

九、附录

2016 年发表重要论文

序号	全部作者	论文题目	刊物名称	卷期号	IF (5-Year)
1	Najafpour Mohammad Mahdi*, Renger Gernot, Holynska Malgorzata, Moghadam Atefeh Nemati, Aro Eva-Mari, Carpentier Robert, Nishihara Hiroshi, Eaton-Rye Julian J., Shen Jian-Ren, Allakhverdiev Suleyman I*	▲Manganese compounds as water-oxidizing catalysts: From the natural water-oxidizing complex to nanosized manganese oxide structures	Chemical Reviews	116(5): 2886-2936	51.560
2	Sang Weiguo, Axmacher Jan C*	▲Environment: China draws lines to green future	Nature	531(7594): 305	41.458
3	Zhou Zhaomin*, Newman Chris, Buesching Christina D., Macdonald David W., Zhou Youbing	▲Rescued wildlife in China remains at risk	Science	353(6303): 999	34.921
4	Wang Xianglan, Wang Hongwei, Liu Shengxue, Ferjani Ali, Li Jiansheng, Yan Jianbing, Yang Xiaohong*, Qin Feng*	Genetic variation in <i>ZmVPP1</i> contributes to drought tolerance in maize seedlings	Nature Genetics	48(10): 1233-1241	32.197
5	Greaver T. L. *, Clark C. M., Compton J. E., Vallano D., Talhelm A. F., Weaver C. P., Band L. E., Baron J. S., Davidson E. A., Tague C. L., Felker-Quinn E., Lynch J. A., Herrick J. D., Liu Lingli, Goodale C. L., Novak K. J., Haeuber R. A.	▲Key ecological responses to nitrogen are altered by climate change	Nature Climate Change	6(9): 836-843	19.257
6	Niu Shuli*, Classen Aimee T., Dukes Jeffrey S., Kardol Paul, Liu Lingli, Luo Yiqi, Rustad Lindsey, Sun Jian, Tang Jianwu, Templer Pamela H., Thomas R. Quinn, Tian Dashuan, Vicca Sara, Wang Yingping, Xia Jianyang, Zaehle Soenke	▲Global patterns and substrate-based mechanisms of the terrestrial nitrogen cycle	Ecology Letters	19(6): 697-709	14.938
7	Guo Jie, Liu Rong, Huang Lei, Zheng Xiaoming, Liu Pingli, Du Yusu, Cai Zhe, Zhou Lian, Wei Xinghua, Zhang Fumin, Ge Song*	Widespread and adaptive alterations in genome-wide gene expression associated with ecological divergence of two <i>Oryza</i> species	Molecular Biology and Evolution	33(1): 62-78	13.002
8	Bai Aining, Lu Xiaoduo, Li Dongqi, Liu Jinxin, Liu Chun-Ming*	NF-YB1-regulated expression of sucrose transporters in aleurone facilitates sugar loading to rice endosperm	Cell Research	26: 384-388	12.393
9	Wang Wangyin, Wang Hong, Zhu Qingjun, Qin Wei, Han Guangye, Shen Jian-Ren, Zong Xu*, Li Can*	▲Spatially separated photosystem II and a silicon photoelectrochemical cell for overall water splitting: A natural-artificial photosynthetic hybrid	Angewandte Chemie International Edition	128(32): 9229-9233	12.111
10	Guo Hailong, Feng Peiqiang, Chi Wei, Sun Xuwu, Xu Xiumei, Li Yuan, Ren Dongtao, Lu Congming, Rochaix Jean-David, Leister Dario, Zhang Lixin*	Plastid-nucleus communication involves calcium-modulated MAPK signalling	Nature Communications	7: 12173	12.001
11	Jiang Zhimin, Xu Gang, Jing Yanjun, Tang Weijiang, Lin Rongcheng*	Phytochrome B and REVEILLE1/2-mediated signalling controls seed dormancy and germination in <i>Arabidopsis</i>	Nature Communications	7: 12377	12.001
12	Chen Leiyi, Liang Junyi, Qin Shuqi, Liu Li, Fang Kai, Xu Yunping, Ding Jinzhi, Li Fei, Luo Yiqi, Yang Yuanhe*	Determinants of carbon release from the active layer and permafrost deposits on the Tibetan Plateau	Nature Communications	7: 13046	12.001
13	Wang Zhi, Chen Fengying, Li Xiaoying, Cao Hong, Ding Meng, Zhang Cun, Zuo Jinghong, Xu Chaonan, Xu Jimei, Deng Xin, Xiang Yong, Wim J. J. Soppe, Liu Yongxiu*	<i>Arabidopsis</i> seed germination speed is controlled by SNL histone deacetylase-binding factor-mediated regulation of <i>AUX1</i>	Nature Communications	7: 13412	12.001
14	Zhao Chuang, Piao Shilong*, Huang Yao, Wang Xuhui, Ciais Philippe, Huang Mengtian, Zeng Zhenzhong, Peng Shushi	▲Field warming experiments shed light on the wheat yield response to temperature in China	Nature Communications	7: 13530	12.001

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15	Wang Peipei, Liao Hong, Zhang Wengen, Yu Xianxian, Zhang Rui, Shan Hongyan, Duan Xiaoshan, Yao Xu, Kong Hongzhi*	Flexibility in the structure of spiral flowers and its underlying mechanisms	Nature Plants	2: 15188	
16	Takuno Shohei, Ran Jinhua*, Gaut Brandon S.*	▲Evolutionary patterns of genic DNA methylation vary across land plants	Nature Plants	2: 15222	
17	Xu Xiumei, Chi Wei, Sun Xuwu, Feng Peiqiang, Guo Hailong, Li Jing, Lin Rongcheng, Lu Congming, Wang Haiyang, Leister Dario, Zhang Lixin*	Convergence of light and chloroplast signals for de-etiolation through ABI4-HY5 and COP1	Nature Plants	2: 16066	
18	Guan Rui, Zhao Yunpeng, Zhang He, Fan Guangyi, Liu Xin, Zhou Wenbin, Shi Chengcheng, Wang Jiahao, Liu Weiqing, Liang Xinming, Fu Yuanyuan, Ma Kailong, Zhao Lijun, Zhang Fumin, Lu Zuhong, Simon Ming-Yuen Lee, Xu Xun, Wang Jian, Yang Huanming, Fu Chengxin*, Ge Song*, Chen Wenbin*	▲Draft genome of the living fossil <i>Ginkgo biloba</i>	GigaScience	5(1): 49	11.660
19	Zhao Yang, Chan Zhulong, Gao Jinghui, Xing Lu, Cao Minjie, Yu Chunmei, Hu Yuanlei, You Jun, Shi Haitao, Zhu Yingfang, Gong Yuehua, Mu Zixin, Wang Haiqing, Deng Xin, Wang Pengcheng, Bressan Ray A., Zhu Jiankang*	▲ABA receptor PYL9 promotes drought resistance and leaf senescence	Proceedings of the National Academy of Sciences of the United States of America	113(7): 1949-1954	10.285
20	Shang Baoshuan, Xu Chongyi, Zhang Xixi, Cao Huifen, Xin Wei, Hu Yuxin*	Very-long-chain fatty acids restrict regeneration capacity by confining pericycle competence for callus formation in <i>Arabidopsis</i>	Proceedings of the National Academy of Sciences of the United States of America	113(18): 5101-5106	10.285
21	Feng Peiqiang, Guo Hailong, Chi Wei, Chai Xin, Sun Xuwu, Xu Xiumei, Ma Jinfang, Rochaix Jean-David, Leister Dario, Wang Haiyang, Lu Congming, Zhang Lixin*	Chloroplast retrograde signal regulates flowering	Proceedings of the National Academy of Sciences of the United States of America	113(38): 10708-10713	10.285
22	Chi Wei, Li Jing, He Baoye, Chai Xin, Xu Xiumei, Sun Xuwu, Jiang Jingjing, Feng Peiqiang, Zuo Jianru, Lin Rongcheng, Rochaix Jean-David, Zhang Lixin*	DEG9, a serine protease, modulates cytokinin and light signaling by regulating the level of <i>ARABIDOPSIS</i> RESPONSE REGULATOR 4	Proceedings of the National Academy of Sciences of the United States of America	113(25): E3568-E3576	10.285
23	Feng Xuanjun, Li Jingrui, Qi Shilian, Lin Qingfang, Jin Jingbo*, Hua Xuejun*	Light affects salt stress-induced transcriptional memory of <i>P5CS1</i> in <i>Arabidopsis</i>	Proceedings of the National Academy of Sciences of the United States of America	113(51): E8335-E8343	10.285
24	Zhao Shuangshuang, Jiang Yuxiang, Zhao Yang, Huang Shanjin, Yuan Ming, Zhao Yanxiu*, Guo Yan*	▲CASEIN KINASE1-LIKE PROTEIN2 regulates actin filament stability and stomatal closure via phosphorylation of actin depolymerizing factor	Plant Cell	28(6): 1422-1439	9.880
25	Zhang Ximei, Johnston Eric R., Liu Wei, Li Linghao, Han Xingguo*	▲Environmental changes affect the assembly of soil bacterial community primarily by mediating stochastic processes	Global Change Biology	22(1): 198-207	9.028
26	Hu Zhongmin, Li Shenggong, Guo Qun, Niu Shuli, He Nianpeng, Li Linghao, Yu Guirui*	▲A synthesis of the effect of grazing exclusion on carbon dynamics in grasslands in China	Global Change Biology	22(4): 1385-1393	9.028
27	Liu Lingli*, Wang Xin, Lajeunesse Marc J., Miao Guofang, Piao Shilong, Wan Shiqiang, Wu Yuxin, Wang Zhenhua, Yang Sen, Li Ping, Deng Meifeng	A cross-biome synthesis of soil respiration and its determinants under simulated precipitation changes	Global Change Biology	22(4): 1394-1405	9.028
28	Zhang Yunhai, Loreau Michel, Lv Xiaotao*, He Nianpeng, Zhang Guangming, Han Xingguo*	Nitrogen enrichment weakens ecosystem stability through decreased species asynchrony and population stability in a temperate grassland	Global Change Biology	22(4): 1445-1455	9.028

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29	Ding Jinzhi, Li Fei, Yang Guibiao, Chen Leiyi, Zhang Beibei, Liu Li, Fang Kai, Qin Shuqi, Chen Yongliang, Peng Yunfeng, Ji Chengjun, He Honglin, Smith Pete, Yang Yuanhe*	The permafrost carbon inventory on the Tibetan Plateau: A new evaluation using deep sediment cores	Global Change Biology	22(8): 2688-2701	9.028
30	Wang Changhui, Chen Zhe, Unteregelsbacher Sebastian, Lu Haiyan, Gschwendtner Silvia, Gasche Rainer, Kolar Allison, Schloter Michael, Kiese Ralf, Butterbach-Bahl Klaus, Dannemann Michael*	▲Climate change amplifies gross nitrogen turnover in montane grasslands of Central Europe in both summer and winter seasons	Global Change Biology	22(9): 2963-2978	9.028
31	Zhao Shun, Wang Xiao, Niu Guoqi, Dong Wei, Wang Jia, Fang Ying, Lin Yajing, Liu Lin*	Structural basis for copper/silver binding by the <i>Synechocystis</i> metallochaperone CopM	Acta Crystallographica Section D-Structural Biology	72(9): 997-1005	8.751
32	Kuang Tingyun*	A breakthrough of artificial photosynthesis	National Science Review	3(1): 2-3	8.000
33	Chen Yongliang, Chen Leiyi, Peng Yunfeng, Ding Jinzhi, Li Fei, Yang Guibiao, Kou Dan, Liu Li, Fang Kai, Zhang Beibei, Wang Jun, Yang Yuanhe*	Linking microbial C:N:P stoichiometry to microbial community and abiotic factors along a 3500-km grassland transect on the Tibetan Plateau	Global Ecology and Biogeography	25(12): 1416-1427	7.602
34	He Zhenyan, Yan Huili, Chen Yanshan, Shen Hongling, Xu Wenxiu, Zhang Haiyan, Shi Lei, Zhu Yong-Guan*, Ma Mi*	An aquaporin PvTIP4;1 from <i>Pteris vittata</i> may mediate arsenite uptake	New Phytologist	209(2): 746-761	7.554
35	Chan Zhulong*, Wang Yanping, Cao Minjie, Gong Yuehua, Mu Zixin, Wang Haiqing, Hu Yuanlei, Deng Xin, He Xinxian, Zhu Jiankang*	▲RDM4 modulates cold stress resistance in <i>Arabidopsis</i> partially through the CBF-mediated pathway	New Phytologist	209(4): 1527-1539	7.554
36	An Bang, Li Boqiang, Li Hua, Zhang Zhanquan, Qin Guozheng, Tian Shiping*	Aquaporin8 regulates cellular development and reactive oxygen species production, a critical component of virulence in <i>Botrytis cinerea</i>	New Phytologist	209(4): 1668-1680	7.554
37	Wang Zhiping*, Gu Qian, Deng Fengdan, Huang Jianhui, Megonigal J. Patrick, Yu Qiang, Lv Xiaotao, Li Linghao, Chang Scott, Zhang Yunhai, Feng Jinchao, Han Xingguo*	Methane emissions from the trunks of living trees on upland soils	New Phytologist	211(2): 429-439	7.554
38	Zhang Jingyu*, Luo Wei, Zhao Yuan, Xu Yunyuan, Song Shuhui, Chong Kang*	Comparative metabolomic analysis reveals a reactive oxygen species-dominated dynamic model underlying chilling environment adaptation and tolerance in rice	New Phytologist	211(4): 1295-1310	7.554
39	Zhang Naili*, Van der Putten Wim H., Veen G. F. (Ciska)	Effects of root decomposition on plant-soil feedback of early- and mid-successional plant species	New Phytologist	212(1): 220-231	7.554
40	Liu Yanyan, Yang Kezhen, Wei Xiaoxin*, Wang Xiaoquan	Revisiting the phosphatidylethanolamine-binding protein (PEBP) gene family reveals cryptic <i>FLOWERING LOCUS T</i> gene homologs in gymnosperms and sheds new light on functional evolution	New Phytologist	212(3): 730-744	7.554
41	Liao Irene T. *, Shan Hongyan, Xu Guixia, Zhang Rui	▲Bridging evolution and development in plants	New Phytologist	212(4): 827-830	7.554
42	Deng Meifeng, Liu Lingli*, Sun Zhenzhong, Piao Shilong, Ma Yuecun, Chen Yiwei, Wang Jing, Qiao Chunlian, Wang Xin, Li Ping	Increased phosphate uptake but not resorption alleviates phosphorus deficiency induced by nitrogen deposition in temperate <i>Larix principis-rupprechtii</i> plantations	New Phytologist	212(4): 1019-1029	7.554
43	Li Shibai, Wang Xiaochen, He Shan, Li Jieru, Huang Qingpei, Imaizumi Takato, Qu Leqing, Qin Genji, Qu Lijia, Gu Hongya*	▲CFLAP1 and CFLAP2 are two bHLH transcription factors participating in synergistic regulation of AtCFL1-mediated cuticle development in <i>Arabidopsis</i>	PLoS Genetics	12(1): e1005744	7.481
44	Cui Xiaona, Guo Zhiai, Song Lizhen, Wang Yanli, Cheng Youfa*	NCP1/AtMOB1A plays key roles in auxin-mediated <i>Arabidopsis</i> development	PLoS Genetics	12(3): e1005923	7.481

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45	Lin Xiaoli, Niu De, Hu Ziliang, Kim Dae Heon, Jin Yinhua, Cai Bin, Liu Peng, Miura Kenji, Yun Dae-Jin, Kim Woe-Yeon, Lin Rongcheng, Jin Jingbo*	An <i>Arabidopsis</i> SUMO E3 Ligase, SIZ1, negatively regulates photomorphogenesis by promoting COP1 activity	PLoS Genetics	12(4): e1006016	7.481
46	Liu Lingtong, Zheng Canhui, Kuang Baijan, Wei Liqin, Yan Longfeng, Wang Tai*	Receptor-like kinase RUPO interacts with potassium transporters to regulate pollen tube growth and integrity in rice	PLoS Genetics	12(7): e1006085	7.481
47	Luo Hong, Zhao Wenming, Wang Yan-qing, Xia Yan, Wu Xiaoyuan, Zhang Limin, Tang Bixia, Zhu Junwei, Fang Lu, Du Zhenglin, Bekele Wubishet A., Tai Shuaishuai, Jordan David R., Godwin Ian D., Snowden Rod J., Mace Emma S., Jing Haichun*, Luo Jingchu*	SorGSD: A sorghum genome SNP data-base	Biotechnology for Biofuels	9: 6	7.398
48	Liu Wei, Peng Cheng, Chen Zhifen, Liu Yue, Yan Juan, Li Jianqiang, Sang Tao*	Sustainable bioenergy production with little carbon debt in the Loess Plateau of China	Biotechnology for Biofuels	9: 161	7.398
49	Su Yanjun, Guo Qinghua*, Xue Baolin, Hu Tianyu, Alvarez Otto, Tao Shengli, Fang Jingyun	Spatial distribution of forest aboveground biomass in China: Estimation through combination of spaceborne lidar, optical imagery, and forest inventory data	Remote Sensing of Environment	173(2016): 187-199	7.388
50	Jiang Lun, Chen Yibo, Zheng Jiangge, Chen Zhenhang, Liu Yujie, Tao Ye, Wu Wei, Chen Zhongzhou*, Wang Baichen*	▲Structural basis of reversible phosphorylation by maize pyruvate orthophosphate dikinase regulatory protein (PDRP)	Plant Physiology	170(2): 732-741	7.367
51	Shapiguzov Alexey, Chai Xin, Fucile Geoffrey, Longoni Paolo, Zhang Lixin, Rochaix Jean-David*	▲Activation of the Stt7/STN7 kinase through dynamic interactions with the cytochrome b6f complex	Plant Physiology	171(1): 82-92	7.367
52	Ye Lingling, Wang Bin, Zhang Wengen, Shan Hongyan*, Kong Hongzhi*	Gains and losses of <i>cis</i> -regulatory elements led to divergence of the <i>Arabidopsis</i> <i>APETALA1</i> and <i>CAULIFLOWER</i> duplicate genes in the time, space, and level of expression and regulation of one paralog by the other	Plant Physiology	171(2): 1055-1069	7.367
53	Zhang Lin, Duan Zhikun, Zhang Jiao, Peng Lianwei*	BIOGENESIS FACTOR REQUIRED FOR ATP SYNTHASE 3 facilitates assembly of the chloroplast ATP synthase complex	Plant Physiology	171(2): 1291-1306	7.367
54	Qin Guozheng, Zhu Zhu, Wang Weihao, Cai Jianghua, Chen Yong, Li Li, Tian Shiping*	A tomato vacuolar invertase inhibitor mediates sucrose metabolism and influences fruit ripening	Plant Physiology	172(3): 1596-1611	7.367
55	Li Shuo, Wang Nan, Ji Dandan, Xue Zheyong, Yu Yanchong, Jiang Yupei, Liu Jinglin, Liu Zhenhua, Xiang Fengning*	▲Evolutionary and functional analysis of membrane-bound NAC transcription factor genes in soybean	Plant Physiology	172(3): 1804-1820	7.367
56	Cheng Tao, Xu Chao, Lei Li, Li Changhao, Zhang Yu, Zhou Shiliang*	Barcoding the kingdom Plantae: New PCR primers for <i>ITS</i> regions of plants with improved universality and specificity	Molecular Ecology Resources	16(1): 138-149	7.347
57	Zhou Zhaomin, Chris Newman, Christina D. Buesching, Meng Xiuxiang, David W. Macdonald, Zhou Youbing*	▲Revised Taxonomic Binomials Jeopardize Protective Wildlife Legislation	Conservation Letters	9(5): 313-315	7.150
58	Michihiro Suga, Qin Xiaochun, Kuang Tingyun *, Shen Jianren*	▲Structure and energy transfer pathways of the plant photosystem I-LHCI supercomplex	Current Opinion in Structural Biology	39: 46-53	6.965
59	Li Chuanyou*, Li Jiayang*, Chong Kang, Harter Klaus, Lee Youngsook, Leung Jeffrey, Martinoia Enrico, Matsuoka Makoto, Offringa Remko, Qu Lijia, Schroeder Julian, Zhao Yunde	▲Toward a molecular understanding of plant hormone actions	Molecular Plant	9(1): 99-102	6.885
60	Ma Lin, Tian Tian, Lin Rongcheng, Deng Xing-Wang, Wang Haiyang, Li Gang*	▲ <i>Arabidopsis</i> FHY3 and FAR1 regulate light-induced myo-Inositol biosynthesis and oxidative stress responses by transcriptional activation of MIPS1	Molecular Plant	9(4): 541-557	6.885
61	Cui Fuqiang*, Brosche Mikael, Lehtonen Mikko T., Amiryousefi Ali, Xu Enjun, Punkkinen Matleena, Valkonen Jari P. T., Fujii Hiroaki, Overmyer Kirk	▲Dissecting abscisic acid signaling pathways involved in cuticle formation	Molecular Plant	9(6): 926-938	6.885

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62	Xu Haibin, Song Jingyuan, Luo Hongmei, Zhang Yujun, Li Qiushi, Zhu Yingjie, Xu Jiang, Li Ying, Song Chi, Wang Bo, Sun Wei, Shen Guoan, Zhang Xin, Qian Jun, Ji Aijia, Xu Zhichao, Luo Xiang, He Liu, Li Chuyuan, Sun Chao, Yan Haixia, Cui Guanghong, Li Xiwen, Li Xian'en, Wei Jianhe, Liu Juyan, Wang Yitao, Hayward Alice, Nelson David, Ning Zemin, Peters Reuben J., Qi Xiaoquan*, Chen Shilin*	▲Analysis of the genome sequence of the medicinal plant <i>Salvia miltiorrhiza</i>	Molecular Plant	9(6): 949-952	6.885
63	Duan Lixin, Molnár István, Snyder John Hugh, Shen Guoan, Qi Xiaoquan*	Discrimination and quantification of true biological signals in metabolomics analysis based on liquid chromatography-mass spectrometry	Molecular Plant	9(8): 1217-1220	6.885
64	Li Xiaojuan, Xing Jingjing, Qiu Zongbo, He Qihua, Lin Jinxing*	▲Quantification of membrane protein dynamics and interactions in plant cells by fluorescence correlation spectroscopy	Molecular Plant	9(9): 1229-1239	6.885
65	Lin Sen, Zhao Yuanyuan, Zhu Yingfang, Michael Gosney, Deng Xin, Wang Xiaohua, Lin Jinxing*	An effective and inducible system of TAL effector-mediated transcriptional repression in <i>Arabidopsis</i>	Molecular Plant	9(11): 1546-1549	6.885
66	Yang Hao, Yang Ning, Wang Tai*	Proteomic analysis reveals the differential histone programs between male germline cells and vegetative cells in <i>Lilium davidii</i>	Plant Journal	85(5): 660-674	6.468
67	Guo Lei, Jiang Li, Zhang Ying, Lu Xiuli, Xie Qi, Weijers Dolf, Liu Chun-Ming*	The anaphase-promoting complex initiates zygote division in <i>Arabidopsis</i> through degradation of cyclin B1	Plant Journal	86(2): 161-174	6.468
68	Liu Zhenhua, Li Juan, Wang Long, Li Qiang, Lu Qing, Yu Yanchong, Li Shuo, Bai Mingyi, Hu Yuxin, Xiang Fengning*	▲Repression of callus initiation by the miRNA-directed interaction of auxin-cytokinin in <i>Arabidopsis thaliana</i>	Plant Journal	87(4): 391-402	6.468
69	Sun Yangyang, Xu Wenzhong, Wu Li, Wang Ruozhong, He Zhenyan, Ma Mi*	An <i>Arabidopsis</i> mutant of inositol pentakisphosphate 2-kinase AtIPK1 displays reduced arsenate tolerance	Plant Cell and Environment	39(2): 416-426	6.443
70	Yan Juan, Zhu Mingdong, Liu Wei, Xu Qin, Zhu Caiyun, Li Jianqiang*, Sang Tao*	▲Genetic variation and bidirectional gene flow in the riparian plant <i>Miscanthus lutariparius</i> , across its endemic range: Implications for adaptive potential	Global Change Biology Bioenergy	8(4): 764-776	6.415
71	Chen Dima, Pan Qingmin, Bai Yongfei*, Hu Shuijin, Huang Jianhui, Wang Qibing, Naeem Shahid, Elser James J., Wu Jianguo, Han Xingguo	Effects of plant functional group loss on soil biota and net ecosystem exchange: A plant removal experiment in the Mongolian grassland	Journal of Ecology	104(3): 734-743	6.409
72	Wu Hui, Ma Zhen, Wang Mingming, Qin Aili, Ran Jinhua, Wang Xiaoquan*	A high frequency of allopolyploid speciation in the gymnospermous genus <i>Ephedra</i> and its possible association with some biological and ecological features	Molecular Ecology	27(5): 514-518	6.232
73	Dai Xiaoyan, Wang Yuanyuan, Zhang Wenhao*	OsWRKY74, a WRKY transcription factor, modulates tolerance to phosphate starvation in rice	Journal of Experimental Botany	67(3): 823-826	6.229
74	Cui Lilan, Yao Shengbo, Dai Xinlong, Yin Qinggang, Liu Yajun, Jiang Xiaolan, Wu Yahui, Qian Yumei, Pang Yongzhen*, Gao Liping*, Xia Tao*	▲Identification of UDP-glycosyltransferases involved in the biosynthesis of astringent taste compounds in tea (<i>Camellia sinensis</i>)	Journal of Experimental Botany	67(8): 2285-2297	6.229
75	Fang Linchuan, Su Lingye, Sun Xiaoming, Li Xinbo, Sun Mengxiang, Karungo Sospeter Karanja, Fang Shuang, Chu Jinfang, Li Shaohua*, Xin Haiping*	Expression of <i>Vitis amurensis</i> NAC26 in <i>Arabidopsis</i> enhances drought tolerance by modulating jasmonic acid synthesis	Journal of Experimental Botany	67(9): 2829-2845	6.229
76	Zhang Meng, Zhang Ruihui, Qu Xiaolu, Huang Shanjin*	<i>Arabidopsis</i> FIM5 decorates apical actin filaments and regulates their organization in the pollen tube	Journal of Experimental Botany	67(11): 3407-3417	6.229
77	Mignolet-Spruyt Lorin, Xu Enjun, Idanheimo Niina, Hoeberichts Frank A., Muhlenbock Per, Brosche Mikael, Van Breusegem Frank*, Kangasjarvi Jaakko*	▲Spreading the news: Subcellular and organellar reactive oxygen species production and signalling	Journal of Experimental Botany	67(13): 3831-3844	6.229

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78	Zou Junjie, Zheng Zhongyu, Xue Shan, Li Hanhai, Wang Yuren*, Le Jie*	The role of <i>Arabidopsis</i> Actin-Related Protein 3 in amyloplast sedimentation and polar auxin transport in root gravitropism	Journal of Experimental Botany	67(18): 5325-5337	6.229
79	Li Qian, Yang An, Zhang Wenhao*	Efficient acquisition of iron confers greater tolerance to saline-alkaline stress in rice (<i>Oryza sativa</i> L.)	Journal of Experimental Botany	67(22): 6431-6444	6.229
80	Tian Qiuying, Liu Nana, Bai Wenming, Li Linghao, Chen Jiquan, Reich Peter B., Yu Qiang, Guo Dali, Smith Melinda D., Knapp Alan K., Cheng Weixin, Lu Peng, Gao Yan, Yang An, Wang Tianzuo, Li Xin, Wang Zhengwen, Ma Yibing, Han Xingguo, Zhang Wenhao*	A novel soil manganese mechanism drives plant species loss with increased nitrogen deposition in a temperate steppe	Ecology	97(1): 65-74	5.978
81	Huang Zhenying, Liu Shuangshuang, Bradford Kent J., Huxman Travis E., Venable D. Lawrence*	The contribution of germination functional traits to population dynamics of a desert plant community	Ecology	97(1): 250-261	5.978
82	Wang Xugao*, Wiegand Thorsten, Kraft Nathan J. B., Swenson Nathan G., Davies Stuart J., Hao Zhanqing, Howe Robert, Lin Yiching, Ma Keping, Mi Xiangcheng, Su Sheng-Hsin, Sun I-Fang, Wolf Amy	▲ Stochastic dilution effects weaken deterministic effects of niche-based processes in species rich forests	Ecology	97(2): 347-360	5.978
83	Jia Bingrui*, Zhou Guangsheng, Xu Zhenzhu	Forest litterfall and its composition: a new data set of observational data from China	Ecology	97(5): 1365	5.978
84	Pan Qingmin, Tian Dashuan, Naeem Shahid, Auerwald Karl, Elser James J., Bai Yongfei, Huang Jianhui, Wang Qibing, Wang Hong, Wu Jianguo, Han Xingguo*	Effects of functional diversity loss on ecosystem functions are influenced by compensation	Ecology	97(9): 2293-2302	5.978
85	Liu Xiaojuan, Swenson Nathan G., Lin Dunmei, Mi Xiangcheng, Umana Mara Natalia, Schmid Bernhard, Ma Keping*	Linking individual-level functional traits to tree growth in a subtropical forest	Ecology	97(9): 2396-2405	5.978
86	Gao Qiong, Li Xiaoxia, Jia Junting, Zhao Pincang, Liu Panpan, Liu Zhujiang, Ge Liangfa, Chen Shuangyan, Qi Dongmei, Deng Bo, Lee Byung-Hyun, Liu Gongshe*, Cheng Liqin*	Overexpression of a novel cold-responsive transcript factor <i>LcFIN1</i> from sheepgrass enhances tolerance to low temperature stress in transgenic plants	Plant Biotechnology Journal	14(3): 861-874	5.951
87	Liu Xiaohong, Xu Fei, Snyder John Hugh, Shi Huanbin, Lu Jianping, Lin Fucheng*	▲ Autophagy in plant pathogenic fungi	Seminars in Cell & Developmental Biology	57(2016): 128-137	5.758
88	Yu Pengli, Yuan Jinhong, Zhang Hui, Deng Xin, Ma Mi, Zhang Haiyan*	Engineering metal-binding sites of bacterial CusF to enhance Zn/Cd accumulation and resistance by subcellular targeting	Journal of Hazardous Materials	302: 275-285	5.641
89	Zhang Guoqiang, Xu Qing, Bian Chao, Tsai Wen-Chieh, Yeh Chuan-Ming, Liu Kewei, Yoshida Kouki, Zhang Liangsheng, Chang Songbin, Chen Fei, Shi Yu, Su Yongyu, Zhang Yongqiang, Chen Lijun, Yin Yayi, Lin Min, Huang Huixia, Deng Hua, Wang Zhiwen, Zhu Shilin, Zhao Xiang, Deng Cao, Niu Shance, Huang Jie, Wang Meina, Liu Guohui, Yang Haijun, Xiao Xinju, Hsiao Yu-Yun, Wu Wanlin, Chen Youyi, Mitsuda Nobutaka, Ohme-Takagi Masaru, Luo Yibo*, Van de Peer Yves*, Liu Zhongjian*	▲ The <i>Dendrobium catenatum</i> Lindl. genome sequence provides insights into polysaccharide synthase, floral development and adaptive evolution	Scientific Reports	6: 19029	5.525
90	Zhao Lina, Li Jinya, Liu Huiyuan, Qin Haining*	Distribution, congruence, and hotspots of higher plants in China	Scientific Reports	6: 19080	5.525
91	Wu Jie, Wang Xiaochen, Liu Yang, Du Hui, Shu Qingyan, Su Shang, Wang Lijin, Li Shanshan*, Wang Liangsheng*	Flavone synthases from <i>Lonicera japonica</i> and <i>L. macranthoides</i> reveal differential flavone accumulation	Scientific Reports	6: 19245	5.525

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92	Gao Jie*, Lan Ting	▲ Functional characterization of the late embryogenesis abundant (LEA) protein gene family from <i>Pinus tabulaeformis</i> (Pinaceae) in <i>Escherichia coli</i>	Scientific Reports	6: 19467	5.525
93	Fang Ying, Zhao Shun, Zhang Feilong, Zhao Aiguo, Zhang Wenxia, Zhang Min, Liu Lin*	The <i>Arabidopsis</i> glutamyl-tRNA reductase (GluTR) forms a ternary complex with FLU and GluTR-binding protein	Scientific Reports	6: 19756	5.525
94	Zhang Bingwei, Li Shan, Chen Shiping*, Ren Tingting, Yang Zhiqiang, Zhao Hanlin, Liang Yu*, Han Xingguo	Arbuscular mycorrhizal fungi regulate soil respiration and its response to precipitation change in a semiarid steppe	Scientific Reports	6: 19990	5.525
95	Yan Zhengbing, Li Peng, Chen Yahan, Han Wenxuan, Fang Jingyun*	▲ Nutrient allocation strategies of woody plants: An approach from the scaling of nitrogen and phosphorus between twig stems and leaves	Scientific Reports	6: 20099	5.525
96	He Weiming*, Sun Zhenkai	Convergent production and tolerance among 107 woody species and divergent production between shrubs and trees	Scientific Reports	6: 20485	5.525
97	Zhang Yanhua, Ni Jian, Tang Fangping, Pei Kequan, Luo Yiqi, Jiang Lifan, Sun Lifu*, Liang Yu*	▲ Root-associated fungi of <i>Vaccinium carlesii</i> in subtropical forests of China: Intra- and inter-annual variability and impacts of human disturbances	Scientific Reports	6: 22399	5.525
98	Zhang Minggang, Ferry Slik J. W., Ma Keping*	Using species distribution modeling to delineate the botanical richness patterns and phytogeographical regions of China	Scientific Reports	6: 22400	5.525
99	Zhang Jinbo, Wang Liang, Zhao Wei, Hu Huifeng, Feng Xiaojuan, Mueller Christoph, Cai Zucong*	▲ Soil gross nitrogen transformations along the Northeast China Transect (NECT) and their response to simulated rainfall events	Scientific Reports	6: 22830	5.525
100	Zou Yi, Sang Weiguo*, Hausmann Axel, Axmacher Jan Christoph*	▲ High phylogenetic diversity is preserved in species-poor high-elevation temperate moth assemblages	Scientific Reports	6: 23045	5.525
101	Liu Haitao, Meng Jie, Bo Wenjing, Cheng Da, Li Yong, Guo Liyue, Li Caihong, Zheng Yanhai, Liu Meizhen, Ning Tangyuan, Wu Guanglei, Yu Xiaofan, Feng Sufei, Tana Wuyun, Li Jing, Li Lijun, Zeng Yan, Liu Shi V., Jiang Gaoming*	Biodiversity management of organic farming enhances agricultural sustainability	Scientific Reports	6: 23816	5.525
102	Sun Xiaoming, Zhao Tingting, Gan Shuheng, Ren Xiaodie, Fang Linchuan, Karungo Sospeter Karanja, Wang Yi, Chen Liang, Li Shaohua*, Xin Haiping*	▲ Ethylene positively regulates cold tolerance in grapevine by modulating the expression of ETHYLENE RESPONSE FACTOR 057	Scientific Reports	6: 24066	5.525
103	An Tianyue, Cai Yanli, Zhao Suzhen, Zhou Jianghong, Song Bo, Bux Hadi, Qi Xiaoquan*	<i>Brachypodium distachyon</i> T-DNA insertion lines: A model pathosystem to study non-host resistance to wheat stripe rust	Scientific Reports	6: 25510	5.525
104	Xu Qin, Zhu Caiyun, Fan Yangyang, Song Zhihong, Xing Shilai, Liu Wei, Yan Juan, Sang Tao*	Population transcriptomics uncovers the regulation of gene expression variation in adaptation to changing environment	Scientific Reports	6: 25536	5.525
105	Song Xiliang, Zhou Guangsheng*, Xu Zhenzhu, Lv Xiaomin, Wang Yuhui*	A self-photoprotection mechanism helps <i>Stipa baicalensis</i> adapt to future climate change	Scientific Reports	6: 25839	5.525
106	Yuan Shan, Ma Linna, Guo Chengyuan, Wang Renzhong*	What drivers phenotypic divergence in <i>Leymus chinensis</i> (Poaceae) on large-scale gradient, climate or genetic differentiation?	Scientific Reports	6: 26288	5.525
107	Chen Xin, He Zhihui, Xu Min, Peng Li-anwei, Mi Hualing*	▲ NdhV subunit regulates the activity of type-1 NAD(P)H dehydrogenase under high light conditions in cyanobacterium <i>Synechocystis</i> sp PCC 6803	Scientific Reports	6: 28361	5.525
108	Ye Duo, Liu Guofang, Song Yaobin, Cornwell William K., Dong Ming*, Cornelissen Johannes H. C.	▲ Strong but diverging clonality-climate relationships of different plant clades explain weak overall pattern across China	Scientific Reports	6: 26850	5.525
109	Guo Qun, Hu Zhongmin*, Li Shenggong*, Yu Guirui, Sun Xiaomin, Li Linghao, Liang Naishen, Bai Wenming	▲ Exogenous N addition enhances the responses of gross primary productivity to individual precipitation events in a temperate grassland	Scientific Reports	6: 26901	5.525

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110	Yin Kai, Zhang Lei, Chen Dima*, Tian Yichen*, Zhang Feifei, Wen Meiping, Yuan Chao	▲ Understory herb layer exerts strong controls on soil microbial communities in sub-tropical plantations	Scientific Reports	6: 27066	5.525
111	Han Pengfei, Zhang Wen*, Wang Guocheng, Sun Wenjuan, Huang Yao*	▲ Changes in soil organic carbon in croplands subjected to fertilizer management: A global meta-analysis	Scientific Reports	6: 27199	5.525
112	Wang Wei*, Lin Li, Xiang Xiaoguo, Ortiz Rosa del C., Liu Yang, Xiang Kunli, Yu Shengxiang, Xing Yaowu, Chen Zhiduan*	The rise of angiosperm-dominated herbaceous floras: Insights from Ranunculaceae	Scientific Reports	6: 27259	5.525
113	Wang Renzhong*, Ma Linna	Climate-driven C ₄ plant distributions in China: Divergence in C ₄ taxa	Scientific Reports	6: 27977	5.525
114	Peng Yunfeng, Yang Yuanhe*	Allometric biomass partitioning under nitrogen enrichment: Evidence from manipulative experiments around the world	Scientific Reports	6: 28918	5.525
115	Li He, Shen Haihua, Chen Leiyi, Liu Taoyu, Hu Huifeng, Zhao Xia, Zhou Luhong, Zhang Pujin, Fang Jingyun*	Effects of shrub encroachment on soil organic carbon in global grasslands	Scientific Reports	6: 28974	5.525
116	Zhang Yu, Zhang Yanjie, Yang Baojun, Yu Xianxian, Wang Dun, Zu Songhao, Xue Hongwei, Lin Wenhui*	Functional characterization of <i>GmBZL2</i> (<i>AtBZR1</i> like gene) reveals the conserved BR signaling regulation in <i>Glycine max</i>	Scientific Reports	6: 31134	5.525
117	Lin Li, Zhu Biao, Chen Chengrong, Zhang Zhenhua, Wang Qibing*, He Jinsheng*	▲ Precipitation overrides warming in mediating soil nitrogen pools in an alpine grassland ecosystem on the Tibetan Plateau	Scientific Reports	6: 31438	5.525
118	Ren Chong, Liu Xianju, Zhang Zhan, Wang Yi, Duan Wei, Li Shaohua, Liang Zhenchang*	CRISPR/Cas9-mediated efficient targeted mutagenesis in Chardonnay (<i>Vitis vinifera</i> L.)	Scientific Reports	6: 32289	5.525
119	Mi Xiangcheng, Swenson Nathan G., Jia Qi, Rao Mide, Feng Gang, Ren Haibao, Bebbier Daniel P., Ma Keping*	Stochastic assembly in a subtropical forest chronosequence: Evidence from contrasting changes of species, phylogenetic and functional dissimilarity over succession	Scientific Reports	6: 32596	5.525
120	Zhao Qi, Suo Jinwei, Chen Sixue, Jin Yudan, Ma Xiaolin, Yin Zepeng, Zhang Yuhong, Wang Tai, Luo Ji, Jin Wenhui, Zhang Xia, Zhou Zhiqiang*, Dai Shaojun*	▲ Na ₂ CO ₃ -responsive mechanisms in halophyte <i>Puccinellia tenuiflora</i> roots revealed by physiological and proteomic analyses	Scientific Reports	6: 32717	5.525
121	Huang Yong, Mo Yijia, Chen Pengyun, Yuan Xiaoling, Meng Funing, Zhu Shengwei*, Liu Zhi*	▲ Identification of SET domain-containing proteins in <i>Gossypium raimondii</i> and their response to high temperature stress	Scientific Reports	6: 32729	5.525
122	Liu Yanling, Zhao Zhongjuan, Xue Zheyong, Wang Long, Cai Yunfei, Wang Peng, Wei Tiandi, Gong Jing, Liu Zhenhua, Li Juan, Li Shuo, Xiang Fengning*	▲ An intronless β -amyrin synthase gene is more efficient in oleanolic acid accumulation than its paralog in <i>Gentiana straminea</i>	Scientific Reports	6: 33364	5.525
123	Zhang Zhanquan, Li Hua, Qin Guozheng, He Chang, Li Boqiang, Tian Shiping*	The MADS-Box transcription factor Bcmads1 is required for growth, sclerotia production and pathogenicity of <i>Botrytis cinerea</i>	Scientific Reports	6: 33901	5.525
124	Huang Jihong, Huang Jianhua, Lu Xinghui, Ma Keping*	▲ Diversity distribution patterns of Chinese endemic seed plant species and their implications for conservation planning	Scientific Reports	6: 33913	5.525
125	Xu Zhenzhu*, Hou Yanhui, Zhang Lihua, Liu Tao, Zhou Guangsheng*	Ecosystem responses to warming and watering in typical and desert steppes	Scientific Reports	6: 34801	5.525
126	Liao Jinbao, Ying Zhixia, Woolnough Daelyn A., Miller Adam D., Li Zhenqing*, Nijs Ivan	Coexistence of species with different dispersal across landscapes: A critical role of spatial correlation in disturbance	Proceedings of the Royal Society B-Biological Sciences	283: 20160537	5.366
127	Liu Shaoda, Lu Xixi*, Xia Xinghui*, Zhang Shurong, Ran Lishan, Yang Xiankun, Liu Ting	▲ Dynamic biogeochemical controls on river pCO ₂ and recent changes under aggravating river impoundment: An example of the subtropical Yangtze River	Global Biogeochemical Cycles	30(6): 880-897	5.312
128	Ding Jinzhi, Chen Leiyi, Zhang Beibei, Liu Li, Yang Guibiao, Fang Kai, Chen Yongliang, Li Fei, Kou Dan, Ji Chengjun, Luo Yiqi, Yang Yuanhe*	Linking temperature sensitivity of soil CO ₂ release to substrate, environmental, and microbial properties across alpine ecosystems	Global Biogeochemical Cycles	30(9): 1310-1323	5.312

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129	Tian Dashuan, Niu Shuli, Pan Qingmin*, Ren Tingting, Chen Shiping, Bai Yongfei, Han Xingguo	Nonlinear responses of ecosystem carbon fluxes and water-use efficiency to nitrogen addition in Inner Mongolia grassland	Functional Ecology	30(3): 490-499	5.286
130	Chen Dima, Li Jianjun, Lan Zhichun, Hu Shuijin, Bai Yongfei*	Soil acidification exerts a greater control on soil respiration than soil nitrogen availability in grasslands subjected to long-term nitrogen enrichment	Functional Ecology	30(4): 658-669	5.286
131	Ma Xiaokai, Shi Jun, Banziger Hans, Sun Yangna, Guo Yanyan, Liu Zhongjian, Johnson Steven D., Luo Yibo*	The functional significance of complex floral colour pattern in a food-deceptive orchid	Functional Ecology	30(5): 721-732	5.286
132	Cheng Junhui, Chu Pengfei, Chen Dima, Bai Yongfei*	Functional correlations between specific leaf area and specific root length along a regional environmental gradient in Inner Mongolia grasslands	Functional Ecology	30(6): 985-997	5.286
133	Zhang Yunhai, Stevens Carly J., Lv Xiaotao*, He Nianpeng, Huang Jianhui, Han Xingguo*	Fewer new species colonize at low frequency N addition in a temperate grassland	Functional Ecology	30(7): 1247-1256	5.286
134	Zhao Xiaoqian, Guo Qinghua*, Su Yanjun, Xue Baolin	Improved progressive TIN densification filtering algorithm for airborne LIDAR data in forested areas	ISPRS Journal of Photogrammetry and Remote Sensing	117: 79-91	5.062
135	Hu Xiaokang, Liu Lingli, Zhu Biao, Du Enzai, Hu Xueyang, Li Peng, Zhou Zhang, Ji Chengjun, Zhu Jiangling, Shen Haihua, Fang Jingyun*	▲Asynchronous responses of soil carbon dioxide, nitrous oxide emissions and net nitrogen mineralization to enhanced fine root input	Soil Biology & Biochemistry	92: 67-78	5.041
136	Liu Changcheng, Liu Yuguo, Guo Ke*, Zhao Haiwei, Qiao Xianguo, Wang Shijie, Zhang Lin, Cai Xianli	Mixing litter from deciduous and evergreen trees enhances decomposition in a subtropical karst forest in southwestern China	Soil Biology & Biochemistry	101: 44-54	5.041
137	Spicer Robert A., Yang Jian, Herman Alexei B., Kodrul Tatiana, Maslova Natalia, Spicer Teresa E. V., Aleksandrova Galina, Jin Jianhua*	▲Asian Eocene monsoons as revealed by leaf architectural signatures	Earth and Planetary Science Letters	449: 61-68	4.971
138	Yu Shengxiang, Janssens Steven B., Zhu Xiangyun, Liden Magnus, Gao Tiangang, Wang Wei*	Phylogeny of <i>Impatiens</i> (Balsaminaceae): Integrating molecular and morphological evidence into a new classification	Cladistics	32(2): 179-197	4.957
139	Raskoti Bhakta Bahadur, Jin Weitao, Xiang Xiaoguo, Schuiteman Andre, Li Dezhu, Li Jianwu, Huang Weichang, Jin Xiaohua*, Huang Luqi*	A phylogenetic analysis of molecular and morphological characters of <i>Herminium</i> (Orchidaceae, Orchideae): Evolutionary relationships, taxonomy, and patterns of character evolution	Cladistics	32(2): 198-210	4.957
140	Zafar Muhammad Usama*, Ahmed Moinuddin, Rao Mukund Palat, Buckley Brendan M., Khan Nasrullah, Wahab Muhammad, Palmer Jonathan	▲Karakorum temperature out of phase with hemispheric trends for the past five centuries	Climate Dynamics	46(5): 1943-1952	4.886
141	Yang Zhenle *, Ji Hongying, Liu Dantong	Oil biosynthesis in underground oil-rich storage vegetative tissue: Comparison of <i>Cyperus esculentus</i> tuber with oil seeds and fruits	Plant and Cell Physiology	57(2): 2519-2540	4.847
142	Qi Shilian, Lin Qingfang, Zhu Huishan, Gao Fenghua, Zhang Wenhao, Hua Xuejun*	The RING finger E3 ligase SpRing is a positive regulator of salt stress signaling in salt-tolerant wild tomato species	Plant and Cell Physiology	57(3): 528-539	4.847
143	Xi Hongmei, Xu Hua, Xu Wenxiu, He Zhenyan, Xu Wenzhong*, Ma Mi*	A SAL1 loss-of-function <i>Arabidopsis</i> mutant exhibits enhanced cadmium tolerance in association with alleviation of endoplasmic reticulum stress	Plant and Cell Physiology	57(6): 1210-1219	4.847
144	Yang An, Zhang Wenhao*	A small GTPase, OsRab6a, is involved in the regulation of iron homeostasis in rice	Plant and Cell Physiology	57(6): 1271-1280	4.847
145	Li Jingrui, Wei Xuezhi, Yu Pengli, Deng Xin, Xu Wenxiu, Ma Mi, Zhang Haiyan*	Expression of <i>cadR</i> enhances its specific activity for Cd detoxification and accumulation in <i>Arabidopsis</i>	Plant and Cell Physiology	57(8): 1720-1731	4.847
146	Wang Jin, Jin Zhangdong*, Hilton Robert G., Zhang Fei, Li Gen, Densmore Alexander L., Gröcke Darren R., Xu Xiaomei, West A. Joshua	▲Earthquake-triggered increase in biospheric carbon export from a mountain belt	Geology	44(6): 471-474	4.813

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147	Liu Wu, Tu Wenfeng, Liu Yang, Sun Ruixue, Liu Cheng, Yang Chunhong*	The N-terminal domain of Lhcb proteins is critical for recognition of the LHCII kinase	Biochimica et Biophysica Acta - Bioenergetics	1857(1): 79-88	4.784
148	Ding Shunhua, Jiang Rui, Lu Qingtao, Wen Xiaogang, Lu Congming*	Glutathione reductase 2 maintains the function of photosystem II in <i>Arabidopsis</i> under excess light	Biochimica et Biophysica Acta - Bioenergetics	1857(6): 665-677	4.784
149	Kish Elizabeth, Wang Ke, Llansola-Portoles Manuel J.*, Illoaia Cristian, Pascal Andrew A., Robert Bruno, Yang Chunhong	▲ Probing the pigment binding sites in LHCII with resonance Raman spectroscopy: The effect of mutations at S123	Biochimica et Biophysica Acta - Bioenergetics	1857(9): 1490-1496	4.784
150	Reimers Jeffrey R.*, Biczysko Malgorzata, Bruce Douglas, Coker David F., Frankcombe Terry J., Hashimoto Hideki, Hauer Juergen, Jankowiak Ryszard, Kramer Tobias, Linnanto Juha, Mamedov Fikret, Mueh Frank, Ratsep Margus, Renger Thomas, Styring Stenbjorn, Wan Jian, Wang Zhuan, Wang-Otomo Zheng-Yu, Weng Yuxiang, Yang Chunhong, Zhang Jianping, Freiberg Arvi*, Krausz Elmars*	▲ Challenges facing an understanding of the nature of low-energy excited states in photosynthesis	Biochimica et Biophysica Acta - Bioenergetics	1857(9): 1627-1640	4.784
151	Huang Jihong, Huang Jianhua, Liu Canran, Zhang Jinlong, Lu Xinghui, Ma Keping*	▲ Diversity hotspots and conservation gaps for the Chinese endemic seed flora	Biological Conservation	198: 104-112	4.748
152	Chen Dima, Cheng Junhui, Chu Pengfei, Mi Jia, Hu Shuijin, Xie Yichun, Tuvshintogtokh Indree, Bai Yongfei*	Effect of diversity on biomass across grasslands on the Mongolian Plateau: Contrasting effects between plants and soil nematodes	Journal of Biogeography	43(5): 955-966	4.723
153	Xiang Xiaoguo, Mi Xiangcheng, Zhou Hailang, Li Jianwu, Chung Shih-Wen, Li Dezhu, Huang Weichang, Jin Weitao, Li Zhenyu, Huang Luqi, Jin Xiaohua*	Biogeographical diversification of mainland Asian <i>Dendrobium</i> (Orchidaceae) and its implications for the historical dynamics of evergreen broad-leaved forests	Journal of Biogeography	43(7): 1310-1323	4.723
154	Chen Yongliang, Ding Jinzhi, Peng Yunfeng, Li Fei, Yang Guibiao, Liu Li, Qin Shuqi, Fang Kai, Yang Yuanhe*	Patterns and drivers of soil microbial communities in Tibetan alpine and global terrestrial ecosystems	Journal of Biogeography	43(10): 2027-2039	4.723
155	Wang Yi, Liu Xianju, Ren Chong, Zhong Ganyuan, Yang Long, Li Shaohua*, Liang Zhenchang	Identification of genomic sites for CRISPR/Cas9-based genome editing in the <i>Vitis vinifera</i> genome	BMC Plant Biology	16: 96	4.604
156	Li Qiaoxia, Huo Qingdi, Wang Juan, Zhao Jing, Sun Kun*, He Chaoying*	▲ Expression of B-class MADS-box genes in response to variations in photoperiod is associated with chasmogamous and cleistogamous flower development in <i>Viola philippica</i>	BMC Plant Biology	16: 151	4.604
157	Jiang Yanling, Xu Zhenzhu*, Zhou Guangsheng*, Liu Tao	Elevated CO ₂ can modify the response to a water status gradient in a steppe grass: From cell organelles to photosynthetic capacity to plant growth	BMC Plant Biology	16: 157	4.604
158	Li Peng, Zhu Jianxiao, Hu Huifeng, Guo Zhaodi, Pan Yude, Birdsey Richard A., Fang Jingyun*	▲ The relative contributions of forest growth and areal expansion to forest biomass carbon	Biogeosciences	13(2): 375-388	4.477
159	Van der Voort Tessa Sophia*, Hagedorn Frank, McIntyre Cameron, Zell Claudia, Walthert Lorenz, Schleppi Patrick, Feng Xiaojuan, Eglinton Timothy Ian	▲ Variability in ¹⁴ C contents of soil organic matter at the plot and regional scale across climatic and geologic gradients	Biogeosciences	13(11): 3427-3439	4.477
160	Chang Jinfeng*, Ciais Philippe, Herrero Mario, Havlik Petr, Campioli Matteo, Zhang Xianzhou, Bai Yongfei, Viovy Nicolas, Joiner Joanna, Wang Xuhui, Peng Shushi, Yue Chao, Piao Shilong, Wang Tao, Hauglustaine Didier A., Soussana Jean-Francois, Peregon Anna, Kosykh Natalya, Mironycheva-Tokareva Nina	▲ Combining livestock production information in a process-based vegetation model to reconstruct the history of grassland management	Biogeosciences	13(12): 3757-3776	4.477

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161	Yang Xian, Chi Xiulian, Ji Chengjun, Liu Hongyan, Ma Wenhong, Mohhammat Anwar, Shi Zhaoyong, Wang Xiangping, Yu Shunli, Yue Ming, Tang Zhiyao*	▲Variations of leaf N and P concentrations in shrubland biomes across northern China: Phylogeny, climate, and soil	Biogeosciences	13(15): 4429-4438	4.477
162	Tu Wenfeng, Li Yang, Liu Wu, Wu Lishuan, Xie Xiaoyan, Zhang Yuanming, Wilhelm Christian, Yang Chunhong*	Spring ephemerals adapt to extremely high light conditions via an unusual stabilization of photosystem II	Frontiers in Plant Science	6: 1189	4.461
163	Wang Lei, Chong Kang*	The essential role of cytokinin signaling in root apical meristem formation during somatic embryogenesis	Frontiers in Plant Science	6: 1196	4.461
164	Song Xiliang, Zhou Guangsheng*, Xu Zhenzhu, Lv Xiaomin, Wang Yuhui*	Detection of photosynthetic performance of <i>Stipa bungeana</i> seedlings under climatic change using chlorophyll fluorescence imaging	Frontiers in Plant Science	6: 1254	4.461
165	Lv Xiaomin, Zhou Guangsheng*, Wang Yuhui, Song Xiliang	Sensitive indicators of zonal <i>Stipa</i> species to changing temperature and precipitation in Inner Mongolia grassland, China	Frontiers in Plant Science	7: 73	4.461
166	Ye Xuehua, Zhang Yalin, Liu Zhilan, Gao Shuqin, Song Yaobin, Liu Fenghong, Dong Ming*	Plant Clonal integration mediates the horizontal redistribution of soil resources, benefiting neighboring plants	Frontiers in Plant Science	7: 77	4.461
167	Xing Shilai, Kang Lifang, Xu Qin, Fan Yangyang, Liu Wei, Zhu Caiyun, Song Zhihong, Wang Qian, Yan Juan*, Li Jianqiang, Sang Tao*	The coordination of gene expression within photosynthesis pathway for acclimation of C ₄ energy crop <i>Miscanthus lutarioriparius</i>	Frontiers in Plant Science	7: 109	4.461
168	Zhu Xiaopei, Chai Min, Li Yang, Sun Meiyu, Zhang Jinzheng, Sun Guofeng, Jiang Chuangdao, Shi Lei*	Global transcriptome profiling analysis of inhibitory effects of paclobutrazol on leaf growth in lily (<i>Lilium Longiflorum</i> -Asiatic Hybrid)	Frontiers in Plant Science	7: 491	4.461
169	Li Qi, Deng Zhuyun, Gong Chunyan, Wang Tai*	The rice eukaryotic translation initiation factor 3 subunit f (OsEF3f) is involved in microgametogenesis	Frontiers in Plant Science	7: 532	4.461
170	Yu Xianxian, Duan Xiaoshan, Zhang Rui, Fu Xuehao, Ye Lingling, Kong Hongzhi, Xu Guixia*, Shan Hongyan*	Prevalent exon-intron structural changes in the <i>APETALA1/FRUITFULL</i> , <i>SEPALLATA</i> , <i>AGAMOUS-LIKE6</i> , and <i>FLOWERING LOCUS C</i> MADS-box gene subfamilies provide new insights into their evolution	Frontiers in Plant Science	7: 598	4.461
171	Xie Xiufang, Hu Yukun, Pan Xu, Liu Fenghong, Song Yaobin*, Dong Ming*	▲Biomass allocation of stoloniferous and rhizomatous plantin response to resource availability: A phylogenetic meta-analysis	Frontiers in Plant Science	7: 603	4.461
172	Dai Zhanwu*, Wu Huan, Baldazzi Valentina, van Leeuwen Cornelis, Bertin Nadia, Gautier Helene, Wu Benhong, Duchene Eric, Gomes Eric, Delrot Serge, Lescourret Francoise, Genard Michel	▲Inter-species comparative analysis of components of soluble sugar concentration in fleshy fruits	Frontiers in Plant Science	7: 649	4.461
173	Xu Zhenzhu*, Jiang Yanling, Jia Bingrui, Zhou Guangsheng*	Elevated-CO ₂ response of stomata and its dependence on environmental factors	Frontiers in Plant Science	7: 657	4.461
174	Yu Huatao, Wang Tai*	Proteomic dissection of endosperm starch granule associated proteins reveals a network coordinating starch biosynthesis and amino acid metabolism and glycolysis in rice endosperms	Frontiers in Plant Science	7: 707	4.461
175	Liu Fenghong*, Liu Jian, Dong Ming*	Ecological consequences of clonal integration in plants	Frontiers in Plant Science	7: 770	4.461
176	Duan Wei, Xu Hongguo, Liu Guotian, Fan Peige, Liang Zhenchang, Li Shaohua*	Genome-wide transcriptional profile analysis of <i>Prunus persica</i> in response to low sink demand after fruit removal	Frontiers in Plant Science	7: 883	4.461
177	Zhao Pincang, Liu Panpan, Yuan Guangxiao, Jia Juntao, Li Xiaoxia, Qi Dongmei, Chen Shuangyan, Ma Tian, Liu Gongshe*, Cheng Liqin*	New insights on drought stress response by global investigation of gene expression changes in sheepgrass (<i>Leymus chinensis</i>)	Frontiers in Plant Science	7: 954	4.461

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178	He Gang, Guan Chaonan, Chen Qiangxin, Gou Xijun, Liu Wei, Zeng Qingyin, Lan Ting*	Genome-wide analysis of the glutathione S-transferase gene family in <i>Capsella rubella</i> : Identification, expression, and biochemical functions	Frontiers in Plant Science	7: 1325	4.461
179	Zhang Yingxue, Xu Hengheng, Liu Shujun, Li Ni, Wang Weiqing, Moller Ian M., Song Songquan*	Proteomic analysis reveals different involvement of embryo and endosperm proteins during aging of Yliangyou 2 hybrid rice seeds	Frontiers in Plant Science	7: 1394	4.461
180	Wang Junfang, Wang Shuqin, Liu Guotian, Everard J. Edwards, Duan Wei, Li Shaohua*, Wang Lijun*	The synthesis and accumulation of resveratrol are associated with veraison and abscisic acid concentration in beihong (<i>Vitis vinifera</i> × <i>Vitis amurensis</i>) berry skin	Frontiers in Plant Science	7: 1605	4.461
181	Ago Hideo, Adachi Hideyuki, Umena Yasufumi, Tashiro Takayoshi, Kawakami Keisuke, Kamiya Nobuo, Tian Lirong, Han Guangye, Kuang Tingyun, Liu Zheyi, Wang Fangjun, Zou Hanfa, Enami Isao, Miyano Masashi, Shen Jian-Ren*	▲ Novel features of eukaryotic photosystem II revealed by its crystal structure analysis from a red alga	Journal of Biological Chemistry	291(11): 5676-5687	4.403
182	Wang Xiao, Liu Lin*	Crystal structure and catalytic mechanism of 7-hydroxymethyl chlorophyll <i>a</i> reductase	Journal of Biological Chemistry	291(25): 13349-13359	4.403
183	Zhang Ruihui, Chang Ming, Zhang Meng, Wu Youjun, Qu Xiaolu, Huang Shanjin*	The structurally plastic CH2 domain is linked to distinct functions of fimbrins/plastins	Journal of Biological Chemistry	291(34): 17881-17896	4.403
184	Sun Zhenzhong, Liu Lingli*, Peng Shushi, Penuelas Josep, Zeng Hui, Piao Shilong*	▲ Age-related modulation of the nitrogen resorption efficiency response to growth requirements and soil nitrogen availability in a temperate pine plantation	Ecosystems	19(4): 698-709	4.371
185	Xie Meili, Ren Minglei, Yang Chen, Yi Haisi, Li Zhe*, Li Tao*, Zhao Jindong	▲ Metagenomic analysis reveals symbiotic relationship among bacteria in <i>Microcystis</i> -dominated community	Frontiers in Microbiology	7: 56	4.360
186	Li Boqiang, Peng Huaimin, Tian Shiping*	Attachment capability of antagonistic yeast <i>Rhodotorula glutinis</i> to <i>Botrytis cinerea</i> contributes to biocontrol efficacy	Frontiers in Microbiology	7: 601	4.360
187	Wang Hongjun*, Wang Xinming, Zhang Yanli, Mu Yujing, Han Xingguo	Evident elevation of atmospheric monoterpenes due to degradation-induced species changes in a semi-arid grassland	Science of the Total Environment	541: 1499-1503	4.317
188	Zhou Jihua, Cai Wentao, Qin Yue, Lai Liming, Guan Tianyu, Zhang Xiaolong, Jiang Lianhe, Du Hui, Yang Dawen, Cong Zhentao, Zheng Yuanrun*	Alpine vegetation phenology dynamic over 16 years and its covariation with climate in a semi-arid region of China	Science of the Total Environment	572: 119-128	4.317
189	Xu Zhenzhu*, Jiang Yanling, Zhou Guangsheng	Nitrogen cycles in terrestrial ecosystems: climate change impacts and mitigation	Environmental Reviews	24(2): 132-143	4.296
190	Peng Xianjun, Liu Hui, Wang Dan, Shen Shihua*	Genome-wide identification of the <i>Jatropha curcas</i> MYB family and functional analysis of the abiotic stress responsive gene <i>JcMYB2</i>	BMC Genomics	17: 251	4.276
191	Bai Zetao, Chen Jinfeng, Liao Yi, Wang Meijiao, Liu Rong, Ge Song, Wing Rod A., Chen Mingsheng*	▲ The impact and origin of copy number variations in the <i>Oryza</i> species	BMC Genomics	17: 261	4.276
192	Ren Chong, Zhang Zhan, Wang Yi, Li Shaohua*, Liang Zhenchang*	Genome-wide identification and characterization of the <i>NF-Y</i> gene family in grape (<i>Vitis vinifera</i> L.)	BMC Genomics	17: 605	4.276
193	Wu Qian, Wu Jie, Li Shanshan*, Zhang Huijin, Feng Chengyong, Yin Dandan, Wu Ruyan, Wang Liangsheng*	Transcriptome sequencing and metabolite analysis for revealing the blue flower formation in waterlily	BMC Genomics	17: 897	4.276
194	Gu Yongzhe, Xing Shilai, He Chaoying*	Genome-wide analysis indicates lineage-specific gene loss during papilionoideae evolution	Genome Biology and Evolution	8(3): 635-648	4.257
195	Feng Yanlei, Wicke Susann, Li Jianwu, Han Yu, Lin Choun-Sea, Li Dezhu, Zhou Tingting, Huang Weichang, Huang Luqi, Jin Xiaohua*	Lineage-specific reductions of plastid genomes in an orchid tribe with partially and fully mycoheterotrophic species	Genome Biology and Evolution	8(7): 2164-2175	4.257

序号	全部作者	论文题目	刊物名称	卷期号	IF (5-Year)
196	Li Ziwen, Chen Xi, Wu Qiong, Hagmann Joerg, Han Tingshen, Zou Yupan, Ge Song, Guo Yalong*	On the origin of de novo genes in <i>Ara-bidopsis thaliana</i> populations	Genome Biology and Evolution	8(7): 2190-2202	4.257
197	Liu Changcheng, Liu Yuguo, Guo Ke*, Wang Shijie, Liu Huiming, Zhao Haiwei, Qiao Xianguo, Hou Dongjie, Li Shaobin	Aboveground carbon stock, allocation and sequestration potential during vegetation recovery in the karst region of southwestern China: A case study at a watershed scale	Agriculture, Ecosystems & Environment	235: 91-100	4.233
198	Feng Chengyong, Su Shang, Wang Lijin, Wu Jie, Tang Zhongqiu, Xu Yanjun, Shu Qingyan, Wang Liangsheng*	Antioxidant capacities and anthocyanin characteristics of the black-red wild berries obtained in Northeast China	Food Chemistry	204: 150-158	4.232
199	Neregato Rodrigo*, D'Apolito C., Glasspool I. J., Wang Shijun, Liu Feng, Wind-slow P., Lu J., Shao Longyi, Hilton Jason*	▲ Palynological constraints on the provenance and stratigraphic range of a Lopingian (Late Permian) inter-extinction floral lagerstätte from the Xuanwei Formation, Guizhou Province, China	International Journal of Coal Geology	162: 139-150	4.201
200	Yeo F. K. S. , Wang Y. , Vozabova Tereza , Huneau C. , Leroy Philippe , Chalhoub Boulos , Qi Xiaoquan , Niks R. E. * , Marcel Thierry C.	▲ Haplotype divergence and multiple candidate genes at <i>Rphq2</i> , a partial resistance QTL of barley to <i>Puccinia hordei</i>	Theoretical and Applied Genetics	129(2): 289-304	4.115
201	Wang Liang, Zhang Longjun*, Cai Weijun, Wang Baosen, Yu Zhigang	▲ Consumption of atmospheric CO ₂ via chemical weathering in the Yellow River basin: The Qinghai-Tibet Plateau is the main contributor to the high dissolved inorganic carbon in the Yellow River	Chemical Geology	430: 34-44	4.111
202	Yin Ge, Barrett Spencer C. H., Luo Yibo, Bai Weining*	▲ Seasonal variation in the mating system of a selfing annual with large floral displays	Annals of Botany	117(3): 391-400	4.088
203	Yan Zhengbing, Guan Hanyue, Han Wenxuan, Han Tingshen, Guo Yalong, Fang Jingyun*	▲ Reproductive organ and young tissues show constrained elemental composition in <i>Arabidopsis thaliana</i>	Annals of Botany	117(3): 431-439	4.088
204	Ding Shunhua, Wang Liang, Yang Zhipan, Lu Qingtao, Wen Xiaogang, Lu Congming*	Decreased glutathione reductase2 leads to early leaf senescence in <i>Arabidopsis</i>	Journal of Integrative Plant Biology	58(1): 29-47	3.993
205	Wang Wanqing, Tang Weijiang, Ma Tingting, Niu De, Jin Jingbo, Wang Haiyang, Lin Rongcheng*	A pair of light signaling factors FHY3 and FAR1 regulates plant immunity by modulating chlorophyll biosynthesis	Journal of Integrative Plant Biology	58(1): 91-103	3.993
206	Duan Zhikun, Kong Fanna, Zhang Lin, Li Wenjing, Zhang Jiao, Peng Lianwei*	A bestrophin-like protein modulates the proton motive force across the thylakoid membrane in <i>Arabidopsis</i>	Journal of Integrative Plant Biology	58(10): 848-858	3.993
207	Liu Yanan, Li Yan, Yang Fusheng*, Wang Xiaoquan*	Floral nectary, nectar production dynamics, and floral reproductive isolation among closely related species of <i>Pedicularis</i>	Journal of Integrative Plant Biology	58(2): 178-187	3.993
208	Zhao Jun, Liu Jiangshu, Meng Funing, Zhang Zhenzhen, Long Hao, Lin Wenhui, Luo Xiaomin, Wang Zhiyong, Zhu Shengwei*	ANAC005 is a membrane-associated transcription factor and regulates vascular development in <i>Arabidopsis</i>	Journal of Integrative Plant Biology	58(5): 442-451	3.993
209	Wu Xiaoba, Liu Jinxin, Li Dongqi, Liu Chun-Ming*	Rice caryopsis development I: Dynamic changes in different cell layers	Journal of Integrative Plant Biology	58(9): 772-785	3.993
210	Wu Xiaoba, Liu Jinxin, Li Dongqi, Liu Chun-Ming*	Rice caryopsis development II: Dynamic changes in the endosperm	Journal of Integrative Plant Biology	58(9): 786-798	3.993
211	Chen Mei, Zhang Jin, Zhao Lei, Xing Jiale, Peng Lianwei, Kuang Tingyun, Rochaix Jean-David, Huang Fang*	Loss of algal Proton Gradient Regulation 5 increases reactive oxygen species scavenging and H ₂ evolution	Journal of Integrative Plant Biology	58(12): 943-946	3.993
212	Wang Yangyang, Ji Kuixian, Shen Shihua, Chen Hui*	Probing molecular events associated with early development of thylakoid membranes by comparative proteomics and low temperature fluorescence	Journal of Proteomics	143: 401-415	3.986
213	Liu Ruiling, Wang Yuying, Qin Guozheng, Tian Shiping*	iTRAQ-based quantitative proteomic analysis reveals the role of the tonoplast in fruit senescence	Journal of Proteomics	146: 80-89	3.986
214	Tian Qiuying, Zhang Xinxin, Yang An, Wang Tianzuo, Zhang Wenhao*	CIPK23 is involved in iron acquisition of <i>Arabidopsis</i> by affecting ferric chelate reductase activity	Plant Science	246(70): 70-79	3.981

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215	Tao Shengli, Guo Qinghua*, Wu Fang-fang, Li Le, Wang Shaopeng, Tang Zhiyao, Xue Baolin, Liu Jin, Fang Jingyun	Spatial scale and pattern dependences of aboveground biomass estimation from satellite images: A case study of the Sierra National Forest, California	Landscape Ecology	31(8): 1711-1723	3.964
216	Teixeira da Silva Jaime A. *, Jin Xiaohua*, Dobranszki Judit*, Lu Jiangjie*, Wang Huizhong*, Zotz Gerhard*, Cardoso Jean Carlos*, Zeng Songjun*	▲Advances in <i>Dendrobium</i> molecular research: Applications in genetic variation, identification and breeding	Molecular Phylogenetics and Evolution	95: 196-216	3.954
217	Yan Caifeng, Gessler Arthur, Rigling Andreas, Dobbertin Matthias, Han Xingguo, Li Maihe*	Effects of mistletoe removal on growth, N and C reserves, and carbon and oxygen isotope composition in Scots pine hosts	Tree Physiology	36(5): 562-575	3.891
218	Su Lei, Xu Wenting, Zhao Changming, Xie Zongqiang*, Ju Hua	Inter- and intra-specific variation in stemflow for evergreen species and deciduous tree species in a subtropical forest	Journal of Hydrology	537: 1-9	3.882
219	Chao Qing, Gao Zhifang, Wang Yuefeng, Li Zhe, Huang Xiahe, Wang Yingchun, Mei Yingchang, Zhao Biligengaowa, Li Liang, Jiang Yubo, Wang Baichen*	The proteome and phosphoproteome of maize pollen uncovers fertility candidate proteins	Plant Molecular Biology	91(3): 287-304	3.874
220	Wu Xiaoyuan, Hu Weijuan, Luo Hong, Xia Yan, Zhao Yi, Wang Lidong, Zhang Limin, Luo Jingchu*, Jing Haichun*	Transcriptome profiling of developmental leaf senescence in sorghum (<i>Sorghum bicolor</i>)	Plant Molecular Biology	92(4): 555-580	3.874
221	Qu Luping, Chen Jiquan, Dong Gang, Jiang Shicheng, Li Linghao, Guo Jixun*, Shao Changliang*	▲Heat waves reduce ecosystem carbon sink strength in a Eurasian meadow steppe	Environmental Research	144: 39-48	3.827
222	Han Juanjuan, Li Linghao, Chu Housen, Miao Yuan, Chen Shiping, Chen Jiquan*	▲The effects of grazing and watering on ecosystem CO ₂ fluxes vary by community phenology	Environmental Research	144: 64-71	3.827
223	Zhang Wenhao*, Luo Zhibin, Fan Liumin, Qu Lijia	A glimpse of environmental plant science in China	Environmental and Experimental Botany	129: 1-3	3.707
224	Li Caihong, Meng Jie, Guo Liyue, Jiang Gaoming*	Effects of ozone pollution on yield and quality of winter wheat under flaxweed competition	Environmental and Experimental Botany	129: 77-84	3.707
225	Cheng Yao, Tian Qiuying, Zhang Wenhao*	Glutamate receptors are involved in mitigating effects of amino acids on seed germination of <i>Arabidopsis thaliana</i> under salt stress	Environmental and Experimental Botany	130: 68-78	3.707
226	Shi Yaohui, Zhou Guangsheng*, Jiang Yanling, Wang Hui, Xu Zhenzhu	▲Does precipitation mediate the effects of elevated CO ₂ on plant growth in the grass species <i>Stipa grandis</i> ?	Environmental and Experimental Botany	131:146-154	3.707
227	Cohen Joel E.*, Lai Jiangshan, Coomes David A., Allen Robert B.	▲Taylor's law and related allometric power laws in New Zealand mountain beech forests: the roles of space, time and environment	Oikos	125(9): 1342-1357	3.705
228	Feng Xiaojuan*, Feakins Sarah J. *, Liu Zongguang, Ponton Camilo, Wang Renee Z., Karkabi Elias, Galy Valier, Berelson William M., Nottingham Andrew T., Meir Patrick, West A. Joshua	Source to sink: Evolution of lignin composition in the Madre de Dios River system with connection to the Amazon basin and offshore	Journal of Geophysical Research: Biogeosciences	121(5): 1316-1338	3.651
229	Chen Leiyi, Li Pin, Yang Yuanhe*	Dynamic patterns of nitrogen: Phosphorus ratios in forest soils of China under changing environment	Journal of Geophysical Research: Biogeosciences	121(9): 2410-2421	3.651
230	Zhang Yujin, Qin Dahe, Yuan Wenping*, Jia Bingrui	▲Historical trends of forest fires and carbon emissions in China from 1988 to 2012	Journal of Geophysical Research: Biogeosciences	121(9): 2506-2517	3.651
231	Jia Wenxiao, Liu Min*, Yang Yuanhe, He Honglin, Zhu Xudong, Yang Fang, Yin Cai, Xiang Weining	▲Estimation and uncertainty analyses of grassland biomass in Northern China: Comparison of multiple remote sensing data sources and modeling approaches	Ecological Indicators	60: 1031-1040	3.649
232	Lixin Lyu, Zhang Qibin *, Deng Xu, Mäkinen Harri	Fine-scale distribution of treeline trees and the nurse plant facilitation on the eastern Tibetan Plateau	Ecological Indicators	66: 251-258	3.649

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233	Wang Yan, Gu Yongzhe, Gao Huihui, Qiu Lijuan, Chang Ruzhen, Chen Shouyi, He Chaoying*	Molecular and geographic evolutionary support for the essential role of <i>GIGANTEA</i> in soybean domestication of flowering time	BMC Evolutionary Biology	16: 79	3.608
234	Liu Cheng, Gao Zhimin, Liu Kun, Sun Ruixue, Cui Chunbo, Holzwarth Alfred R., Yang Chunhong*	Simultaneous refolding of denatured PsbS and reconstitution with LHCII into liposomes of thylakoid lipids	Photosynthesis Research	127(1): 109-116	3.600
235	Fan Dayong, Ye Zipiao, Wang Shichang, Chow Wah Soon *	Multiple roles of oxygen in the photoinactivation and dynamic repair of photosystem II in spinach leaves	Photosynthesis Research	127(3): 307-319	3.600
236	Dong Xiumei, Li Yuan, Chao Qing, Shen Jie, Gong Xiuji, Zhao Biligengaowa, Wang Baichen*	Analysis of gene expression and histone modification between C_4 and non- C_4 homologous genes of <i>PPDK</i> and <i>PCK</i> in maize	Photosynthesis Research	129(1): 71-83	3.600
237	Fan Dayong, Fitzpatrick Duncan, Oguchi Riichi, Ma Weimin, Kou Jiancun, Chow Wah Soon*	Obstacles in the quantification of the cyclic electron flux around Photosystem I in leaves of C_3 plants	Photosynthesis Research	129(3): 239-251	3.600
238	Guan Le, Dai Zhanwu*, Wu Benhong, Wu Jing, Merlin Isabelle, Hilbert Ghislaine, Renaud Christel, Gomes Eric, Edwards Everard, Li Shaohua, Delrot Serge	▲Anthocyanin biosynthesis is differentially regulated by light in the skin and flesh of white-fleshed and teinturier grape berries	Planta	243(1): 23-41	3.593
239	Ning Deli, Liu Kehui, Liu Changcai, Liu Jinwen, Qian Chunrong, Yu Yang, Wang Yuefeng, Wang Yingchun*, Wang Baichen*	▲Large-scale comparative phosphoprotein analysis of maize seedling leaves during greening	Planta	243(2): 501-517	3.593
240	Liu Xiang, Zhang Jian, Abuhmad Ahmad, Franks Robert G. *, Xie Deyu*, Xiang Qiuyun*	▲Analysis of two <i>TFL1</i> homologs of dogwood species (<i>Cornus</i> L.) indicates functional conservation in control of transition to flowering	Planta	243(5): 1129-1141	3.593
241	Liu Tao, Xu Zhenzhu*, Hou Yanhui, Zhou Guangsheng*	Effects of warming and changing precipitation rates on soil respiration over two years in a desert steppe of northern China	Plant and Soil	400: 15-27	3.581
242	Liu Nana, Tian Qiuying, Zhang Wenhao*	<i>Artemisia frigida</i> and <i>Stipa krylovii</i> , two dominant species in Inner Mongolia steppe, differed in their responses to elevated atmospheric CO ₂ concentration	Plant and Soil	409: 117-129	3.581
243	Feng Chengyong, Li Shanshan*, Yin Dandan, Zhang Huijin, Tian Daike, Wu Qian, Wang Lijin, Su Shang, Wang Liangsheng*	Rapid determination of flavonoids in plumes of sacred lotuscultivars and assessment of their antioxidant activities	Industrial Crops and Products	87: 96-104	3.554
244	Wang Jianyong, Mo Fei, Ngulu Simon N., Zhou Hong, Ren Hongxu, Zhang Jian, Kariuki Charles W., Gicheru Patric, Kavaji Levis, Xiong Youcai*, Li Fengmin	▲Exploring micro-field water-harvesting farming system in dryland wheat (<i>Triticum aestivum</i> L.): An innovative management for semiarid Kenya	Field Crops Research	196: 207-218	3.541
245	Guo Yanyan, Huang Laiqiang, Liu Zhongjian*, Wang Xiaoquan*	▲Promise and challenge of DNA barcoding in venus slipper (<i>Paphiopedilum</i>)	PLoS ONE	11(1): e146880	3.535
246	Xiang Kunli, Wu Shengdan, Yu Shengxian, Liu Yang, Jabbour Florian, Erst Andrey S., Zhao Liang, Wang Wei*, Chen Zhiduan	The first comprehensive phylogeny of <i>Coptis</i> (Ranunculaceae) and its implications for character evolution and classification	PLoS ONE	11(4): e153127	3.535
247	Nie Xiuqing, Yang Yuanhe, Yang Lucun, Zhou Guoying*	▲Above- and belowground biomass allocation in shrub biomes across the northeast Tibetan Plateau	PLoS ONE	11(4): e154251	3.535
248	Zhang Qianqian, Smith Thierry, Yang Jian*, Li Chengsen*	Evidence of a cooler continental climate in East China during the warm Early Cenozoic	PLoS ONE	11(5): e155507	3.535
249	Su Zhihao, Zhang Mingli*	▲Evolutionary history of a desert shrub <i>Ephedra przewalskii</i> (Ephedraceae): Allopatric divergence and range shifts in northwestern China	PLoS ONE	11(6): e158284	3.535
250	Lv Lixin, Deng Xu, Zhang Qibin*	Elevation pattern in growth coherency on the southeastern Tibetan Plateau	PLoS ONE	11(9): e163201	3.535

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251	Xu Zhe, Zhang Mingli*, Cohen James I.	▲Phylogeographic history of <i>Atraphaxis</i> Plants in arid northern China and the origin of <i>A. bracteata</i> in the Loess Plateau	PLoS ONE	11(9): e163243	3.535
252	Dianne Edwards*, Geng Baoyin, Li Chengsen	New plants from the Lower Devonian Pingyipu Group, Jiangyou County, Sichuan Province, China	PLoS ONE	11(11): e163549	3.535
253	Han Baocai, Wei Wei, Mi Xiangcheng, Ma Keping*	<i>De Novo</i> sequencing and comparative analysis of <i>Schima superba</i> seedlings to explore the response to drought stress	PLoS ONE	11(12): e166975	3.535
254	Dong Wei, Wang Jia, Niu Guoqi, Zhao Shun, Liu Lin*	Crystal structure of the zinc-bound HhoA protease from <i>Synechocystis</i> sp. PCC 6803	FEBS Letters	590(19): 3435-3442	3.478
255	Su Shang, Wang Lijin, Feng Chengyong, Liu Yang, Li Chonghui, Du Hui, Tang Zhongqiu, Xu Yanjun, Wang Liangsheng*	Fingerprints of anthocyanins and flavonols of <i>Vaccinium uliginosum</i> berries from different geographical origins in the Greater Khingan Mountains and their antioxidant capacities	Food Control	64: 218-225	3.458
256	Xu Hengheng, Liu Shujun, Song Shunhua, Wang Ruixia, Wang Weiqing, Song Songquan*	Proteomics analysis reveals distinct involvement of embryo and endosperm proteins during seed germination in dormant and non-dormant rice seeds	Plant Physiology and Biochemistry	103: 219-242	3.434
257	Guo Liyue, Wu Guanglei, Li Yong, Li Caihong, Liu Wenjing, Meng Jie, Liu Haitao, Yu Xiaofan, Jiang Gaoming*	Effects of cattle manure compost combined with chemical fertilizer on topsoil organic matter, bulk density and earthworm activity in a wheat-maize rotation system in eastern China	Soil & Tillage Research	156: 140-147	3.371
258	Yang Xuejun, Huang Zhenying*, Venable David L.*, Wang Lei, Zhang Keliang, Baskin Jerry M., Baskin Carol C., Cornelissen Johannes H. C.	Linking performance trait stability with species distribution: The case of <i>Artemisia</i> and its close relatives in northern China	Journal of Vegetation Science	27(1): 123-132	3.310
259	Gu Qian, Chang Scott X., Wang Zhiping*, Feng Jinchao, Chen Quansheng, Han Xingguo	Microbial versus non-microbial methane releases from fresh soils at different temperatures	Geoderma	284: 178-184	3.310
260	Liu Weixing*, Steven D. Allison, Xia Jianyang, Liu Lingli, Wan Shiqiang	Precipitation regime drives warming responses of microbial biomass and activity in temperate steppe soils	Biology and Fertility of Soils	52(4): 469-477	3.287
261	Hu Tianyu, Su Yanjun, Xue Baolin, Liu Jin, Zhao Xiaoqian, Fang Jingyun, Guo Qinghua*	Mapping global forest aboveground biomass with spaceborne LiDAR, optical imagery, and forest inventory data	Remote Sensing	8(7): 565	3.278
262	Lin Xiaohui, Zhang Wen*, Huang Yao*, Sun Wenjuan, Han Pengfei, Yu Lingfei, Sun Feifei	Empirical estimation of near-surface air temperature in China from MODIS LST data by considering physiographic features	Remote Sensing	8(8): 629	3.278
263	He Xuezhi, Wang Shijun, Wan Mingli, Hilton Jason, Wang Jun*	▲Gigantopteris Schenk ex Yabe in the Capitanian–Wuchiapingian (middle-late Permian) flora of central Shanxi in North China	Journal of Asian Earth Sciences	116: 115-121	3.245
264	Yang Chunhong*	Adaptive plant physiology in extreme environments	Journal of Plant Physiology	194: 1	3.241
265	Liu Shujun, Xu Hengheng, Wang Weiqing, Li Ni, Wang Weiping, Lu Zhuang, Ian Max Møller, Song Songquan*	Identification of embryo proteins associated with seed germination and seedling establishment in germinating rice seeds	Journal of Plant Physiology	196-197: 79-92	3.241
266	Chen Yibo, Wang Dan, Ge Xuanliang, Zhao Biligengaowa, Wang Xuchu*, Wang Baichen*	Comparative proteomics of leaves found at different stem positions of maize seedlings	Journal of Plant Physiology	198: 116-128	3.241
267	Xu Huimin, Cao Dechang, Feng Jinling, Wu Hongyang, Lin Jinxing, Wang Yanwei*	▲Transcriptional regulation of vascular cambium activity during the transition from juvenile to mature stages in <i>Cunninghamia lanceolata</i>	Journal of Plant Physiology	200: 7-17	3.241
268	Xu Hengheng, Liu Shujun, Song Shunhua, Wang Weiqing, Møller Ian Max, Song Songquan*	Proteome changes associated with dormancy release of Dongxiang wild rice seeds	Journal of Plant Physiology	206: 68-86	3.241

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269	Zou Yi, Sang Weiguo*, Warren-Thomas Eleanor, Axmacher Jan Christoph*	▲ Geometrid moth assemblages reflect high conservation value of naturally regenerated secondary forests in temperate China	Forest Ecology and Management	374: 111-118	3.230
270	Li Guoqing, Xu Guanghua, Guo Ke, Du Sheng*	▲ Geographical boundary and climatic analysis of <i>Pinus tabulaeformis</i> in China: Insights on its afforestation	Ecological Engineering	86: 75-84	3.223
271	Yan Weiming, Zhong Yangquanwei, Zheng Shuxia, Shangguan Zhouping*	▲ Linking plant leaf nutrients/stoichiometry to water use efficiency on the Loess Plateau in China	Ecological Engineering	87: 124-131	3.223
272	Zhang Aiyang, Fan Dayong, Li Zhaojia, Xiong Gaoming, Xie Zongqiang*	Enhanced photosynthetic capacity by perennials in the riparian zone of the Three Gorges Reservoir Area, China	Ecological Engineering	90: 6-11	3.223
273	Xu Yangyang, Wu Hanying, Zhao Mingming, Wu Wang, Yingnong Xu, Gu Dan*	Overexpression of the transcription factors GmSHN1 and GmSHN9 differentially regulates wax and cutin biosynthesis, alters cuticle properties, and changes leaf phenotypes in <i>Arabidopsis</i>	International Journal of Molecular Sciences	17(4): 587	3.213
274	Liu Wenxian, Zhang Zhengshe, Chen Shuangyan, Ma Lichao, Wang Hucheng, Dong Rui, Wang Yanrong, Liu Zhipeng*	▲ Global transcriptome profiling analysis reveals insight into saliva-responsive genes in alfalfa	Plant Cell Reports	35(3): 561-571	3.187
275	Yuan Yangyang, Fang Linchuan, Karungo Sospeter Karanja, Zhang Langlang, Gao Yingying, Li Shaohua, Xin Haiping*	▲ Overexpression of <i>VaPAT1</i> , a GRAS transcription factor from <i>Vitis amurensis</i> , confers abiotic stress tolerance in <i>Arabidopsis</i>	Plant Cell Reports	35(3): 655-666	3.187
276	Xia Yongxiu, Chen Tong, Qin Guozheng, Li Boqiang, Tian Shiping*	Synergistic action of antioxidative systems contributes to the alleviation of senescence in kiwifruit	Postharvest Biology and Technology	111: 15-24	3.181
277	Liu Ruiling, Wang Yuying, Qin Guozheng, Tian Shiping*	Molecular basis of 1-methylcyclopropene regulating organic acid metabolism in apple fruit during storage	Postharvest Biology and Technology	117: 57-63	3.181
278	Tian Shiping*, Torres R., Ballester A-R., Li Boqiang, Vilanova L., Gonzalez-Candelas L.*	Molecular aspects in pathogen-fruit interactions: Virulence and resistance	Postharvest Biology and Technology	122: 11-21	3.181
279	Romanazzi Gianfranco*, Sanzani Simona Marianna, Bi Yang, Tian Shiping, Martinez Porfirio Gutierrez, Alkan Noam	▲ Induced resistance to control postharvest decay of fruit and vegetables	Postharvest Biology and Technology	122: 82-94	3.181
280	Herman Alexei B.*, Spicer Robert A., Spicer Teresa E. V.	▲ Environmental constraints on terrestrial vertebrate behaviour and reproduction in the high Arctic of the Late Cretaceous	Palaeogeography, Palaeoclimatology, Palaeoecology	441: 317-338	3.020
281	Li Shufeng, Jacques Frederic M. B., Spicer Robert A., Su Tao, Spicer Teresa E. V., Yang Jian, Zhou Zhekun*	▲ Artificial neural networks reveal a high-resolution climatic signal in leaf physiognomy	Palaeogeography, Palaeoclimatology, Palaeoecology	442: 1-11	3.020
282	Kumar Madhav, Spicer Robert A., Spicer Teresa E. V., Shukla Anumeha, Mehrotra R. C.*, Monga Priyanka	▲ Palynostratigraphy and palynofacies of the early Eocene Gurha lignite mine, Rajasthan, India	Palaeogeography, Palaeoclimatology, Palaeoecology	461: 98-108	3.020

注: 表中为植物所 2016 年发表的主要论文。

▲: 植物所与其他单位合作完成的论文。

*: 论文通讯作者。



2016 年获批的国家自然科学基金项目（不含面上项目等）

项目名称	项目类型	负责人	合同经费(万)	起止时间
放牧对典型草原生态系统磷循环的影响：生物过程与机制	重点项目	白永飞	291	2017.01—2021.12
泛喜马拉雅地区植物调查和《泛喜马拉雅植物志》的编研	国际(地区)合作与交流项目/ 重点项目	洪德元	285	2017.01—2021.12
新性状起源的分子机制和叠加效应研究——以黑种草属植物花瓣的表型复杂化为例	重大研究计划/集成项目	孔宏智	275	2017.01—2019.12
Deg 蛋白酶调控光系统 II 复合物组装的机理研究	国际(地区)合作与交流项目/ 组织间合作	张立新	169	2017.01—2019.12
玉米抗旱性的分子遗传学	国家杰出青年科学基金	秦 峰	350	2017.01—2021.12
光合膜复合物结构、功能及生物发生	优秀青年科学基金项目	秦晓春	130	2017.01—2019.12

2016 年获批的科技部项目

项目(课题)名称	项目类型	负责人	合同经费(万)	起止时间
北方农牧交错带草地退化机理及生态修复技术集成示范	国家重点研发计划项目	韩兴国	3200	2016.7—2020.12
果蔬采后质量与品质控制关键技术研究及装备开发	国家重点研发计划项目	田世平	2600	2016.7—2020.12
其他作物抗逆性状形成的分子基础	国家重点研发计划课题	秦 峰	1300	2016.07—2020.12
提高光合作用和同化物分配的分子机制	国家重点研发计划课题	林荣呈	1015	2016.07—2020.12
基于地面观测与近地面遥感数据融合的生态系统评估参照数据集构建	国家重点研发计划课题	郭庆华	750	2016.07—2020.12
生态系统碳源汇形成的作用机理及效应	国家重点研发计划课题	王智平	580	2016.06—2021.05
植被关键参量自动监测设备研制	国家重点研发计划课题	陈世苹	540	2016.07—2020.12
极小种群野生植物生存潜力与维持机制研究	国家重点研发计划课题	李镇清	506	2016.07—2020.12
锡林郭勒—乌兰察布高原沙化土地治理与沙产业技术研发及示范	国家重点研发计划课题	白永飞	450	2016.07—2020.12
天然草地退化原因、过程与机制	国家重点研发计划课题	王仁忠	410	2016.07—2020.12
北方草甸草地退化多尺度机理与评估标准	国家重点研发计划课题	李凌浩	385	2016.07—2020.12
标本资源共享平台	科技基础条件平台	马克平	2160	2017.01—2017.12

2016 年获批的中科院项目				
项目(课题)名称	项目类型	负责人	合同经费(万)	起止时间
自然光合作用中光能高效转换和水裂解的微观机理	先导 B 类课题	匡廷云	2344	2016.07—2021.06
生态草牧业试验区建设核心技术集成与示范	院重点部署项目	景海春	1000	2016.01—2016.12
高值特色水果采后品质控制关键技术与示范应用	院重点部署项目	田世平	300	2016.01—2016.12
光合作用重要超大分子膜蛋白复合体的结构与光能转换机理研究	院长基金	沈建仁	500	2016.01—2018.12
构建联接森林群落结构与物质生产的新方法和新理论	院前沿重点项目	方精云	500	2016.08—2020.12
光系统 I 生物发生的分子机理	院前沿重点项目	卢从明	300	2016.08—2020.12
植物生物钟中央振荡器反馈网络的分子架构解析	院前沿重点项目	王 雷	250	2016.08—2020.12
光合作用中重要光系统膜蛋白复合体的精细结构及其光驱动反应的调控机理	院前沿重点项目	沈建仁	500	2016.08—2020.12
植物工厂关键技术研发与集成示范	院科技服务网络计划项目	李绍华	400	2016.07—2016.12
杂交构树“林-料-畜”一体化产业扶贫示范工程	院扶贫项目	沈世华	300	2016.06—2019.05
花对称性新型模式植物斑叶草高效转基因体系的建立	战略生物资源服务网络计划项目	王印政	66	2016.11—2017.12
荷叶茶产业链关键技术研发	战略生物资源服务网络计划项目	王亮生	66	2016.11—2017.12
中国极度濒危植物的 DNA 条形码研究	战略生物资源服务网络计划项目	周世良	60	2017.01—2018.12
资源生态位分化与植物-土壤反馈在不同群落多样性维持中的作用	战略生物资源服务网络计划项目	黄振英	60	2017.01—2018.12
中国入侵植物物种调查和防治研究	战略生物资源服务网络计划项目	金效华	50	2017.01—2018.12



2016 年重要在研国际合作项目

课题名称	负责人	合作单位	经费来源	合同经费(万)	起止时间
印度尼西亚热带植物分类和生命之树重建的研究	张宪春	印度尼西亚科学院生物研究所植物学中心	中科院	110	2013.06—2016.12
保健型异构蔗糖富集甜高粱新种质创制	景海春	澳大利亚昆士兰大学	中科院	75	2014.07—2016.06
发展新一代高营养禾谷类粮食	刘春明	澳大利亚科工组织	中科院	100	2014.01—2016.12
生态草业特区人工草地建设关键技术中美合作研究	张文浩 黄建辉	美国塞缪尔·诺贝基金会	中科院	90	2014.01—2016.12
东南亚植物多样性信息平台	马克平	东盟生物多样性中心、印度尼西亚科学院生物研究中心、马来西亚森林研究院	中科院	100	2015.11—2017.11
中非中心—热带东非被子植物生命之树重建与适应性进化机制研究	陈之端	肯尼亚塔农业与科技大学	中科院	750	2016.01—2020.12
中非中心—葡萄等重要果树资源收集	梁振昌	肯尼亚塔农业与科技大学	中科院	600	2016.01—2020.12
中非中心—高粱新品种引进、筛选及种植示范	景海春	中科院遗传所农业资源中心	中科院	140	2016.01—2020.12
东南亚中心—缅甸北部维管植物多样性调查和生物地理学研究	金效华	中科院西双版纳热带植物园	中科院	100	2016.08—2018.08
中国生物多样性研究的亚太战略	马克平	中国科学院动物研究所	中科院	150	2016.01—2018.12
基于单体 ^{14}C 技术的草地土壤有机碳周转与稳定性研究	冯晓娟	瑞士苏黎世联邦理工学院地球科学学院	中科院	100	2016.01—2018.12
"泛喜马拉雅植物志"的编研	洪德元	缅甸、尼泊尔、印度生物调查所	基金委	360	2012.01—2016.12
华南地区始新世植物多样性及古环境背景	李承森	俄罗斯科学院地质研究所、英国开放大学	基金委	90	2012.01—2016.12
森林生态系统在环境梯度上的结构和功能：青藏高原与芬兰的森林对比研究	张齐兵	芬兰森林研究所	基金委	100	2013.09—2016.09
全球变化关键驱动因子对蒙古高原草原 C_3/C_4 植物多度、群落结构和生态系统功能的影响：格局、过程与机制	白永飞	德国慕尼黑工业大学	基金委	277	2014.01—2018.12
C_4 模式作物高粱干旱与独脚金杂草抗性基因的克隆及气候变化适应研究	景海春	国际干旱半干旱组织	基金委	240	2015.01—2019.12
尼罗河流域典型生态系统监测与适应性管理技术合作研究	吴冬秀	苏丹国家研究中心	科技部	160	2014.04—2017.03

2016 年出版主要著作

主编	著作名称	出版社
张宪春、成 晓	中国高等植物彩色图鉴 第二卷 蕨类植物—裸子植物	科学出版社
王文采、刘 冰	中国高等植物彩色图鉴 第三卷 被子植物 木麻黄科—莲叶桐科	科学出版社
于胜祥	中国高等植物彩色图鉴 第四卷 被子植物 罂粟科—毒鼠子科	科学出版社
刘 博、林秦文	中国高等植物彩色图鉴 第五卷 被子植物 大戟科—山茱萸科	科学出版社
李振宇	中国高等植物彩色图鉴 第六卷 被子植物 岩梅科—茄科	科学出版社
陈又生	中国高等植物彩色图鉴 第七卷 被子植物 玄参科—菊科	科学出版社
张树仁	中国高等植物彩色图鉴 第八卷 被子植物 香蒲科—蕁若翠科	科学出版社
金效华	中国高等植物彩色图鉴 第九卷 被子植物 蒟蒻薯科—兰科	科学出版社
严岳鸿、张宪春、周喜乐、孙久琼	中国生物种名录 第一卷 蕨类植物	科学出版社
王士俊、崔金钟、杨 永、孙克勤	中国化石植物志 第三卷 中国化石裸子植物（下）	高等教育出版社
吴鹏程、汪楣芝、贾 渝	苔藓名词及名称（新版）	中国林业出版社
马克平	滇黔桂喀斯特地区植物资源现状与保护对策	气象出版社
朱相云	中国药用植物志 第五卷（上册）	北京大学医学出版社
朱相云	中国药用植物志 第五卷（下册）	北京大学医学出版社



2016 年获得专利授权

专利名称	专利号	授权日期	专利类型	发明人
水稻 OsMADS29 基因在调控植物种子发育中的应用	201210046725.5	2016.01.13	发明	孟 征、吴 凤、杨雪莲、杜晓秋
具有光保护功能的蛋白及其编码基因与应用	201210479164.8	2016.01.13	发明	黄 芳、赵 磊、程冬梅
抗氧化及营养胁迫相关蛋白及其编码基因与应用	201210479314.5	2016.01.13	发明	黄 芳、赵 磊、杨浩萌、程冬梅
一种葡萄保鲜的方法	201410176186.6	2016.01.13	发明	田世平、张占全、秦国政、李博强、徐 勇
蛋白 BhHSP70-1 及其编码基因与应用	201210581636.0	2016.01.20	发明	邓 馨、张振南
一株超高放氢藻株及其应用	201410014492.x	2016.03.02	发明	黄 芳、赵 磊、陈 梅、张 锦
SmCPS4 蛋白及其编码基因与应用	201410085600.2	2016.03.02	发明	漆小泉、崔光红、靳保龙
一种可扩展土壤微生物熏蒸装置	201410056586.3	2016.03.16	发明	刘 伟、赵长征、张淑敏、苏 华
一种用于新一代测序分析的多重目的 DNA 片段富集方法	201210253791.x	2016.03.30	发明	漆小泉、池 旭、张英春
利用 UBE3 基因构建核苷酸分子式鉴定植物品种的方法	201410418156.1	2016.03.30	发明	索志立、黄建民、黄 磊、侯伯鑫、林道银
粘果酸浆控制器官大小基因第一内含子的调控元件及应用	201410004958.8	2016.04.06	发明	贺超英、王 丽
一种定性定量检测植物激素活性赤霉素的方法及其专用芯片	201310381641.1	2016.04.20	发明	徐文忠、麻 密、赵卓亚
一种贮藏油梨采后果实的方法	201410176135.3	2016.04.27	发明	田世平、张占全、刘瑞玲、徐 勇、李博强、秦国政
一种花叶玉簪快速繁殖的方法	201410130846.7	2016.05.04	发明	张金政、孙国峰、李晓东、吴东启、林秦文
microRNA444a 或其编码基因在调节水稻耐盐性中的应用	201310009657.x	2016.05.11	发明	种 康、陈丽萍、马 岩、郭思义、牛遇达、徐云远

2016 年获得专利授权

专利名称	专利号	授权日期	专利类型	发明人
一种使芍药种子胚芽萌发的方法	201410549265.7	2016.05.11	发明	李宗泰、宋世环、李凌浩、张文浩、白文明
TmDGAT1a 基因的启动子及其应用	201310189088.1	2016.06.29	发明	许亦农、李敏春
一种水稻蛋白及其编码基因在调控植物抗旱性中的应用	201410072652.6	2016.06.29	发明	乐捷、屈霄霄、邹俊杰
一种气体采样注射器	201410446055.5	2016.06.29	发明	刘伟、苏华
TmDGAT1b 基因的启动子及其应用	201310188798.2	2016.07.06	发明	许亦农、李敏春
转录因子 ZmbZIP17 及其编码基因与其在响应逆境中的应用	201310065802.6	2016.08.03	发明	邓馨、杨艳歌、吕维涛
一种与植物耐旱相关的蛋白及其编码基因与应用	201310149496.4	2016.08.10	发明	邓馨、李美静
大豆种子总蛋白质的提取方法及其专用试剂	201210576800.9	2016.08.17	发明	曲乐庆、徐秀苹
一种多用途土壤测试瓶	201510187505.8	2016.08.17	发明	刘伟、苏华、张淑敏
一种鲜食核桃的贮藏保鲜方法	201410432843.9	2016.08.24	发明	田世平、李博强、徐勇、尚艳娇
一种高产氢莱茵衣藻蛋白及其编码基因与应用	201410108048.4	2016.08.31	发明	黄芳、陈梅、赵磊、张锦
一种对不同种质的羊草进行基因分型的 SNP 引物及其应用	201510047010.5	2016.08.31	发明	陈双燕、刘公社、齐冬梅、侯莉娟
一种采收迷迭香的方法和迷迭香抗氧化提取物的制备方法	201210158804.5	2016.09.07	发明	石雷、潘岩、李慧、白红彤
一种沙地草本植物育苗毯	201520476560.4	2016.02.03	实用新型	崔洪霞、夏菲、石雷、杨涛、李东
一种沙葱保鲜装置	201620050624.9	2016.08.17	实用新型	田世平、张占全、徐勇、傅茂润、李博强
一种用于土壤有机质消煮液转移的冲洗装置	201620328727.7	2016.10.12	实用新型	张淑敏、付增娟、张文东
一种全自动高压消解罐加热设备	201620328746.X	2016.10.12	实用新型	张利、赵长征、张淑敏