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1620	Study on 10 Chemical Components of Fresh Mature Tobacco Leaves Impacted by Leaf Positions and Altitudes	LI Yue-ping, XU Xing-yang, GAO Fu-hong, YANG Zheng-quan, LI Xiu-jun, JIAN Bing
1625	Effects of Exogenous Vitamins on Membrane Lipid Peroxidation of Adzuki Bean Seedling under Salt Stress	REN Xiu-yan, ZHANG Yi-ming, QIAO Jie, ZHANG Jiang-li
1629	Responses of Proline Accumulation Metabolic Pathways of Bermudagrass (<i>Cynodon dactylon</i> (L.) Pers.) on Deep Submergence Stress in Three Gorges Reservoir Area	ZHOU Da-xiang, LIU Ren-hua, LI Yan-jie, YANG Jun-nian
1633	Comparison of Photosynthetic Characteristics between Two Asteraceae Invasive Species	WU Shuang-tao, ZHU Hui
1638	Effect of Bulbs Heat-treatment of <i>Perfume lily</i> on Several Physiological Indexes	FANG Shao-zhong, ZHANG Jie, YOU Xiang-yang, GUO Wen-jie, CAI Xuan-mei
1642	Characteristics of Photosynthesis and Chlorophyll Fluorescence in <i>Euphorbia lathyris</i> . L. with NaCl Stress	LIU Chong, WANG Mao-wen, DING Hai-rong, ZHU Xiao-mei, XING Jin-cheng, ZHAO Bao-quan, LIU Xing-hua, CHEN Chang-qian, SUN Li-jun, HONG Li-zhou
1647	Study on Photosynthetic Characteristics and Leaf Traits among Four Fruit Trees in Typical Hilly Region of Lijiang River Basin	MO Ling, XU Guang-ping, ZENG Dan-juan, LIU Ming, WANG San-qiu, ZHANG De-nan, HUANG Yu-qing
1652	Optimization of Royal Jelly Protein Enzymatic Hydrolysis Technology with Response Surface Method	FU Zhong-min, LI Yi-wu, YANG Wen-chao, MIAO Xiao-qing

PLANT PROTECTION · SOIL FERTILIZER

1657	Study on Toxicity Difference and Chemical Mechanism of Several Pesticides to Brown <i>Planthopper</i> , <i>ilaparvata lugens</i> , and Small Brown Planthopper, <i>Laodelphax striatellus</i>	XU Xiao-long, XU De-jin, GU Zhong-yan, XU Guang-chun
1662	Preliminary Study of Comprehensive Damage Loss Valuation on Rice Main Diseases and Pests	MAO Jian-hui, LIU Wan-cai, HE Zhong-quan, LIU Yu, GONG Yi-fei, YAO Lin, LU Dai-hua, CHEN Yu, CHEN Lun-kai, ZHANG Neng-fu
1668	Population Diversity of <i>Puccinia striiformis</i> in Linzhi of Tibet	KUANG Wen-jing, ZHANG Zhen-yu, JI Hong-li, XIANG Yun-jia, ZHANG Min, PENG Yun-liang
1674	Study on Identification and Evaluation Methods of Insect-Resistant Soybean Varieties in Yunnan	LI Xiang-dong, YANG Ming-ying, GENG Zhi-de, CAO Ji-fen, ZHAO Zhi-jian, ZHAO Yin-yue, PEI Wei-hua, WANG Tie-jun

1677	Resistance of Different Tomato Varieties to Tomato Powdery Mildew in Different Growth and Development Phases	DONG Hua-fang
1681	Effects of Viruses (SPVD) Grafting on Chlorophyll Content and Yield of Sweet Potato	XU Zhen, ZHAO Yong-qiang, SUN Hou-jun, XIE Yi-ping
1685	Biological Characteristics of <i>Helicobasidium mompa</i> Tanaka and Selection of Fungicides in Laboratory	YANG Dong-jing, SUN Hou-jun, ZHAO Yong-qiang, XU Zhen, XIE Yi-ping
1689	Canopy Spectral Characteristics and Hazard Rating Inversion of <i>Polyphagotarsonemus latus</i> on Hot Pepper	NIE Ke-yan, YUE Yan-bin, SUN Chang-qing, LI Li-jie, ZHAO Ze-ying, YANG Hong, TU Xiang-min, ZHAN Yong-fa
1694	Antagonistic Spectrum and Stability of Cell-free Culture Filtrate of <i>Bacillus megaterium</i> Strain B196	QIN Jian, YUAN Gao-qing, WANG Ya, XIE Hui-ting, FAN Wan-wan, LI Qi-qin, LIN Wei
1698	Identification of Wax Courd Wilt Pathogens and Field Resistance of Germplasm Resources to <i>Fusarium</i> Wilt	KANG De-xian, CHEN Zhen-dong, WU Yong-guan, LI Wen-jia, HUANG Hui-li, LI Yan, FAN Shi-chao
1703	Study on Several Fungal Leaf Diseases of Pineapple of Hainan	LUO Zhi-wen, FAN Hong-yan, LI Xiang-hong, LIU Yin-ye, HUA Min, WANG Xiang-he, YU Nai-tong, ZHOU Wen-jing, HE Fan
1708	Screening of Antagonistic Actinomyce against <i>Phytophthora nicotianae</i>	LI Bin
1714	Isolation and Identification of Pathogenic Fungus <i>Colletotrichum gloeosporioides</i> (Penz.) Sacc. Causing Strawberry Anthracnose	HUANG Jin-feng, CHEN Bing-yi, LI Jin-feng, GAO Zhi-hong, MI Lin, ZHANG Zhen, LI Guo-ping, QIAO Yu-shan
1720	Study on Analysis Method of Pesticide Multi-Residues in Potato	HOU Xue, YI Sheng-guo, HAN Mei, YANG Xiao-feng, QIU Shi-ting
1725	Effect of Nitrogen Levels and Phosphate Fertilizer Managements on Quality and Component Factors of Hybrid Rice Yunguang 109	GUO We, LU Yi-xuan, KUI Li-mei, TU Jian, LIU Xiao-li, SUI Xue-yi, GU Qiong-yao, LI Hua-hui, HUANG Ping
1730	Effect of N Application Rate on Yield, Nutrient Uptake of Maize and Inorganic Nitrogen of Soil	HU Qiang, KANG Ping-de, LU Yao, LEI Bao-kun
1734	Effect of Different Fertilization Methods on Nitrogen Utilization and Balance under Rice-Wheat Rotation System	WANG Chang-tao, LI Guo-hui, HUANG Jing-jing, CHEN Shang-hong, LIU Ding-hui
1738	Effect of Different Tillage Practices and Fertilizer Treatments on Soil Temperature, Rice Growth and Yield under All-time Waterlogged Conditions	CHEN Kun, QIN Yu-sheng, YU Hua, FENG Wen-qiang, GAO Yuan, TU Shi-hua
1742	Effects of Soil Management on Yield and Quality of Fuji Apple in South of Xinjiang	SUN Xia, JIANG Ping-an, CHAI Zhong-ping, CHEN Xin-yan, LI Jian-ping
1745	Effects of Different Soils on Photosynthetic Characteristics of <i>Citrus limonia</i>	WU Su-fang, FAN Wei-guo

1751	Effects of Different Conditioners on Improvement of Leek Acid Soil	CHEN De-xi, HE Zhong-quan, GUO Yun-jian, LIU Fu-ping, XIE An-xiang
1756	Preliminary Study on Application of Fertilizer and Substrate in Potted Seedling Cultivation of <i>Heteropanax fragrans</i>	LUO Wen-yang, DAI Xiao-hong , LUO Ping, YIN Jun-mei, FAN Quan, LIN Xi-hao
1761	Effects of N, P, K on Summer Sowing Rape in Protection Areas of Qing-shuihai Lake Water-head in Xundian	LIU Jian-xiang, TU Shi-hua, GUO Yun-zhou, ZHANG Guo-jian, WU Xing-hong, YANG Yuan-gang, DAI Hong-fu, HAN Hui-xian
1765	Study on Influencing Factors of Farmland Soil Heavy Metals in Central Yunnan Province	YU Xiao-fen, CHEN Jun, PENG Rong-zhen, QIU Xue-li, FU Bin, NI Ming
1770	Effects of Balanced Fertilization on Mulberry Leaf Quality and Its Active Ingredient Content	LIU Gang, YIN Hao, HUANG Gai-qun, ZHANG Jian-huan, WEI Lin, TONG Wan-hong, LIN Chao-wen, GUO Tao
1777	Effects of Peat on Organic Carbon, Total Nitrogen and Soil Microbial Bio-mass in Greenhouse Soil	QIAO Jie, REN Xiu-yan
1781	Mitigative Effects of Foliar Spraying and Root Application on Cold-stressed Banana Seedlings	HUANG Fang, LI Mao-fu, WANG Liang-ju, LI Shao-peng, HE Juan

HORTICULTURE

1786	Effects of Seed Soaking with CaCl ₂ and PP333 on Germination and Seed-ling Drought Resistance in Dry Chili	LI Shi-kai, TAO Jing, GUI Min, ZHONG Qiu-yue, DU Lei, CAI Rong-jing, LONG Hong-jin
1790	Comparison of Detection Methods of Pollen Viability in Konjac	LI Yong-jun, YIN Cui-fang, MA Ji-qiong, CHEN Jian-hua, WANG Ling
1794	Study on Growth of Yeast-like Conidia in Different Stock Medium for <i>Tremella fuciformis</i> Berk.	GUO Yong, YE Xiao-jin, GAN Bing-cheng, PENG Wei-hong, HUANG Zhong-qian
1798	Study on EST-SSR Markers Related to Thermotolerance of Eggplant	YANG Yang, TIAN Shi-bing, WANG Yong-qing, LUO Zhang-yong, WANG Zhi-jin, WANG He-bing, RU Xue-juan, ZHANG Shi-cai, ZHU Li-quan
1805	Di-monad Breeding and Genetic Analysis of <i>Flammulina velutipes</i>	WANG Bo, QI Li-ping, XIAN Ling
1811	Early Pear Variety Survey and Evaluation in the South of China	DONG Xing-guang, TIAN Lu-ming, CAO Yu-fen, ZHANG Ying
1818	Multivariate Statistical Analysis of Fruit Characters of Cherry Tomato Germplasm Resources	WU Li-yan, GONG Ya-ju, LI Zhi-bin, BAO Rui, ZHONG Li, LIANG Ming-tai
1823	Comparison of Growth Difference of Inoculated and Non-inoculated My-corrhizal Blueberry Seedlings	WANG Lian-run, YANG Song-guang, LIU Jia-xun, TAO Pang, GAO Zheng-qing, KONG Ling-ming , YAO Qing, ZHONG Li

1827	Effects of Different Rootstocks on Growth and Mineral Nutrition Changes of Lemon Leaves	HONG Lin, WEN Ze-fu, CHENG Chang-feng, LIU Zheng-fu, XIE Yong-hong
1834	SCoT and ISSR Analysis of Genetic Diversity of <i>Mesona chinensis</i>	LI Xiao-hui, LI Ying-jing, HUANG Rong-shao, JIANG Ming-lian, WANG Hai-hua
1841	Tissue Culture and Plant Regeneration of <i>Cymbadenia conopsea</i>	GAO Xiao-ling, FENG Hong
1845	Study on Nutrient Character and Official Quality in Different Varieties of <i>Coptis chinensis</i>	ZHANG De-li, CHEN Shi-jiang, TU Yong-qin, LIU Fei
1849	Establishment of Rapid Propagation System and Factors of Callus Tissue Inducement of <i>Ligusticum chuanxiong</i> Hort	XIANG Gang, ZHAO Yong
1856	Analysis on Tonal Value of <i>Tagetes erecta</i> L. Petal Color with HSB in Breeding	LI Pu, WANG Ping, SHEN Xiang-qun, ZHANG Yu-jing, LI Na, WU Zhi-gang
1860	Study on Product Grading Standard of <i>Paris polyphylla</i> Smith var. <i>yunnanensis</i> (Franch) Hand. -Mazz	YANG Li-ying, YANG Bin, WANG Xin, LI Lin-yu, DONG Zhi-yuan, YAN Shi-wu, LI Shao-ping
1865	Comparison of Techniques of Chromosome Preparation in <i>Cannabis sativa</i> L.	XU Yan-ping, YANG Ming, GUO Meng-bi, ZHANG Qing-ying, LIANG Shu-min, CHEN Xuan, GUO Hong-yan
1870	Evaluation of Cold-Resistance of Rose Species Using Membership Function	XU Feng, ZHANG Hao, YANG Chun-mei, JIANG Hong-ying, WANG Qi-gang, DAN Qin-li, WANG Guo-xian, CAO Hua
1874	Study on Dissolution Dynamics of Trace Metal Elements in Tea Infusion	TANG Min, HOU Yu-jia, HUANG Shang-jun, YAO Yong-hong

AGRO-ECOLOGICAL ENVIRONMENT · AGRICULTURAL ENGINEERING

1878	Analysis of Environmental Effect by <i>Veronica anagallis-aquatica</i> in Eutrophic Water	LIU Jun, ZHANG Qing-dong, NIU Wen-liang
1884	Benefit Evaluation of Biogas Production from Human and Livestock Manure in Rural Areas of Yunnan Province	HUANG Jian-wei, CHEN Liang-zheng
1889	Study on Crop Straw/Stalk Bundles Stored in Rain-awning Natural Environment	LIU Jian-hui, XIE Zu-qi, YAO Jin-xia, YI Wen-yu, CHENG Fang-ping, PANG Qi-cheng, YING Jing
1895	Study on Curing Effect of Different Types Stove Bulk Curing Barns	XU Ming-yong, XU Zeng-han, HUANG Gang, SU Ming, MENG Bang-yong, CHEN Jin-kun, LUO Ming, LIU Rui-feng

ANIMAL SCIENCE · VETERINARY SCIENCE · FISHERY

1900	Screening SNPs and Bioinformatic Analysis of Cattle <i>CRP2</i> Genes	YANG Yong-qiang, GONG Yu, JIAO Ren-gang, HUI Yan-ting, LIU Ruo-yu
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1904	Polymorphisms of Hormone-sensitive Lipase Gene in Tibet Pigs	Chamba Yangzom, SHANG Peng, YANG Tao, LIU Zhi-cheng, ZHANG Hao
1907	Studies on Growing-finishing Performance, Carcass and Meat Quality of Different Hybrid Combinations of Yacha Pig	TAO Xuan, YANG Xue-mei, LIANG Yan, LIU Rui, LV Xue-bin
1911	Investigation of Chongqing Green-shell Layer Genetic Resources and Its Traits Analysis	LI Qin, LUO En-quan, RAN Jian-bo, MA Xue-xiang, LI Jing, ZHAO Xian-zhi, SU Jian
1916	Analysis of Genetic Diversity of mtDNA Control Region in Liuyuan Chick-en from Guizhou	ZHANG Fu-ping, ZHU Qiu-jin, WANG Wen-tao, JIAN Shi-zhou
1920	Acute Toxicity of Four Commonly-used Chemicals to <i>Leptobotia elongate</i> Fingerling	ZHOU Jian, DU Jun, LIU Guang-xun, ZHAO Gang, LIN Jue, LIU Ya, ZHANG Liang-xiong, XIAO Yang, DENG Bo
1925	Changes of Total Lipid and Fatty Acids in Early Embryonic Development Stage of <i>Carassius auratus</i>	MU Hong-min, MA Shan, YAO Jun-jie, AN Miao, WANG Yan-yan, LIANG Zheng-qi
1929	Study on Juvenile Growth Characteristics of <i>Onychostoma sima</i> under Arti-ficial Farming Conditions	HE Bin, CHEN Xian-jun, LONG Zhi-hai, YAN Jun-gang, ZHAO Feng-qi

REVIEWS

1934	Progress and Prospect on Disease Research of Cultured Hard Calm(<i>Mere-trix meretrix</i> Linnaeus)	ZHANG Bin, HUANG Ting, XIONG Jian-hua, XIE Da-xiang, WEI Pin-yuan, PENG Jin-xia, CHEN Xiao-han
1940	Investigation of New Medicinal Plants Resources of Orchidaceae in Guan-gxi	HUANG Bao-you, LV Hui-zhen, HUANG Xue-yan, WEI Ying, ZHANG Zhan-jiang

RESEARCH NOTES

1944	Study on Biological Characteristic and Fungicide Depression Effect of <i>Amomum villosum</i> Lour Leaf Spot Disease Pathogen	YANG Ming-ying, LI Xiang-dong, CAO Ji-fen, PEI Wei-hua, ZHAO Zhi-jian, LI Shao-ping
1947	Effects of Different Bagging Treatments on Fruit Quality of Eureka Lemon	ZHANG Yi-gang, ZHANG Yan, YANG Li, ZHOU Xin-zhi, YANG Shi-yong, ZHANG Yun-gui
1950	Preliminary Screen and Identification of Transgenic Insect-Resistant Cot-ton	WANG Juan, LIU Li, WANG Xu-weng, KONG Xian-hui, YU Yu
1953	Effect of Chitosan with Different Concentration on Water-soluble Polysac-charide of <i>Pleurotus citrinopileatus</i> Fermentation	KONG Gao-yuan, WANG Jun-qiang, YAN Xun-you
1956	Acute Toxicity of Artificial Inoculation Fungi and Solid-state Fermentation of Puer Tea	LIANG Ming-zhi, WANG Li, WANG Li-bo, CHEN Ji-wei, JIANG Feng-qiong