2011 International Conference on New Technology of Agricultural Engineering

(ICAE 2011)

Zibo, China 27 – 29 May 2011

Pages 1-579



IEEE Catalog Number: 0

CFP1159M-PRT 978-1-4244-9574-0

TABLE OF CONTENTS

004-A11090	RAPE LESION FEATURE PARAMETER EXTRACTION BASED ON IMAGE PROCESSING Hong Zhongliang, Qiu Zhengjun	1
005-A11091	THE RESEARCH AND ANALYSIS OF ANTI-DRAG MECHANISM FOR VIBRATORY SUBSOILER Li Xia, Zhang Dongxing	5
006-A11093	KINEMATIC SIMULATION OF BUNDLING MACHINE Du Ren, Zhang Han	10
007-A11094	EXPERIMENT AND RESEARCH ON KEY PARTS OF THE WOUND BUNDLER Du Ren, Yu Jie	14
010-A11108	ANALYSIS ON LEAF-STRIPPING EFFECT OF SUGARCANE FEEDING WAY FOR CENTRIFUGAL LEAF-STRIPPING MACHINE Mou Xiangwei, Ou Yinggang, Liu Qingting, Zeng Zhiqiang	19
011-A11057	A CONTROL SYSTEM FOR THE MECHANISM OF FEITILIZER PROPORTIONING AND MIXING BASED ON THE NITROGEN, PHOSPHATE AND POTASSIUM FERTILIZER Liming Chen, Liming Xu, Yanlong Hou	24
013-A11065	DESIGN AND EXPERIMENT ON CORN STUBBLE SCREENING CONVEYOR DEVICE Quan Longzhe	29
014-A11046	AUTOMATIC SEGMENTATION METHOD OF TOUCHING CORN KERNELS IN DIGITAL IMAGE BASED ON IMPROVED WATERSHED ALGORITHM Quan Longzhe, Jiang Enchen	34
015-A11004	SIMULATION AND ANALYSIS OF NONLINEAR MOTION FOR MATERIAL PARTICLES ON VIBRATING SCREEN LI Hongchang,Li Yaoming	38
016-A11009	DESIGN AND EXPERIMENT OF 4YQZ-3A COMBINE HARVESTER FOR CORN Zhang Xirui,Dong Youfu,Zhang Daolin	44
017-A11012	DETERMINATION'OF'ETHOFENPROX'SPREADING'OIL'DISTRIBUTIO N ON WATER SURFACE BY HPLC Feng Chao , Kong Fanyu, Zhang Chengsheng , Yuan Huizhu*, Yang Daibin	50
018-A11071-1	THE SEARCHING OF SHEARING TEST OF THE BOTTOM STALK OF CHINA-HEMP IN HARVESTING PERIOD Zhang xindong, Wu wenfu, Liu xueqiang, Yi xiaokang, Guan zhiping	54

019-A11073	STUDY ON CHARGED SPRAY CHARACTERISTICS OF TWO-FLUID NOZZLE Wang Xiaoying, Wen Jianlong	58
021-A11022	EFFECT'OF'LAND'SLOPE'ON SOME SOIL PHYSICAL AND HYDRAULIC PROPERTIES M. RAOOF	62
022-A11032	DESIGN OF CONTROL SYSTEM FOR TESTING PLATFORM OF SOIL-BIN FOR AGRICULTURAL MACHINE BASED ON PLC YU Yan, SHANG Shu-qi, LIU Xiao-hong	67
023-A11033	ELASTOHYDRODYNAMIC'LUBRICATION'RESEARCH'ON'PLANETAR Y GEAR TRANSMISSION Bao Peide, Xie Jun, Yin Xiaoqin, Yang Qizhi, Ma Luzhong	70
024-A11034	THE OPTIMIZATION OF ENVIRONMENTAL CONTROL PARAMETER IN GREENHOUSE FOR EUCALYPTUS SEEDLINGS PRODUCTION Chu-wang Su, Chao-yi Wei, Xian-ming Tang, Mei-zhi Xie	74
025-A11035	A MODIFIED HARGREAVES EQUATION BY FREE SEARCH AND ITS APPLICATION IN HARBIN Wang Bin, Fu Qiang, Wang Min,Lei Chengrui	78
026-A11036	EVALUATION'OF'FUEL'ENERGY'REQUIREMENT'OF'TILLAGE'IMPLEM ENTS FOR LOAMY SOIL Shafique Qadir Memon, M. S. Mirjat, Nadeem Amjad, Shabbir Kalwar, Asif Mirani, Azhar Saeed	83
027-A11037-1	HIGH-TREE IMAGE MOSAICING AND SEAM PROCESSING FOR PRECISION PESTICIDE APPLICATION Bo Zhou, Hongping Zhou	86
028-A11037	A DESIGN OF AUTO HYDRAULIC FLAP TYPE IRRIGATING MACHINE IN SURGE FLOW WATER-SAVING IRRIGATION Wang Chuntang, Bai Qingjun, Sun Mingxia, Ji Xiaopei	91
029-A11043	DESIGN AND TEST OF VARIABLE-RATE FERTILIZATION CONTROL DEVICE OF PRECISION PLANTER FOR SOYBEAN WANG Xinzhong, WANG Xi	95
031-A11047	THE PRECISION VARIABILITY STUDY OF WHEAT YIELD IN XIAOQING RIVER DRAINAGE AREA Yang Yujian	99
032-A11048	RESEARCH'OF'NEW'TYPE'CELL'WHEEL'FEED'PRECISION'SEED-METE RING DEVICE Wang Yecheng, Qiu Lichun	102
033-A11050	EXPERIMENT AND EFFECT ANALYSIS ON MAIZE FLUID SOWING Xin Ming-jin, Song Yu-qiu, Ren Wen-tao, Kong Ai-ju, Hu Yan-qing	106

034-A11051	STUDY ON GRAIN LOSS DETECTING SENSOR OF COMBINE HARVESTER Zhao Zhan, Zhou Jing	109
035-A11052	DESIGN AND SIMULATION ANALYSIS FOR MAIZE STUBBLE HARVESTER Yang ChuanHua Ge YiYuan Wang JunFa* Wei TianLu	113
037-A11055	NEW''DEVELOPMENTS'OF'AGRICULTURE'INFORMATION'CONSTRUC TION IN HEILONGJIANG PROVINCE Hai Yang, JunFa Wang1*, TianLu Wei, WeiWei Sun	117
038-A11016	STUDY ON THE CHARACTERISTICS OF GAS JET FOR ENGINE USING HIGH SPEED PHOTOGRAPHY Geng Duanyang, Dong Yuebo, Zhang Qingfeng, Li Dan	120
039-A11058	POSITION ESTIMATION METHOD FOR AGRICULTURAL FIELD ROAD M. Li, Zh.H. Liu, J.A. Huang, S. H. Dai, W. Weng, K. Imou	126
040-A11059	EXPERIMENTALSTUDY ON FLEXURAL MECHANICAL PROPERTIES OF CORN STALKS Qin Tongdi, Li Yaoming, Chen Jin	130
041-A11062	COLD-PRESSED OIL EXTRACTION OF CAMELLIA SEEDS Li Shilong, Liu Xiefang	135
043-A11067	IMPACT'OF'ROLLER'SHELLER'PARAMETERS'ON'THE'CHARACTERIST ICS OF THE LOAD Ruan Jing-lan, Cheng Xiang-fa	139
044-A11070	INTELLIGENT DESIGN OF HAND-HELD COLOR MEASUREMENT INSTRUMENT FOR LEAF AND PETAL Wei Zheng, Yunwei Zhang	144
045-A11071	EXPERIMENTAL RESEARCH ON CUTTING FORCE AND CUTTING PARAMETERS OF TETRAPLOID BLACK LOCUST Yuan xiangyue, Chen Zhongjia	146
046-A11056	STUDY AND APPLICATION OF SEED-COATING Hai Yang, JunFa Wang*, TianLu Wei, WeiWei Sun	150
047-A11072	STUDY ON RELIABILITY OF ZH1110 DIESEL ENGINE Anjie Yang, Jianwei Yang	153
049-A11074	THE'STRAW'COMPRESSION'MOLDING TECHNOLOGY APPLICATION ANALYSIS Wei Gao, Qingyu Liu, Rongfei Zhao, MOONKI JANG	156
051-A11081	HIERARCHICAL MECHANISM OF STORAGE AND ERROR CONTROL FOR WIRELESS MOISTURE SENSOR NETWORK Kehui Xiao, Xiwen Luo, Deqin Xiao, Jian Chen	159

052-A11082	FLEXIBLE MEMBRANE-TYPE FRUIT TREE SIMPLE FACILITY WITH WINDPROOF AND WATERPROOF Wang Jiaofei, Wang Shuangxi	163
053-A11083	VARIABLE-DIAMETERMOBILEPLATFORMCHASSISCHARACTERIS TICS ANALYSIS Yao Xiaojiang, Xu Guoyan, Gaofeng, Cui Ying	166
054-A11084	DESIGN'AND'SIMULATION'OF'IMPEDANCE MEASUREMENT SYSTEM FOR BIOSENSORS Liu Yang, Wang Tao, Wu Haiyun, Zuo Yueming	170
055-A11085	RESEARCH ON THE DETECTED TECHNOLOGY OF COTTONSEEDS BASED ON IMAGE RECOGNITION Li Jing-bin, Zhu Jiang-li, Shao Lu-hao, Tian Xu-shun, Kan Za	176
056-A11086	STUDY ON DURABILITY TEST BENCH OF THE AUTOMOTIVE ELECTRIC HORN Weibin Wu, Tiansheng Hong, Luoshi Liu, Chuwen Chen,Pei Zeng, Zhixiong Zeng	180
057-A11096	VIRTUAL EXPERIMENT ON MATERIAL FLOW SIMULATION FOR WHOLE STALK SUGARCANE HARVESTER Fu-xiang Xie, Qing-ting Liu, Ying-gang Ou, Chun-zheng Wang	185
058-A11098	BIONIC DESORPTION & DAMP-TINY MATERIAL SCREENING TECHNOLOGY AND THEIR USE IN RAPE CLEANING Ma Zheng, Li Yaoming, Xu Lizhang	189
059-A11107	THE DESIGN OF THE 3D MODEL OF STRAIGHT BEVEL GEAR YuCuifang, LuLu	194
060-A11103	SIMULATION OF THE CHARACTERISTIC OF WIND TURBINE BASED ON DC MACHINE LIU Min-dan, Shen Luocheng, Zhang hongjun	197
061-A11006	THE APPLICATION AND ANALYSIS ON THREE DIFFERENT CURRENT COMPENSATION METHODS USED IN TRANSFORMER DIFFERENTIAL PROTECTION Bin Zheng, Jie Zhang	200
064-A11076	EXPERIMENTAL RESEARCH ON HYDRO-JET SEED DEVICE <i>Yang Shandong</i>	207
065-A11017-1	THE STUDY AND APPLICATION OF CORN STRAW ORGANIC GROWING SUBSTRATE IN ORNAMENTAL NURSERIES Xiaojuan Liu, Chuang Li, Ruzhen He, Qiusheng Yang	212
068-A11066	EXPERIMENTAL STUDY ON AREODYNAMIC PROPERTY AND BROADCASTING SOWING OF SPROUTED RICE SEEDS Song Yuqiu, Xin Mingjin, Ren Wentao, Hu Yanqing, Li Baofa	216

070-A11044	APPLICATIONS'OF'MECHATRONICS'TECHNOLOGY'IN'DEASTRINGEN CY OF FRESH PERSIMMON FRUIT Li Yanrong, Wang Aimin	219
074-A11096-1	REALISTIC MODELING 3D ARCHITECTURE OF TOMATO PLANT UNDER'ENVIRONMENTAL'FORCES'AND SYSTEM IMPLEMENTATION Ding Wei-long, Jin Hu-jun, Xu Zhi-fu	224
075-A11038	THE MODEL AND KINEMATICS SIMULATION OF THE NEW- STYLE CONVEYOR WITH BELT AND RAKES Zhang Fu, Fu Sanling, Zhang Guoying	228
084-A11078	COLOR RESEARCH ON CORN COMBINE HARVESTER Zhao Na, Diao Huailong	232
086-A11079	A DESIGN OF HIGH-FREQUENCY ISOLATION GRID-CONNECTED PV INVERTER Xifei Cao, Weiqiang Zhang, Jing Hu, Qun Deng	236
087-A11080	GRID-CONNECTED SOLAR MICROINVERTER REFERENCE DESIGN Xifei Cao, Weiqiang Zhang	239
088-A11088	NUMERICAL'SIMULATION'OF'ELASTOHYDRODYNAMIC'LUBRICATI ON BASED ON EVANS-JOHNSON MODEL Jianping Liu, Xinyi Zhang, Yan Xu	244
094-A11100	THE'STUDY'OF'ELECTRORHEOLOGICAL'DAMPERS'OF'THE'AUTOMO BILE SUSPENSION FOR OPTIMAL CONTROL Song Zuojun	248
098-A11111	THE IMPROVEMENT STUDY OF INVOLUTES PROFILE TYPE ROTOR PROFILE IN ROOTS VACUUM PUMP Wang Shujun, Li Haiyang, Zhao Yugang, Hu Liu, Li Wei	251
098-A11112	STUDY OF JUDGEMENT METHOD ON TRANSFER TYPE OF TOOL RADIUS COMPENSATION Wang Shujun, Hu Liu, Zhao Yugang, Li Haiyang, Li Wei	254
098-A11114	EXPERIMENT STUDY OF REAL-TIME RECOGNITION OF WEEDS IN COTTON FIELD BASED ON DSP Yin Dongfu, Chen Shuren, Pei Wenchao, Zhou Xiang, Chen Zujue	258
100-B11007	TEMPERATURE CALIBRATION OF CAPACITANCE PROBES TO MEASURE SOILLESS SUBSTRATE WATER LIU Zhi-gang, LI Ping-ping, HU Yong-guang, ZHANG Xi-liang	263
101-B11106	STUDYON LOW-CARBON TECHNIQUE OF MAIZE MECHANIZATION AND ITS DEVELOPMENT TENDENCY IN HUANGHUAIHAI PLAIN Du Ruicheng, Zhengchao, Yang Zidong	266

102-B11057	HYPERSPECTRAL REMOTE SENSING ESTIMATION MODEL FOR RAPE MOISTURE CONTENT UNDER DIFFERENT LEVELS OF WATER STRESS Zhang Xiaodong, Mao Hanping, Zuo Zhiyv, Sun Jun, Gao Hongyan	272
103-B11012	EFFECTS OF DIFFERENT NUTRIENT SOLUTION CONCENTRATION ON THE GROWTH AND DEVELOPMENT OF CUCUMBER IN GREENHOUSE Ma Wanzheng, Mao Hanping, Hu Jing, Ni Jiheng, Li Zhongfang	277
104-B11015	EFFECTS OF WATER STRESS AT DIFFERENT GROWTH STAGE ON GREENHOUSE MULTIPLE-TRUSSES TOMATO YIELD AND QUALITY Feng Wang, Taisheng Du*, Rangjian Qiu, Pingguo Dong	282
105-B11016	DISCUSSIONONSTRENGTHENINGCOSTMANAGEMENTINAGRICUL TURAL AND FORESTRY SMES Shen Hongyi, Pan Huanxue	288
106-B11018	DYNAMICMECHANISMDESIGNOFEXTENDINGHEALTHYBREEDING IN THE PIG INDUSTRY SHAN fubin, LU fengjun, WANG gangyi	293
107-B11045	EFFECTS OF A BIOFERTILIZER FROM DOMESTIC WASTE ON AMARANTHUS CULTIVATION Wu Jin-Chao, Huang Guang-Rong, Xia Xiao-Ming	297
108-B11019	STUDY ON COMPENSATORY EFFECTS OF TWO DIFFERENTIAL GENOTYPIC MAIZE IN WATER STRESS AND RE-WATERING DURING FILLING STAGE Yan Yongluan, Bai Qingjun, Wang Chuntang, Huang Juan, Yin Hongtao, Shi Wenlong	301
109-B11025	EFFECTS OF DEFICIT IRRIGATION AND PLANTING MODES ON LEAVES' WATER PHYSIOLOGICAL CHARACTERISTICS AND GRAIN YIELD OF WINTER WHEAT Li Quanqi, Chen Yuhai, Zhou Xunbo, Yu Songlie	305
110-B11003	DRIVING FORCE CHARACTERISTIC UNDER DIFFERENT LAND USE WAYS SLOPE SHEN Zhenzhou; YAO Wenyi; LI Zhanbin; XIAO Peiqing; LI Mian; YANG Jishan	309
111-B11066	RESEARCHANDDEVELOPMENT PROGRESS OF PHELLINUS BAUMII PILAT Cai Chenggang, Jiang Xinlong*	314
112-B11034	DETERMINATION ON THREE EQUILIBRIUM PARAMETERS IN MODEL ON WINTER WHEAT PHOTOSYNTHATE DISTRIBUTION AND TRANSFORMATION Li Yan, Wang Yang-ren	318

113-B11031	APPLICATION'STUDY'OF'CIRCULATING'AGRICULTURAL'ENGINEERI NG TECHNOLOGY WANG Chuntang, BAI Qingjun, SUN Mingxia, JI Xiaopei	323
114-B11035	CHEMIGATION BY BYPASS FLOW ACROSS THE PIPE BEND DEVICES WITH AND WITHOUT DIFFERENT CRESTS Jie Sun, Bao-Zhong Yuan*	327
115-B11036	RESPONSE OF MUSKMELON TO DRIP IRRIGATION WATER INSIDE A PLASTIC GREENHOUSE Yi-Jie Li, Bao-Zhong Yuan*, Zhi-Long Bie	333
116-B11036-1	RESEARCH'ON'INVERSION'OF SOIL WATER DYNAMIC PARAMETERS BY FIELD SOIL MOISTURE CONTENT Wang Yang-ren, Li Yan, Sun Shu-hong, Zhou Qing-yun, Han Na-na	338
117-B11037	THE EFFECT OF IRRIGTION ON WATER CONSUMPTION AND YIELD OF COTTON UNDER DRIP IRRIGATION IN SALINE LAND Li Sha,He Xin-lin	344
118-B11038	A REVIEW OF NEAR INFRARED SPECTROSCOPY IN THE ANALYSIS OF LIVESTOCK AND POULTRY MANURE AND COMPOST IN CHINA Guangqun HUANG and Lujia HAN*	349
119-B11041	EFFECTS OF CONTROLLED IRRIGATION ON THE YIELD AND WATER USE EFFICIENCY OF RICE IN COLD REGION Wang Bin, Zhang Enjiang, Fuqiang	354
120-B11042	THE EXPERIMENT'S TUDY'ON'THE SOIL INFILTRATION'CHARACTERI STICS OF FENXI IRRIGATED AREA IN SHANXI PROVINCE Yuan Lin-Hu Fan Gui-Sheng	358
120-B11096	BIOGAS FERTILIZER CARRYING CAPACITY OF A TURFGRASS-SOIL SUBSURFACE INFILTRATION SYSTEM ZHENG Miaozhuang, HU Lin, WU Daoming, CHEN Shanping, CUI Jianyu.	362
121-B11044	COMPARISON OF CALCULATIONS FOR CROP TRANSPIRATION Zhou Qing-yun, Wang Yang-ren, Sun Shu-hong	367
122-B11009	INFLUENCE OF TRANSPLANTATION TIME ON COTTON GROWTH AND YIELD UNDER SUBSURFACE DRIP IRRIGATION WANG Zhen-hua, LEI Cheng-xia	372
123-B11046	RESEARCH OF FLOW ADAPTIVE FUNCTION AND STRUCTURE DESIGN FOR SUBSURFACE DRIP IRRIGATION EMITTER FENG Jun-jie,FEI Liang-jun,DENG Zhong,ZHAI Guo-liang,LIU Yang,ZHAO Hong-shu	377
124-B11047	EFFECTS OF CONSERVATION TILLAGE ON SOIL, WATER LOSS AND CROP YIELD ON SLOPING LAND IN BEIJING, CHINA XIAO Bo, WANG Qinghai, YU Dingfang	382

125-B11049	CROP GROWTH SIMULATION OF WINTER WHEAT WITHOUT SOIL MOISTURE AND NUTRIENT STRESS Ye Lantao, Wang yangren	386
126-B11050	GREY'GROUP'MODEL'FORECASTING'IN'THE FIELD OF APPLICATION OF THE AGRICULTURAL ECONOMY Liu Nan	391
128-B11052	STUDY ON VALUE CREATION AND TECHNOLOGY SUPPORT OF AGRICULTURAL PRODUCT BRANDS ZHANG Bei, WEN Xiao-wei, DIAO Li-lin	395
129-B11053	SIMULATION'AND'VERIFICATION'OF'TWO-DIMENSIONAL'NUMERIC AL SIMULATION MODEL OF SOIL WATER INFILTRATION UNDER STRAW MULCH WANG Ke-xin, FU Qiang, WANG Zhong-bo, WU-Qiong	399
130-B11054	EFFECTS'OF'ADDED'TO'COMPLEX'FUNGI'ON'MICROBIALCOMMUNIT Y OF COMPOST IN ASSESSED BY PCR-DGGE TECHNIQUES Jing Wang, Xiuhong Xu	404
131-B11055	IDENTIFY OF RICE RESISTANCE TO BLAST (MAGNAPORTHE GRISE) WITH SSR MARKERS Yao Nan, Luo Ancai, Li Xianyong, Jiang Xiaoying, Zhao Zhengwui	409
132-B11056	RESEARCH ON REGIONAL ECOLOGICAL AGRICULTURAL SUPPLY CHAIN Yang Fang, Bian Yijie	414
133-B11028	STUDY ON COMPENSATION EFFECTS OF NITROGEN NUTRITION AND WATER STRESS IN THE YIELD OF SOYBEAN CHU Li-Li, WANG Xiao-Feng, ZHENG Li-Na	420
134-B11011	WINDBREAKANDTRANSFORMATIONOFECOLOGICALCOMPENSAT ION SYSTEM CONSTRUCTION Shen Hongyi, Pan Huanxue, Yang Jun	424
135-B11032	STUDY ON THE EFFECT OF WATER-STORAGE IRRIGATION TECHNOLOGY IN KORLA FRAGRANT PEAR PLANTING Deng Zhong, Feng Junjie, Zhai Guoliang,Liu Yang,Zhang Wenzheng	432
136-B11058	APPLICATION PARTIAL LEAST SQUARES REGRESSION IN THE ANALYSIS OF MAIZE REGULATED DEFICIT IRRIGATION Wang Bai, Li Fanghua, Huang Yan, Teng Yun	437
137-B11063	OPTIMIZED DESIGN OF HOT AIR PIPE IN GREENHOUSE BASED ON CFD TECHNIQUE Chen Jiaoliao, Xu Fang, Yang Jiangxin, Ai Qinglin	441
138-B11029	STUDY ON WATER-DEMAND REGULARITIES AND WATER USE EFFICIENCIES OF RICE UNDER PAPER MULCHING LIU Cuihong, REN Wentao(*corresponding author)	446

139-B11067	THE STUDY OF INFLUENCE ON WATER-SALT TRANSPORTATION UNDER SALINE DRIP IRRIGATION Jia Wenjun, He Xinlin	450
140-B11074	EFFECT OF VENTILATION RATE ON LITTER COMPOSTING IN POULTRY RAISING Huo Peishu, Li Ji*	455
141-B11076	AN'EXPERIMENTAL'STUDY'OF'THE'ANTI-BLOCKING PERFORMANCE OF ZIPPERED PLASTIC PERCOLATION IRRIGATION PIPES AND THE PRECAUTIONS AGAINST THE BLOCKAGE IN PIPES Wang Zhong-bo, Ren Yue-shu	460
142-B11079	EFFECT OF STOCKING DENSITY ON LITTER COMPOSTING IN POULTRY RAISING Huo Peishu, Li Guoqiang, Li Ji	463
143-B11083	THE SEARCHER OF SOIL SALINITY MIGRATION BYLONG-TERM USE OF DRIP IRRIGATION Liu Hongguang, Zheng Xurong, He Xinlin, Wang Yaqin	469
144-B11092	QUANTITATIVE 'ANALYSIS' IN' REGULATION' EFFECTS' OF' WATER-FER TILIZER IN SEMI-ARID FARMLAND Wenlong Li, Jing Xu, Zhiguang Liu, Zizhen Li	474
145-C11001	ROLES OF BIOMASS-DERIVED BLACK CARBON IN SOIL AND ENVIRONMENT ECOSYSTEM: A REVIEW Zhang Weiming, Chen Wenfu, Meng Jun, HuangYuwei	478
146-B11001	THE FUZZY COMPREHENSIVE ASSESSMENT ON HEAVY METAL POLLUTION OF FARMLAND SOIL IN LINZI LI Meng-hong*	486
147-B11006	ADVANTAGES'AND'PROBLEMS'OF'DEVELOPING'PIPELINE'TRANSPOR TATION WATER IRRIGATION TECHNOLOGY IN XINJIANG WEI Chuang, LI Ming-si	492
148-B11008	ANALYSIS ON THE ENERGY CONSUMPTION IN TYPICAL COLD REGIONS OF NORTH CHINA Lai Yanping, Wei Fan , Zhang Zhigang , Zhang Lilu	496
149-B11013	NEW'URBAN'DEVELOPMENT'OF'BEIJING'S'REAL'ESTATE'DEVELOPM ENT LEVEL OF THE FUZZY CLUSTERING ANALYSIS LUO TING-ting, GAO XIAO-wei	500
150-B11017	ANALYSIS OF THE DEVELOPMENT OF LOW-CARBON ECONOMY IN TIBET Yansong Wu	505

151-B11108	INNOVATIO'AND'PRACTICE'ON'TRAINING'MODE'OF'POSTGRADUATE S'IN'SUBJECT'OF'AGRICULTURAL ENGINEERING ORIENTED REGION ECONOMIC DEVELOPMENT Yang Zidong, Wang Xiangyou, Du Ruicheng	511
153-B11022	RESEARCH OF GREEN DEVELOPMENT PATTERN FOR CHINA LISTEDAGRICULTURALCOMPANIESAIMINGATTHECORPORATION MAJOR IN PESTICIDE AND FERTILIZER WITH AHP Xu Jun, Jiang Huiming	516
156-B11030	ENERGY-SAVING DESIGN STRATEGY OF RURAL RESIDENTIAL BUILDING IN TIANJIN AREA Wang Changfeng, Ren Shengfeng, Zhao Guomin, Fan Guoqiang	522
157-B11033	THE EXCITATION OF FERTILIZATION TO COMPENSATION EFFECTS REWATERING AFTER DROUGHT AT RICE TILLERING STAGE Shurong HAO, Xiangping GUO	528
158-B11039	STUDY ON SUBSTRATES SELECTION FOR CONTAINER SEEDLING BREEDING OF PLATYCLADUS ORIENTALIS CAO Bing, HOU Jianan, SONG lihua	532
159-B11040	RECLAIMING BIOENERGY FROM ALCOHOL WASTEWATER BY UPFLOW ANAEROBIC SOLID REACTOR PROCESS AND HIGH VALUE USE OF BIOGAS LIU Jianguang, ZHANG Chunyang, ZHANG Guanglan, GAN Hainan	537
161-B11059	PREPARATION AND PROPERTIES OF SHAPE-STABILIZED HEAT STORAGE PHASE CHANGE MATERIALS IN SOLAR GREENHOUSE Chen Minghui, Cheng Liyuan, Ma Feng, Liu Leili	540
162-B11060	RESEARCH'ON'THE'IMPROVE'DEFFECT'OF'GRASSLAND'DESERTIFIC ATION SALINITY-ALKALINITY BY VIBRATION DEEP LOOSENING INTEGRATION TECHNOLOGY Huang Yan, Si Zhen jiang, Teng Yun, Wang Bai	545
163-B11061	THE CHARACTERISTICS AND INFLUENCING FACTORS ANALYSIS FOR HEAVY METALS IN VEGETABLES QINGDAO DISTRICT Zhang Chun-rong, Gao Zong-jun, Pang Xu-gui	552
164-B11062	PRELIMINARY INVESTIGATION OF THE SPATIAL VARIABILITY OF SOIL INFILTRATION INDEXES ZHENG Li-ping, GUO Jian-qing, LIU En-min	558
165-B11064	MODELING AND SIMULATING FOR ENRICHMENT OF NITRIFYING BACTERIA BY REJECT WATER TO ENHANCE NITRIFICATION IN WASTEWATER TREATMENT Ping Fang, Qiong Wan, Lifang Yu, Dangcong Peng	563
166-B11068	SPATIO-TEMPORAL EFFECTS ANALYSIS OF GRAIN YIELD ON COUNTRY LEVEL IN SHANDONG PROVINCE	567

Yang Yujian, T	Tong Xueqin
----------------	-------------

167-B11069	THE APPLICATION OF AIR SOURCE HEAT PUMP ASSISTING SOLAR LOW-TEMPERATURE FLOOR HEATING SYSTEM IN THE CONSTRUCTION OF NEW COUNTRYSIDE Cao Hui, Liao Qiuyang	571
168-B11070	STUDY OF CONSTRUCTION AND DEVELOPMENT TECHNICAL FRAMEWORK IN IRRIGATION DISTRICT BASED ON LOW CARBON ECONOMY DEVELOPMENTAL MODELS Zhang Qinghua, Li Quanqi, Bai Qingjun, Wang Chuntang	575
170-B11072	EFFECTOFCO2CONCENTRATIONONSUGAR-FREEMICROPROPAGA TION OF CHRYSANTHEMUM SONG Yue-dong, MA Ming-jian	580
171-B11073	STUDY ON INFLUENCE RELATIONS OF THE SOIL WATER DEFICIT IRRIGATION TO RICE LEAF AREA AND EVAPOTRANSPIRATION IN BLACK SOIL AREAS OF COLD REGION Li Fang-hua, Sun Yan-ling, Yin Gang-ji, Cai Ti-jiu	583
172-B11075	RESEARCH ON MOIST SOIL INFILTRATION LAW IN COASTAL REGIONS OF TIANJIN Han Nana, Wang Yangren, Sun Shuhong, Lou Guangyan	590
173-B11077	AN EXPERIMENTAL STUDY OF THE INFUENCE OF MOISTURE FERTILIZER EFFECT ON SOYBEAN YIELDS Wang Zhongbo ,Zhang Zhongxue	594
174-B11078	CALIBRATION STUDY OF MOISTURE PRODUCTION PARAMETERS MODEL BASED ON NEURAL NETWORK BY LM ALGORITHM Liu Ling, Zhao Yong-zhi, Wang Lei, Wang Yang-ren	600
175-B11080	ANALYSIS OF WATER USE EFFICIENCY AND BENEFIT OF WINTER WHEAT UNDER DIFFERENT WATER AND FERTILIZER COUPLING Li Songmin, Wang Yangren, Chen Pusheng	605
176-B11081	CHANGES OF ACTIVE SOIL ORGANIC CARBON UNDER DIFFERENT GROWING STAGES OF CHINESE FIR PLANTATION Zhang Jian, Sui Yan-hui	609
178-B11082	STUDY ON COMBINATION OF REMOTE SENSING DATA AND ALMANAC MODEL TO RETRIEVE CROP YIELD Sun Yan, Zhang Shunqing	613
179-B11084	EFFECT OF DIFFERENT LEVELS OF GUANO AND UREA ON YIELD AND DEVELOPMENT OF KALE Qu Shisong	617
180-B11085	RESEARCH'PROGRESS'ON'CORN'STARCH'WASTE'WATER'TREATMENT PROCESS ZHANG Chunyang, ZHANG Congju, LIU Jianguang, HAN Lichao	620

181-B11086	RESEARCH'ON'OPERATION'MODE'OF'JIANGXI'GREEN'AGRICULTURA L PRODUCTS CLOSED SUPPLY CHAIN Yang Fang	626
183-B11089	RESEARCH ON INFLUENCE FACTORS AND PREDICTION MODEL OF TRANSPIRATION INTENSITY OF SEMILATE RICE AT NONE-WATER LAYER OF PADDY Shouhua Cai, Jianghui Zhao, Shuyuan Zhu	630
184-B11090	STUDY ON CUMULATIVE FUNCTION OF SENSITIVE INDEX FOR WINTER WHEAT JIN Jian-hua, WANG Yang-ren, SUN Shu-hong, HAN Na-na	634
185-B11091	'GREEN'CONCEPTIONS IN MANUFACTURING MA Jin-ying	639
186-327-D11013	THE IMPACT OF WATER QUALITY ON BEER FERMENTATION Zhaochunhai	643
187-B11097	SCALING OF CUMULATIVE INFILTRATION CURVES USING PEDOTRANSFER FUNCTIONS Ali Rasoulzadeh, Mahsa Fatemi	646
188-332-D11125	COMPARATIVE RESEARCH ON TWO KINDS OF AMPEROMETRIC IMMUNOSENSOR FOR DETECTION OF CARBOFURAN RESIDUES Shuyuan Du, Xia Sun, Xiangyou Wang	651
189-B11098	MODELLING OF EVAPOTRANSPIRATION AND CROP COEFFICIENT OF COTTON IN NORTHERN XINJIANG FAN Hua , WANG Kai-Yong , MA Fu-Yu , ZHANG Wang-Feng , ZHANG Feng-Hua	655
190-B11099	THE INTERFERENCE OF FOREIGN LANGUAGE ANXIETY IN THE READING COMPREHENSION OF AGRICULTURAL ENGINEERING STUDENTS WANG Yao, LI Jingna	660
191-B11110	DISTRIBUTION OF SOIL ORGANIC CARBON AND TOTAL NITROGEN OF THE CULTIVATED LAYER UNDER DIFFERENT TILLAGE PRACTICES Xuekun Hou, Yaolei Wang, Siwei Jiang	664
191-B11112	MONITORING THE ACUTE AND SUBACUTE TOXICITY EFFECTS OF HERBICIDE ACETOCHLOR BY BACTERIVOROUS NEMATODE Jingnan Zhang, Siwei Jiang, Min Zhang, Xia Wu	669
191-B11115	THE ECLECTIC APPLICATION OF COMMUNICATIVE APPROACH TO ENGLISH LANGUAGE TEACHING IN AGRICULTURAL ENGINEERING CLASS Taoxinhui	673

191-B11116	ON THE NECESSITY OF COOPERATIVE LEARNING FOR THE STUDENTS' SPECIALIZED ENGLISH LEARNING IN SCHOOL OF AGRICULTURAL AND FOOD ENGINEERING Yang Ning	677
191-328-D11121	STUDY ON EFFECTS OF DRYING CONDITIONS ON THIN-LAYER DRYING OF MAIZE Wang shijun,Shi xuejun	681
191-331-D11124	STUDIES ON THE CELLULASE PRODUCTION USING CORNCOB RESIDUE FROM XYLOSE MANUFACTURE BY TRICHODERMA SP.B-8 AND THE CHARACTERIZATION OF THE CELLULASE Guifu Daia, Jian Wub, Xiaodong Qin, Songyang Lin; Yinlong Song, Weichi Liu, Xiaomin Fang; Huiqin Shi, Jianlu Ma, Zhiwen Jiang,	684
191-326-D11118	STUDY ON ADSORPTION EFFECT OF MESOPOROUS MOLECULAR SIEVE SBA-15 Diao Xiang	688
192-C11012	KINETIC ANALYSES OF ALGAE PYROLYSIS Jinxing Peng, Zhihua Fan, Beibei Yan, Junfei Li, Xiao Yang, Guanyi Chen	692
193-C11013	STUDY ON THE USE OF ALTERNATIVE FUEL MADE FROM WASTE VEGETABLE OIL IN THE DIESEL ENGINE WANG Yan-yao, SHANG Shu-qi	696
194-C11021	IMPROVING SEASONAL ENERGY EFFICIENCY RATIO FOR BIOGAS AIR CONDITIONER Zhenjun Xu	702
195-C11023	THEORETICAL PREDICTIONS AND EXPERIMENTAL STUDIES ON BIOGAS INTERCHANGEABILITY Wanneng DAI, Chaokui QIN, Zhaojian LU, Chao GUO	706
196-C11026	EXPERIMENTAL STUDY ON CO-GASIFICATION OF BIOMASS AND GLYCEROL	710
198-C11028	Lixia Zhao, Guanyi Chen*, BeiBei Yan, Zhengwei Long SOLAR DRYING FOR AGRICULTURAL PRODUCTS IN CHINA Zhang Yanlai, Zhang Minglong, Zhang Hong, Yang Zhandong	715
202-C11004	DEVELOPMENT SITUATION AND TREND ANALYSIS OF RURAL CLEAN ENERGY IN GANSU PROVINCE YANG Hongxing, LIANG Chuan	720
203-C11014	TREATING STARCH WASTEWATER RECLAIM BIOENERGY BY EGSB PROCESS AND HIGH VALUE USE OF BIOGAS LIU Jianguang, ZHANG Chunyang, ZHANG Guanglan, GAN Hainan	726
204-C11015	APPLICATION EFFECT OF BIOCHAR ON RICE Zhang Weiming, Chen Wenfu	731

205-C11017	COMPARISON OF THE PHYSICAL-CHEMICAL PROPERTIES OF CORN STALK BY EXPANSION AND CHEMICAL PRETREATMENTS AND THEIR EFFECT ON THE YIELD OF BIOGAS Gu shiyan, Xiong juyuan, Kou wei, Yi kuiyu, Zhao yong, Lun xiaozhong, Zhang dalei	737
206-C11018	DESIGN OF BIOMASS BRIQUETTING OPEN MOLDING SHAPING MACHINE WORKING IN NATURAL CONDITION AND HIGH PRESSURE ZHANG Haiying, YU Guosheng, YAN Wengang, LIU Xiaohu	742
207-C11019	EFFECT OF FERMENTATION CONDITIONS ON ACTIVITY OF CELLULASE PRODUCED BY TRICHODERMA VIRIDE CE-1 Liu Qingyu, Wang Xiaowei	747
209-C11022	MODEL AND PERFORMANCE FOR DIRECT SUPPLYING ENERGY SYSTEM BY BIOGAS Xu Zhenjun	751
211-C11011	PREPARATION OF SOYBEAN STRAW CARBON BY MICROWAVE METHOD Zhong Xu,Zhuo Wang	755
213-D11104	TECHNOLOGIES OF POST-HARVEST HANDLING AND STORAGE FOR LONGAN FRUITS Lin Hetong, Lin Yifen, Chen Yihui, Kong Xiangjia, Zhang Junian	758
214-D11105	THE'EFFECT'OF CONTROLLED ATMOSPHERE STORAGE ON AROMA COMPONENTS OF HAMI MELON Cunkun Chen, JiaNing, Wensheng Wang, Hongyan Wang	764
215-D11015	THE'RESEARCH'AND'APPLICATION'OF'EDIBLE'COATING'PRESERVATI ON Wang xiangyou, Yan congcong, Liu zhanli	769
217-D11043	QUALITY ANALYSIS OF WHEAT BASED ON BP NEURAL NETWORK AND NEAR INFRARED REFLECTANCE SPECTROSCOPY Liu Hexiao, Liu Mingliang, Sun Laijun, Qian Haibo, Li Wenbo, Wang Lekai, Dai Changjun	775
218-D11117	NONDESTRUCTIVE ASSESSMENT OF BEEF-MARBLING GRADE USING HYPERSPECTRAL IMAGING TECHNOLOGY Yongyu Li, Jiajia Shan, Yankun Peng, Xiaodong Gao	779
219-D11023	DEGRADATION KINETICS OF VITAMIN C IN CHINESE JUJUBE DURING DRYING PROCESS Liu Kun, Lu Zhoumin, Yan Zhongxin1, Zhao Jiaqi, Jiao Wenyue, Li Xingang	784
220-D11114	EFFECT OF OZONATED ICE TREATMENT ON POSTHARVEST PHYSIOLOGY AND BIOCHEMISTRY OF LENTINULAEDODES Yuanhui Gao, Cunkun Chen, Wensheng Wang, Chenghu Dong	789

221-D11106	STUDIES ON COMBINED HOT-AIR AND MICROWAVE VACUUM DRYING OF LITHI PULP Chen Yihui, Li Huil, Lin Hetong, Wang Shaoqing, Yuan Fang, Lin Yifen	793
222-D11100	MODEL OF AIR IMPINGEMENT DRYING ON LINE PEPPER Zhang Qian,Gao Zhenjiang, Yang Xuhai, Xiao Hongwei,Lou Zheng,Bai Junwen,Meng Fanbi	797
223-D11099	RESEARCH'ON'THE'DETERMINATION'TECHNOLOGIES'OF'FORMALD EHYDE IN FOODS Jiang Donghua	802
224-D11098	STUDY'ON'COMPLEX'TD'CORRECTION'AND'COLE-COLE'PARAMETER S FOR THE IMPEDANCE OF IMMUNOBIOSENSOR Wu Haiyun, Zuo Yueming, Wei Fengchan, Zhao Nan, Wu Haiping, Song Haiyan, Gu Shaopeng, Wang Xiaowen, Zhang Jintong	806
225-D11097	SAMPLE PREPARATION METHODS FOR MULTIRESIDUE ANALYSIS OF PESTICIDES BY GC/MS IN VEGETABLES Ji Shujuan	810
226-D11096	STUDY ON WINGED BEAN MILK Jinsong Yang, Haisheng Tan	814
227-D11095	INTEGRATION OF SEPARATION AND COORDINATION REACTION OF K+ IN SUGAR-MAKING MOTHER LIQUOR B ON ION-EXCHANGE CHROMATOGRAPHY COLUMN Si-Ming Zhu,Shu-Juan Yu	818
228-D11093	STUDIESONSULFATEDMODIFICATIONOFCORDYCEPSPOLYSACCH ARIDE ZHAO Jun, WU Shu-qing,LIU Bing-xu	824
233-D11116	EFFECTS OF DIFFERENT STIMULATION ON TENDERNESS OF BEEF CARCASSES JIANG Ying-hong, WANG Shu-cai, MA Mei-hu	827
234-D11120	RESEARCH ON THE KELP, JOB'S TEARS, AND CELERY COMPOUND BEVERAGE Qilong Shi, Ya Zhao	831
235-D11107	DETERMINATION OF CARBONHYDRATES IN EXTRUDED RICE BY USING HPLC Shanfeng, Chen; Yuejin, Ma; Dechao, Shen; Shanfeng, Chen	837
237-D11086	A'PIEZOELECTRIC'TRANSDUCER'FOR'BACTERIA'COUNTS'MONITOR ING'THE'APPLICATION'OF'PIEZOELECTRIC TRANSDUCER ON FOOD DETECTION Jiali Ren,Jian Chen	841

238-D11085	A PPY/PT FOR ASSAYING L-ASPARAGINASE ACTIVITY IN PROTEUS VULGARIS THE CONSTRUTION AND APPLICATION OF THE PIEZOELECTRIC TRANSDUCER Jiali Ren, Zhenhua Liu	845
239-D11083	SUBSTANCE'OF'GREEN'WASTE'COMPOST'ADDING'BAMBOO'VINEGAR AS'GROWTH'STIMULATOR'FOR'CALATHCA'ROTUNDIFOLA'CV.FASCI ATA Yun Tian, Xiangyang Sun, Jixin Cao, Lü Zhang, Baozhu Zhang	849
240-D11081	THE ANALYSIS OF ODOR CHARACTER OF COOKED SILVER CARP MUSCLES USING GAS CHROMATOGRAPHY-MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-OLFACTOMETRY Liu Jingke, Xiong Shanbai, Zhang Yuzong, Zhao Siming, Zhao Wei	853
241-D11080	INFLUENCE OF DIFFERENT HEATING TIME ON THE VOLATILE COMPOUNDSOFMILLETPORRIDGEBYGASCHROMATOGRAPHY-M ASS SPECTROMETRY Liu Jingke, Li Xingfeng, Zhao Wei, Zhang Yuzong	865
242-D11072	ENZYMATIC BROWNING AND ITS CONTROL DURING POTATO PULP POWDER PROCESSING WANG Ya, ZHAO Ping, ZHOU Shangzhen, LI Jiayin, HE Haining, SONG Qinglian	869
243-D11071	QUANTITATIVE ANALYSIS OF AMLODIPINE BESYLATE POWDER USING NEAR INFRARED SPECTROSCOPY COMBINED WITH PARTIAL LEAST-SQUARES Xiao-li LIU,Hua LI	874
244-D11070	EFFECTOFSOAKING ON THE QUALITY OF HOUSE-MADE SOYMILK Fu Xiangjin,Xia Shuqin	878
245-D11066	COMPONENTS ANALYSIS AND ANTIOXIDATION RESEARCHING FOR CAMELLIA PERICARP PHENOLS EXTRACTS ZHOU Bo, LONG Qizhi, CAO Qingming, GONG Jijun, ZHONG Haiyan	882
246-D11062	DYNAMIC DETECTION OF FRESH JUJUBE VARIETIES BASED ON LEAST SQUARE SUPPORT VECTOR MACHINES Zhao Conghui, Zhang Shujuan, Zhang Haihong, Zhao Yanru	888
247-D11058	THE EFFECT OF TEMPERATURE ON THE LIPID OXIDATION OF COIX SEED Fu Xiangjin, Dang Yali	892
248-D11057	THE EFFECTS OF AGRICULTURAL BY PRODUCTS ON THE FERMENTAT ION QUALITY OF STYLO SILAGES J.G. Zhang, Q.H. Liu, C.L. Shen, G.D. Li	896
249-D11055	DETERMINATION OF FREE AMINO ACIDS IN SHAANXI GLUTINOUS RICE WINE WITH NINHYDRIN POST-COLUMN DERIVATIZATION	900

250-D11005	PROFILE DIFFERENCES OF TRACE ELEMENTS IN VEGETABLES AND 'FRUITS' RESULTING FROM VARIOUS DIGESTION PROCEDURES Sun Chang-xia, Liu Hai-xue, Zhang Bo-lin, Wei Dong-sheng, Huang Liang, Wu Cheng-liang	905
251-D11007	CROSS-LINKING OF SOYBEAN PROTEINS BY TRANSGLUTAMINASE IN'THE'PRESENCE'OF GELATIN TO IMPROVE THEIR RHEOLOGICAL PROPERTIES Yi-Ning Zhang,Xin-Huai Zhao	910
252-D11008	EMULSIFYING'AND'GELATION PROPERTIES OF SOYBEAN PROTEIN ISOLATES MODIFIED BY TRANSGLUTAMINASE IN THE PRESENCE OF GLUCOSAMINE Shu-Juan Jiang, Xin-Huai Zhao	914
253-D11009	DEAMIDATION OF SOYBEAN PROTEINS WITH GLUTAMINASE TO IMPROVE THEIR RHEOLOGICAL PROPERTIES Dan Li,Xin-Huai Zhao	918
254-D11012	OPTIMUM PARAMETERS OF PREPARATION OF EPIDERMAL CELL PROTOPLASTS WITHIN THE ALLIUM CEPA L Hu Jing, Mao Hanpin, Ma Wanzheng, Han Lvhua	922
255-D11014	CONFORMATIONAND STABILITY OF THREE DIFFERENT ENZYMES ADSORBED ONTO SIO2 NANOPARTICLES Li Li, Hong-Hua Xu, Xin-Huai, Zhao Jian-Chun Han, Tie-Jing Li	925
256-D11021	PREPARATION'AND'CHARACTERIZATION'OF'SKIN'SECRETION'HYDR OLYSATES'FROM'GIANT'SALAMANDER(ANDRIASDAVIDIANUS) Min Qu,Liang Kong, Wenli Wang, Wei Li, Xinying Yu, Changqing Tong,Qiao Jin, Xuqiao Feng	931
257-D11024	INFLUENCE OF THE DEGREE OF ENZYMES HYDROLYSIS ON THE FORMATION OF RESISTANT STARCH Dan-Hong Xu, Hong-Hua Xu, Mei-Li Shao, Dan-Hong Xu	935
258-D11032	EFFECTS OF DRYING METHODS ON THE QUALITY PERPOTIES OF DEHYDRATION MUSHROOM He Xin-yi1, Liu Jin-fu, Cheng Li-li	941
259-D11033	EFFECTS OF POSTHARVEST HEAT TREATMENT ON THE FATTY ACID COMPOSITION AND CHILLING INJURY OF LOQUAT FRUITS DURING THE COLD STORAGE Yuxing SONG, Xingli LIAO, Xingfeng SHAO*	945
260-D11034	IN VIVO ANTIFUNGAL ACTIVITIES OF THE TEA TREE OIL VAPOR AGAINST BOTRYTIS CINEREA Sai Cheng, Xingfeng Shao	949

262-D11044	DETERMINATION OF ZELENY SUBSIDENCE VALUE OF WHEAT BASED ON NEAR INFRARED TRANSMITTANCE SPECTROSCOPY Liu Hexiao, Sun Laijun, Liu Mingliang, Qian Haibo, Xululu, Wang Lekai, Dai Changjun, Su Ping, MaYonghua	952
263-D11045	DETERMINATION OF WET GLUTEN IN WHEAT BASED ON WAVELET DE-NOISING AND PLS Liu Hexiao, Sun Laijun, Liu Mingliang, Qian Haibo, Li Wenbo, Wang Lekai, Dai Changjun, Zhao Naixin, Lan Jin	958
264-D11047	CHOOSING OF THE EFFICIENT HOT-DIP TREATMENT CONDITIONS FOR REDUCING DECAY OF MANGO RIPENING Teng Jianwen, Huang Li,Liu Ying, Wei Baoyao	963
265-D11048	SURFACE PROPERTIES AND STRUCTURE CHARACTERISTICS OF SOYBEAN PROTEIN ISOLATE BY LIMITED HYDROLYSIS Yu-Zhe Gao, Hong-Hua Xu, Lian- Zhou Jiang, Guo-Ping Yu	968
266-D11049	APPLYING CELLULASES TO IMPROVE THE FERMENTATION QUALITY AND NUTRITIVE VALUE OF ROLL BALE SILAGE MADE WITH RICE STRAW J.G. Zhang, Q.H. Liu ,I. Hattori, A. Yamada	972
267-D11050	EXTRACTION'OF'POLYSACCHARIDES'IN'LEAVES'OF'DENDROCALAM US LATIFLORUS BY CELLULASE DEGRADATION Liu Xingyong ,Ma Xie, Liu Huan, Zhou Fengli	975
268-D11052	GLUCOSINOLATES IN TEN CULTIVARS OF CHINESE KALE (BRASSICA ALBOGLABRA L.H BAILEY) SEPERATION AND IDENTIFICATION BY HPLC-PAD-ESI/MS LA Gui-xiao, LIU Guo-shun, FANG Ping	979
270-D11105-1	HOT-AIR DRYING CHARACTERISTICS AND KINETICS MODEL OF LITCHI PULP Li Hui, Lin Hetong, Yuan Fang, Lin Yife, Chen Yihui	984
271-D11112	RESEARCH'ON'CHANGES'OF'BIOCHEMICAL'INDEXES'OF'SCAPHARCA SUBCRENATA IN THE COURSE OF ITS LIFE-KEEPING TECHNIQUE Liu Hong-ying*, Zhang Hui, Li Li-na1, Qi Feng-sheng	989
272-D11103	EFFECTS OF HIGH VOLTAGE ELECTROSTATIC FIELD TREATMENT ON POST-HARVEST PHYSIOLOGY OF KIWIFRUIT Zhen Yifan, Rao Honghui	994
273-D11102	HPLC DETERMINATION OF RESVERATROL AND PICEID FROM CIRCASSIAN FRUIT WINE Ding Yong, Yang Hui	998
274-D11101	MENSURATING'QUANTUM'OF'THE'Γ-AMINOBUTYRICACIDINMULBE RRYLEAFAND BROWN RICE BY PAPER CHROMATOGRAPHY	1002

	Liu Shiwang, Zhu Suyan,Mao Jianwei, Zhang Zhensong, Huang Jun, Xiao gongninan,Wu Yuanfeng,You Yuru	
275-D11091	CHEMICAL'COMPOSITIONAL'CHARACTERIZATION OF TEN LITCHI CULTIVARS Wei Baoyao, Huang Li, Teng Jianwen, Jia Min	1007
276-D11001	MULTIRESIDUE METHOD FOR THE ANALYSIS OF PESTICIDE RESIDUES IN LEAFY VEGETABLES BY SUPERCRITICAL FLUID EXTRACTION AND CAPILARY GAS CHROMATOGRAPHY Yu Jichenga, Liu Qiua, Qi Xiaohuia, Guo Naifei	1012
277-D11002	SYNTHESIS'OF'ARTIFICIAL ANTIGEN AND STUDIED ON INFLUENCE FACTORS OF ELISA FOR CHLOROTHALONIL RESIDUE Guo Nai-fei, Ji Shu-juan, Yu Ji-cheng	1018
278-D11004	COMPARISON'OF'CALCIUM, COPPER, IRONANDZINCCONCENTRATI ONS IN PORK AND WILD BOAR MEAT Miao Zhiguo, Xie Hongbing, Li Guowang, Liu Chang zhong, Wang Rongqiang, Wei GangCai*	1022
280-D11011	RESEARCHONDETERMINATIONOFCLENBUTEROLANDSALBUTAM OL IN PORK BY SPE-HPLC Liu Caiyun, Wang Long	1024
282-D11015-1	RESEARCHES'ON'VARIABLE'TEMPERATURE DRYING TECHNOLOGY AND ON-LINE CONTROL FOR HIGH MOISTURE CONTENT PADDY Jihuan Wang, Qijue Liu	1027
283-D11016	DETERMINATION OF FREE AMINO ACIDS AND TAURINE IN SINONOVA-CULACONSTRICTAWITH2,4-DINITROCHLOROBENZEN E PRECOLUMN DERIVATIZATION Wang YueHong, Liu HongYin, Qi FengSHeng, Zhong WeiFang, ZhangHui, Li lina	1030
284-D11016-1	HEAVY METALS IN SOME EDIBLE MUSHROOMS CONSUMED IN XINXIANG, CHINA Fangkun Zhu, Wang Xuejing, Li Qu, Fan Wenxiu	1034
285-D11017	NUMERICAL SIMULATION OF AIRFLOW FIELDS IN TRADITIONAL CHINESE-MEDICINE SOLAR DRYING CHAMBER Ren Hai-wei, Yue Da-ling, Liu Zeng-guang, Li Zhi zhong	1037
286-D11017-1	CHANGES OF ATP CONTENT IN THE COURSE OF KEEPING-ALIVE SINONOVACULA CONSTRICTA Zhang Guan-ke, Gao-jie,Liu Hong-ying, Wang yue-hong,Qi Feng-sheng,	1041
287-D11018	STUDY ON THE FRESH-KEEPING EFFECT OF PARTIAL FREEZING ON SCAPHARCA SUBCRENATA Gao Ji, Liu Hong-ying, Qi Feng-sheng, Zhang Hui, Li Li-na, Wang Yue-hong	1046

289-D11020	EXTRACTION AND CHARACTERIZATION OF COLLAGEN FROM THE EEL BONE Chen Li-li, Zhao Li, Liu Hua, Hu Huo-gen, Wang Shan	1051
290-D11022	THE EFFECTS ON BIOCHEMICAL FEATURES OF RUDITAPES PHILIPPINARUMAFTERTREATMENTOFBIOLOGICAL ANTISTALING AGENT AND PARTIAL-FROZEN STORAGE Qi Fengsheng,Liu Hongying	1056
291-D11025	EFFECT OF CHITOSAN ON FRESH- KEEPING REFRIGERATED FILLETS OF FRESH CTENOPHARYNGODON IDELLUS Wu Runfeng, Zhao Li	1061
293-D11028	STUDY ON THE BIOPHYSIOLOGICAL EFFECT OF DIFFERENT ANTIBROWNING AGENTS ON FRESH-CUT FUJI APPLES Haiping Qi, Wenzhong Hu	1065
294-D11029	MEASUREMENT OF SOLUBLE SOLID CONTENT IN APPLE USING NEAR INFRARED SPECTROSCOPY Cheng Shunchang, Feng Xuqiao, , Ji Shujuan, Ren Xiaolin	1069
295-D11030	EVALUATION OF EXTRACTING CHARACTERISTICS OF TRACE ELEMENTS IN ROSE FLOWER TEA Wenxiu Fan, Shumin Fan	1073
296-D11031	PROGRESS OF INTERNAL, EXTERNAL STRUCTURE AND QUALITY CHANGE OF FRUITS AND VEGETABLES DURING INFRARED DRYING PROCESS Lili Zhang,Xiangyou Wang	1077
298-324-D11094	STUDY ON THE CONTENT OF ALUMINIUM AND HEAVY METALS IN PUFFED FOOD BY ICP- AES WITH MICROWAVE DIGESTION Wang Hongliang, Fan Wenxiu	1083
299-D11037	ESTABLISHMENT OF NONDESTRUCTIVE TESTING MODEL OF THE PROTEIN CONTENT IN WHEAT FLOUR BY NEAR INFRARED SPECTROSCOPY Jin Huali, Wang Jinshui, Yan Lihui, Guo Rui, Luo Li	1087
300-D11038	MEASUREMENT OF PROTEIN CONTENT IN SESAME BY NEAR-INFRARED SPECTROSCOPY TECHNIQUE Wang Jinshui, Jin Huali, Guo Rui, Yan Lihui	1092
302-D11040	BIOACTIVITY AUANTIFICATION OF A NOVEL ANTIMICROBIAL PEPTIDE BY AGAR DIFFUSION BIOASSAY Li Xingfeng, Wang Zhixin, Dong Xinying, Wang Guangxian, Jia Yingmin1	1096
304-D11051	PURIFICATION AND PROPERTIES OF B-GLUCOSIDASE, EXO-B-GLUCANASE AND ENDO-B-GLUCANASE FROM A COMMERCIAL CELLULASE	1100

	Gong Mei-zhen , Lv Yu-cai , Tang Jingting , Tian Hui , Li De-ying, Zhao Ru-ming, Gong Da Chun	
305-D11053	RESEARCH'PROGRESS'O'FBIOASSAY'TECHNOLOGY'IN'FOOD'DETECT ION Liu Ling, Ji Shu-juan, Bai Bing, Jiang Dong-hua	1104
307-D11060	TALL'GREASE'PASTRY'FRESH-KEEPING PACKAGING TECHNOLOGY RESEARCH Dong Wenli	1108
308-D11061	PREPARATION OF ACETYLATED STARCH BY ULTRA HIGH PRESSURE TECHNOLOGY Meng Shuang	1112
310-D11064	DEVELOPMENT AND APPLICATION OF ICE BANK PRECOOLING EQUIPMENT USED IN LITCHI PRODUCING AREA Wang Qian, Xu Wei, Dai Shaobi, Song Yaozhen	1116
311-D11065	VISIBLE SPECTROPHOTOMETRIC DETERMINATION OF TOTAL FLAVONOIDS IN BUDDLEJA OFFICINALIS MAXIM Guo Lei	1121
312-D11067	TECHNOLOGY OPTIMIZATION OF POLYSSCHARIDE EXTRACTION FROM CYCLOCARYA PALIURUS LEAVES BY ULTRASONIC ASSISTANCE Liu Ke-yue	1125
315-D11074	EXTRACTION'OF OLIGOSACCHARIDE FROM EXTRUDED SOYBEAN WITH SUPERCRITICAL CO2 Zhou Quancheng	1129
317-D11075-1	COMPARATIVE EXPERIMENT OF COLOR AND STRUCTURE ON MICROWAVE'AND'MICROWAVE-VACUUMPUFFINGOFBLACKCURRA NT'S CHIP Liu Chenghai, Zheng Xianzhe	1132
318-D11076	STUDY ON ESTABLISHING 2D-TLC BIOAUTOGRAPHY OF FAST SCREENING ANTINEOPLASTIC ACTIVE COMPONENTS Qimei Zhao, Jia He	1136
320-D11079	SUPERCRITICAL'CO2'EXTRACTION'XANTHOPHYLLS'FROM'MARIGO LDE'XTRACTUM:'P'ROCESS'OPTIMIZATION AND EXTRACTION RATE ANALYSIS Sheng Guihua, Zhou Quancheng	1140
321-D11084	STUDY ON EFFECT ON PULP ENZYME AND PECTINASE ON THE JUICE YIELD OF KIWI FRUIT Hai-ning Zhang, Jia He, Dan Luo, Chun-yang Zheng, Gai-ping Zhai, Shuo-guo Zhang	1144

322-D11087	RESPONSE SURFACE OPTIMIZATION OF ULTRASONIC-ASSISTED EXTRACTION'OF'YELLOW'PIGMENT'FROM BUDDLEJA OFFICINALIS MAXIM Guo Lei	1148
323-D11092	THE PURIFICATION AND STRUCTURE OF TASTE-ACTIVE PEPTIDE IN WATER-SOLUBLE EXTRACTION OF PARMA HAM Dang Yali, Fu Xiangjin	1152
324-D11113	SIMULTANEOUS'DETERMINATION'OF'FOUR'SCHISANDRA'LIGNANS'I N'THE'FRUIT'OF'SCHISANDRA CHINENSIS LingZhou,XuekuiWang,ZuoliangSha Qinggui Xiao, Hongbin Xu	1157
325-191XG-B11 120	STUDY ON THE INFLUENCE OF SUBSIDY TO AGRICULTURAL MACHINERY AND TOOLS ON THE AGRICULTURAL INDUSTRY CHAIN-FOR THE SHANDONG PROVINCE SAMPLE Yan Xiuxia Business School, Shandong University of Technology	1162