potential in selected natural wetland ecosystems across China. Biogeosciences, 2011, 8(2): 329-338.

Ding WX, Yu HY, Cai ZC. Impact of urease and nitrification inhibitors on nitrous oxide emissions from fluvo-aquic soil in the North China Plain. Biology and Fertility of Soils, 2011, 47(1): 91-99.

Yin SX, Dong YH, Xu YC, et al.. Upland rice seedling wilt and microbial biomass and enzyme activities of compost-treated soils. Biology and Fertility of Soils, 2011, 47(3): 303-313.

Zhang JB, Mueller C, Zhu TB, et al.. Heterotrophic nitrification is the predominant NO(3) (-) production mechanism in coniferous but not broad-leaf acid forest soil in subtropical China. Biology and Fertility of Soils, 2011, 47(5): 533-542.

Li WJ, Xia YQ, Ti CP, et al.. Evaluation of biological and chemical nitrogen indices for predicting nitrogen-supplying capacity of paddy soils in the Taihu Lake region, China. Biology and Fertility of Soils, 2011, 47(6): 669-678.

Gong W, Yan XY, Wang JY, et al.. Long-term applications of chemical and organic fertilizers on plant-available nitrogen pools and nitrogen management index. Biology and Fertility of Soils, 2011 47(7): 767-775.

Lv MR, Li ZP, Che YP, et al.. Soil organic C, nutrients, microbial biomass, and grain yield of rice (Oryza sativa L.) after 18 years of fertilizer application to an infertile paddy soil. Biology and Fertility of Soils, 2011, 47(7): 777-783.

Wu YH, Hu ZY, Kerr PG, et al.. A multi-level bioreactor to remove organic matter and metals, together with its associated bacterial diversity. Bioresource Technology, 2011, 102(2): 736-741.

Wu YH, Hu ZY, Yang LZ, et al.. The removal of nutrients from non-point source wastewater by a hybrid bioreactor. Bioresource Technology, 2011, 102(3): 2419-2426.

Yuan JH, Xu RK, Zhang H. The forms of alkalis in the biochar produced from crop residues at different temperatures. Bioresource Technology, 2011, 102(3): 3488-3497.

Yan R, Yang F, Wu YH, et al.. Cadmium and mercury removal from non-point source wastewater by a hybrid bioreactor. Bioresource Technology, 2011, 102(21): 9927-9932.

Gui RY, Leng HN, Zhuang SY, et al.. Aluminum Tolerance in Moso Bamboo (Phyllostachys pubescens). Botanical Review, 2011, 77(3 SI): 214-222.

Liu J, Jiang PK, Li YF, et al.. Responses of N(2)0 Flux from Forest Soils to Land Use Change in Subtropical China. Botanical Review, 2011, 77(3 SI): 320-325.

Zhuang SY, Sun X, Liu GQ, et al.. Carbon Sequestration in Bamboo Plantation Soil with Heavy Winter Organic Mulching Management. Botanical Review, 2011, 77(3 SI): 252-261.

Hu WY, Huang B, Zhao YC, et al.. Organochlorine Pesticides in Soils from a Typical Alluvial Plain of the Yangtze River Delta Region, China. Bulletin of Environmental Contamination and Toxicology, 2011, 87(5): 561-566.

Li XL, Ziadi N, Belanger G, et al.. Cadmium accumulation in wheat grain as affected by mineral N fertilizer and soil characteristics. Canadian Journal of Soil Science, 2011, 91(4): 521-531.

Jiang J, Xu RK, Zhao AZ. Surface chemical properties and pedogenesis of tropical soils derived from basalts with different ages in Hainan, China. CATENA, 2011, 87(3): 334-340.

Tong XJ, Li JY Yuan JH, et al.. Adsorption of Cu(II) by biochars generated from three crop straws. Chemical Engineering Journal, 2011, 172(2-3): 828-834.

Chen RR, Hu JL, Dittert K, et al.. Soil Total Nitrogen and Natural 15Nitrogen in Response to Long-Term Fertilizer Management of a Maize-Wheat Cropping System in Northern China. Communications in Soil Science and Plant Analysis, 2011, 42(3): 322-331.

Ye XH, Wang YM, Lin XG. A gyrB-targeted PCR for Rapid Identification of Salmonella. Current Microbiology, 2011, 63(5): 477-488.

Li DD, Zhou DM, Wang P, et al.. Subcellular Cd distribution and its correlation with antioxidant enzymatic activities in wheat (Triticum aestivum) roots. Ecotoxicology and Environmental Safety, 2011, 74(4): 874-881.

Yan R, Wu YH, Ji HL, et al.. The decoction of Radix Astragali inhibits the growth of Microcystis aeruginosa. Ecotoxicology and Environmental Safety, 2011, 74(4): 1006-1010.

Zhou DW, Li LZ, Peijnenburg WJGM, et al.. A QICAR approach for quantifying binding constants for metalligand complexes. Ecotoxicology and Environmental Safety, 2011, 74(4): 1036-1042.

Zhang ZQ, Yu DS, Shi XZ, et al.. Effects of prediction methods for detecting the temporal evolution of soil organic carbon in the Hilly Red Soil Region, China. Environmental Earth Sciences, 2011, 64 (2): 319-328.

Wu F, Liu YL, Xia Y, et al.. Copper contamination of soils and vegetables in the vicinity of Jiuhuashan copper mine, China. Environmental Earth Sciences, 2011, 64(3): 761-769.

Alekseeva T, Alekseev A, Xu RK, et al.. Effect of soil acidification induced by a tea plantation on chemical and mineralogical properties of Alfisols in eastern China. Environmental Geochemistry and

Health, 2011, 33(2): 137-148.

Wu YH, Liu JT, Yang LZ, et al.. Allelopathic control of cyanobacterial blooms by periphyton biofilms. Environmental Microbiology, 2011, 13(3): 604-615.

Naile JE, Khim JS, Wang TY, et al.. Sources and distribution of polychlorinated-dibenzo-p-dioxins and -dibenzofurans in soil and sediment from the Yellow Sea region of China and Korea. Environmental Pollution, 2011, 159(4): 907-917.

Wu YH, Xia LZ, Hu ZY, et al.. The application of zero-water discharge system in treating diffuse village wastewater and its benefits in community afforestation. Environmental Pollution, 2011, 159 (10): 2968-2973.

He SY, Feng YZ, Gu N, et al.. The effect of gamma-Fe(2)0(3) nanoparticles on Escherichia coli genome. Environmental Pollution, 2011, 159(12): 3468-3473.

Zhang JB, Cai ZC, Zhu TB. N(2)0 production pathways in the subtropical acid forest soils in China. Environmental Research, 2011, 111(5): 643-649.

Kopittke PM, Kinraide TB, Wang P, et al.. Pb Rhizotoxicities in Cowpea (Vigna unguiculata) as Related to Ion Activities at Root-Cell Plasma Membrane Surface. Environmental Science & Technology, 2011, 45(11): 4966-4973.

Guo HY, Zhu JG, Zhou H, et al.. Elevated CO(2) Levels Affects the Concentrations of Copper and Cadmium in Crops Grown in Soil Contaminated with Heavy Metals under Fully Open-Air Field Conditions. Environmental Science & Technology, 2011, 45(16): 6997-7003.

Kopittke PM, Blamey FPC, McKenna BA, et al.. Toxicity of Metals to Roots of Cowpea in Relation to Their Binding Strength. Environmental Toxicology And Chemistry, 2011, 30(8): 1827-1833.

Chen ST, Hu ZH, Li HM, et al.. Effects of elevated UV-B radiation on ecosystem and soil respiration in a winter wheat farmland. European Journal of Soil Biology, 2011, 47(1): 16-23.

Feng Y, Lin X, Zhang J, et al.. Soil purple phototrophic bacterial diversity under double cropping (rice-wheat) with free-air CO(2) enrichment (FACE). European Journal of Soil Biology, 2011, 62(4): 533-540.

Peng X, Hallett PD, Zhang B, et al.. Physical response of rigid and non-rigid soils to analogues of biological exudates. European Journal of Soil Biology, 2011, 62(5): 676-684.

Zhang CZ, Zhang JB, Zhao BZ, et al.. Coupling a two-tip linear mixing model with a delta D-delta(18) 0 plot to determine water sources consumed by maize during different growth stages. Field Crops Research, 2011, 123(3): 196-205.

Cheng Y, Cai ZC, Zhang JB, et al.. Gross N transformations were little affected by 4 years of simulated N and S depositions in an aspen-white spruce dominated boreal forest in Alberta, Canada. Forest Ecology and Management, 2011, 262(3): 571-578.

Liu J, Jiang PK, Wang HL, et al.. Seasonal soil CO(2) efflux dynamics after land use change from a natural forest to Moso bamboo plantations in subtropical China. Forest Ecology and Management, 2011, 262(6): 1131-1137.

Zhou H, Perfect E, Lu YZ, et al.. Multifractal Analyses of Grayscale and Binary Soil Thin Section Images. Fractals-Complex Geometry Patterns and Scaling in Nature and Society, 2011, 19(3): 299-309.

Yan R, Wu YH, Yang LZ, et al.. Scutellaria Baicalensis Georgi Controls Cyanobacterial Blooms and Benefits to Aquatic Ecosystem. Fresenius Environmental Bulletin, 2011, 20(1): 18-25.

Xu SX, Shi XZ, Zhao YC, et al.. Carbon sequestration potential of recommended management practices for paddy soils of China, 1980-2050. Geoderma, 2011, 166(1): 206-213.

Yu DS, Yang H, Shi XZ, et al.. Effects of soil spatial resolution on quantifying CH(4) and N(2)0 emissions from rice fields in the Tai Lake region of China by DNDC model. Global Biogeochemical Cycles, 2011, DOI: 10.1029/2010GB003825.

Feng ZZ, Pang J, Kobayashi K, et al.. Differential responses in two varieties of winter wheat to elevated ozone concentration under fully open-air field conditions. Global Change Biology, 2011, 17 (1): 580-591.

Yan XY, Cai ZC, Wang SW, et al.. Direct measurement of soil organic carbon content change in the croplands of China. Global Change Biology, 2011, 17(3): 1487-1496.

Zhu XK, Feng ZZ, Sun TF, et al.. Effects of elevated ozone concentration on yield of four Chinese cultivars of winter wheat under fully open-air field. Global Change Biology, 2011, 17(8): 2697-2706.

Wu ZG, Liu YL, Zhang J, et al.. Isolation of a heavy metal-resistant 4-Chloronitrobenzene degrader Cupriavidus sp D4 and cloning of its cnb genes. International Biodeterioration & Biodegradation, 2011, 65(6): 871-876.

Hao XZ, Zhou DM, Wang YK, et al.. Accumulation of Cu, Zn, Pb, and Cd in Edible Parts of Four Commonly Grown Crops in Two Contaminated Soils. International Biodeterioration & Biodegradation, 2011, 13(3): 289-301.

Li XP, Zhang JB, Liu JT, et al.. A modified checkbook irrigation method based on GIS-coupled model for regional irrigation scheduling. Irrigation Science, 2011, 29(2): 115-126.

Xia WW, Zhang CX, Zeng XW, et al.. Autotrophic growth of nitrifying community in an agricultural soil. ISME Journal, 5(7): 1226-1236.

Cai XY, Niu LL, Zhang Y, et al. Discriminating Multiple Impacts of Biogas Residues Amendment in Selectively Decontaminating Chloroacetanilide Herbicides. Journal of Agricultural and Food Chemistry, 2011, 59(20): 11177-11185.

Xu RK, Xiao SC, Jiang J, et al.. Effects of Amorphous Al(OH)(3) on the Desorption of Ca(2+), Mg(2+), and Na(+) from Soils and Minerals As Related to Diffuse Layer Overlapping. Journal of Chemical and Engineering Data, 2011, 56(5): 2536-2542.

Si YB, Wang MD, Tian C, et al.. Effect of charcoal amendment on adsorption, leaching and degradation of isoproturon in soils. Journal of Contaminant Hydrology, 2011, 123(1-2): 75-81.

Du WC, Sun YY, Ji R, et al.. TiO(2) and ZnO nanoparticles negatively affect wheat growth and soil enzyme activities in agricultural soil. Journal of Environmental Monitoring, 2011, 13(4): 822-828.

Gao YZ, Cao XZ, Kang FX, et al.. PAHs Pass Through the Cell Wall and Partition into Organelles of Arbuscular Mycorrhizal Roots of Ryegrass. Journal of Environmental Quality, 2011, 40(2): 653-656.

Huang LM, Yang JL, Zhang GL. Nitrogen sink in a small forested watershed of subtropical China.

Journal of Environmental Sciences-China, 2011, 23(3): 468-475.

Wang Y, Zhou DM, Wang YJ, et al.. Humic acid and metal ions accelerating the dechlorination of 4-chlorobiphenyl by nanoscale zero-valent iron. Journal of Environmental Sciences-China, 2011, 23(8): 1286-1292.

Zhang GY, Lin YQ, Wang MK. Remediation of copper polluted red soils with clay materials. Journal of Environmental Sciences-China, 2011, 23(3): 461-467.

Kopittke PM, Blamey FPC, Wang P, et al.. Calculated activity of Mn(2+) at the outer surface of the root cell plasma membrane governs Mn nutrition of cowpea seedlings. Journal of Experimental Botany, 2011, 62(11): 3993-4001.

Zhang XS, Wei C, Neculita M, et al.. Irrigation system integration for grape by implementing a WSN based Decision Support System in greenhouse, Northern China. Journal of Food Agriculture & Environment, 2011, 9(2): 413-415.

Zhang HH, Chen JJ, Zhu L, et al.. Spatial patterns and variation of soil cadmium in Guangdong Province, China. Journal of Geochemical Exploration, 2011, 109(1-3 SI): 86-91.

Mei BL, Zheng XH, Xie BH, et al.. Characteristics of multiple-year nitrous oxide emissions from conventional vegetable fields in southeastern China. Journal of Geophysical Research-Atmospheres, 2011, 116, DOI: 10.1029/2010JD015059.

Zhao X, Min J, Wang SQ, et al.. Further understanding of nitrous oxide emission from paddy fields under rice/wheat rotation in south China. Journal of Geophysical Research-Biogeosciences, 2011, 116, DOI: 10.1029/2010JG001528.

Huang GY, Zhao L, Dong YH, et al.. Remediation of soils contaminated with polychlorinated biphenyls by microwave-irradiated manganese dioxide. Journal of Hazardous Materials, 2011, 186(1): 128-132.

Zhang XX, Wang S, Wang Y, et al.. Differential enantioselectivity of quizalofop ethyl and its acidic metabolite: Direct enantiomeric separation and assessment of multiple toxicological endpoints. Journal of Hazardous Materials, 2011, 186(1): 876-882.

Zhang YP, Wang F, Wang CY, et al.. Enhanced microbial degradation of humin-bound phenanthrene in a two-liquid-phase system. Journal of Hazardous Materials, 2011, 186(2-3): 1830-1836.

Wu FY, Yu XZ, Wu SC, et al.. Phenanthrene and pyrene uptake by arbuscular mycorrhizal maize and their dissipation in soil Journal of Hazardous Materials, 2011, 187(1-3): 341-347.

Du WC, Sun YY, Cao L, et al.. Environmental fate of phenanthrene in Lysimeter planted with wheat and rice in rotation. Journal of Hazardous Materials, 2011, 188(1-3): 408-413.

Fang D, Zhang RC, Zhou LX, et al.. A combination of bioleaching and bioprecipitation for deep removal of contaminating metals from dredged sediment. Journal of Hazardous Materials, 2011, 192(1): 226-233.

Wu YH, He JZ, Hu ZY, et al.. Removal of UV(254) (nm) matter and nutrients from a photobioreactor-wetland system. Journal of Hazardous Materials, 2011, 194(1-6), DOI: 10.1016/j.jhazmat.2010.10.096.

Xu MX, Wu SH, Zhou SL, et al.. Hyperspectral reflectance models for retrieving heavy metal content: application in the archaeological soil. Journal of Infrared and Millimeter Waves, 2011, 30(2): 109-114.

Zhang WT, Yu DS, Shi XZ, et al.. The suitability of using leaf area index to quantify soil loss under vegetation cover. Journal of Mountain Science, 2011, 8(4): 564-570.

Du CW, Lei MJ, Zhou JM, et al.. Effect of long-term fertilization on the transformations of waterextractable phosphorus in a fluvo-aquic soil. Journal of Plant Nutrition and Soil Science, 2011, 174(1): 20-27.

Lang M, Cai ZC, Chang SX. Effects of land use type and incubation temperature on greenhouse gas emissions from Chinese and Canadian soils. Journal of Soils and Sediments, 2011, 11(1): 15-24.

Feng YZ, Lin XG, Zhu JG, et al.. A phototrophy-driven microbial food web in a rice soil. . Journal of Soils and Sediments, 2011, 11(2): 301-311.

Hu JL, Lin XG, Wang JH, et al.. Microbial functional diversity, metabolic quotient, and invertase activity of a sandy loam soil as affected by long-term application of organic amendment and mineral fertilizer. Journal of Soils and Sediments, 2011, 11(2): 271-280.

Zhou DM, Wang DJ, Cang L, et al.. Transport and re-entrainment of soil colloids in saturated packed column: effects of pH and ionic strength. . Journal of Soils and Sediments, 2011, 11(30: 491-503.

Huang B, Wang M, Yan LX, et al.. Accumulation, transfer, and environmental risk of soil mercury in a rapidly industrializing region of the Yangtze River Delta, China. . Journal of Soils and Sediments, 2011, 11(4): 607-618.

Wang YJ, Zhou DM, Li CB. Wien effect determination of binding and adsorption energies between positively charged nano-particles and anions. Journal of Soils and Sediments, 2011, 11(5): 783-788

Yang JL, Zhang GL. Water infiltration in urban soils and its effects on the quantity and quality of runoff. . Journal of Soils and Sediments, 2011, 11(5): 751-761.

Yuan JH, Xu RK, Qian W, et al.. Comparison of the ameliorating effects on an acidic ultisol between four crop straws and their biochars. Journal of Soils and Sediments, 2011, 11(5): 741-750.

Cui HJ, Wang MK, Fu ML, et al.. Enhancing phosphorus availability in phosphorus-fertilized zones by reducing phosphate adsorbed on ferrihydrite using rice straw-derived biochar. . Journal of Soils and Sediments, 2011, 11(7): 1135-1141.

Zhu TB, Zhang JB, Cai ZC, et al.. The N transformation mechanisms for rapid nitrate accumulation in soils under intensive vegetable cultivation. Journal of Soils and Sediments, 2011, 11(7): 1178-1189

He SY, Feng YZ, Ren HX, et al.. The impact of iron oxide magnetic nanoparticles on the soil bacterial community. Journal of Soils and Sediments, 2011, 11(8): 1408-1417.

Song Y, Wang F, Yang XL, et al.. Chemical extraction to assess the bioavailability of chlorobenzenes in soil with different aging periodc. Journal of Soils and Sediments, 2011, 11(8): 1345-1354.

Feng YZ, Lin XG, Mao TT, et al.. Diversity of aerobic anoxygenic phototrophic bacteria in paddy soil and their response to elevated atmospheric CO(2). Microbial Biotechnology, 2011, 4(1): 74-81.

Feng YZ, Lin XG, Yu YC, et al.. Elevated Ground-Level 0(3) Changes the Diversity of Anoxygenic Purple Phototrophic Bacteria in Paddy Field. Microbial Ecology, 2011, 62(4): 789-799.

Kopittke PM, Blamey FPC, Kinraide TB, et al.. Separating multiple, short-term, deleterious effects of saline solutions on the growth of cowpea seedlings. New Phytologist, 2011, 189(4): 1110-1121.

Zeng Q, Liu B, Gilna B, et al.. Elevated CO(2) effects on nutrient competition between a C(3) crop (Oryza sativa L.) and a C(4) weed (Echinochloa crusgalli L.). Nutrient Cycling in Agroecosystems, 2011, 89(1): 93-104.

Zhang GB, Zhang XY, Ma J, et al.. Effect of drainage in the fallow season on reduction of CH(4) production and emission from permanently flooded rice fields. Nutrient Cycling in Agroecosystems, 2011, 89(1): 81-91.

Min J, Shi WM, Xing GX, et al.. Effects of a catch crop and reduced nitrogen fertilization on nitrogen leaching in greenhouse vegetable production systems. Nutrient Cycling in Agroecosystems, 2011, 91(1): 31-39.

Ti CP, Xia YQ, Pan JJ, et al.. Nitrogen budget and surface water nitrogen load in Changshu: a case study in the Taihu Lake region of China. Nutrient Cycling in Agroecosystems, 2011, 91(1): 55-56.

Wang CY, Wang F, Wang T, et al.. Effects of Autoclaving and Mercuric Chloride Sterilization on PAHs Dissipation in a Two-Liquid-Phase Soil Slurry. Pedosphere, 2011, 21(1): 56-64.

Zhao QG, He JZ, Yan XY, et al.. Progress in Significant Soil Science Fields of China over the Last Three Decades: A Review. Pedosphere, 2011, 21(1): 1-10.

Yu DS, Zhang ZQ, Yang H, et al.. Effect of Soil Sampling Density on Detected Spatial Variability of Soil Organic Carbon in a Red Soil Region of China. Pedosphere, 2011, 21(2): 207-213.

Zhou DM, Wang QY, Cang C. Free Cu(2+) Ions, Cu Fractionation and Microbial Parameters in Soils from Apple Orchards Following Long-Term Application of Copper Fungicides. Pedosphere, 2011, 21(2): 139-145.

Sun XL, Zhao YG, Zhang GL, et al.. Application of a Digital Soil Mapping Method in Producing Soil Orders on Mountain Areas of Hong Kong Based on Legacy Soil Data. Pedosphere, 2011, 21(3): 339-350.

Wang SH, Shi XZ, Zhao YC, et al.. Regional Simulation of Soil Organic Carbon Dynamics for Dry Farmland in East China by Coupling a 1:500 000 Soil Database with the Century Model. Pedosphere, 2011, 21(3): 277-287.

Yuan JH, Xu RK, Wang N, et al.. Amendment of Acid Soils with Crop Residues and Biochars. Pedosphere, 2011, 21(3): 302-308.

Zeng QL, Chen RF, Zhao XQ, et al.. Aluminium Uptake and Accumulation in the Hyperaccumulator Camellia Oleifera Abel. Pedosphere, 2011, 21(3): 358-364.

Li DC, Velde B, Li FM, et al.. Impact of Long-Term Alfalfa Cropping on Soil Potassium Content and Clay Minerals in a Semi-Arid Loess Soil in China. Pedosphere, 2011, 21(4): 522-531.

Min J, Zhao X, Shi WM, et al.. Nitrogen Balance and Loss in a Greenhouse Vegetable System in Southeastern China. Pedosphere, 2011, 21(40: 464-472.

Song Y, Wang F, Kengara FO, et al.. Improved Biodegradation of 1,2,4-Trichlorobenzene by Adapted Microorganisms in Agricultural Soil and in Soil Suspension Cultures. Pedosphere, 2011, 21(4): 423-421

Song MH, Jiang J, Xu XL, et al.. Correlation Between CO(2) Efflux and Net Nitrogen Mineralization and Its Response to External C or N Supply in an Alpine Meadow Soil. Pedosphere, 2011, 21(4): 666-675.

Zhao Y, Peth S, Reszkowska A, et al.. Response of soil moisture and temperature to grazing intensity in a Leymus chinensis steppe, Inner Mongolia. Plant and Soil, 2011, 340(1-2 SI): 89-102.

Zhang JB, Zhu TB, Cai ZC, et al.. Nitrogen cycling in forest soils across climate gradients in Eastern China. Plant and Soil, 2011, 342(1-2): 419-432.

Song WJ, Makeen K, Wang DS, et al.. Nitrate supply affects root growth differentially in two rice cultivars differing in nitrogen use efficiency. Plant and Soil, 2011, 343(1-2): 357-368.

Wang HY, Shen QH, Zhou JM, et al.. Plants use alternative strategies to utilize nonexchangeable potassium in minerals. Plant and Soil, 2011, 343(1-2): 209-220.

Zhu TB, Zhang JB, Cai ZC. The contribution of nitrogen transformation processes to total N(2)0 emissions from soils used for intensive vegetable cultivation. Plant and Soil, 2011, 343(1-2): 313-327.

Li BH, Li Q, Su YH, et al.. Shoot-supplied ammonium targets the root auxin influx carrier AUX1 and inhibits lateral root emergence in Arabidopsis. Plant Cell and Environment, 2011, 34(6): 933-946.

Zhang YL, Lv HJ, Wang DS, et al.. Partial nitrate nutrition amends photosynthetic characteristics in rice (Oryza sativa L. var. japonica) differing in nitrogen use efficiency. Plant Growth Regulation, 2011, 63(3): 235-242.

Wang P, Kinraide TB, Zhou DM, et al.. Plasma Membrane Surface Potential: Dual Effects upon Ion Uptake and Toxicity. Plant Physiology, 2011, 155(2): 808-820.

Li JT, Zhong XL, Wang F, et al.. Effect of poultry litter and livestock manure on soil physical and biological indicators in a rice-wheat rotation system. Plant Soil and Environment, 2011, 57(8): 351-356.

Wang JB, Chen ZH, Chen LJ, et al.. Surface soil phosphorus and phosphatase activities affected by tillage and crop residue input amounts. Plant Soil and Environment, 2011, 57(6): 251-257.

Xie WJ, Wang HY, Xia JB, et al.. Influence of N, P, and K application on Zea mays L. growth and Cu