七、发表的研究论文

序号	通讯作者	论文题目	刊物名称/发表日期	影响因子
1	蒋才富	Environmentally responsive genome-wide accumulation of de novo Arabidopsis thaliana mutations and epimutations	***Genome Research,***2014, 24:1821-1829	14.927
2	张舒群	Mitogen-activated protein kinase cascades in signaling plant growth and development.	***Trends in Plant Science***, 2014, doi: 10.1016/j.tplants.2014.10.001	14.22
3	毛传藻	Rice SPX1 and SPX2 inhibit phosphate starvation responses through interacting with PHR2 in a phosphate-dependent manner	***Proc Natl Acad Sci*** USA., 2014, 111: 14953-14958	10.727
4	巩志忠	REPRESSOR of SILENCING5 encodes a member of the small heat shock protein family and is required for DNA demethylation in Arabidopsis	***The Plant Cell,*** 2014, 26:2660-2675	10.656
5	郭　岩	Inhibition of the *Arabidopsis* salt Overly Sensitive pathway by 14-3-3 proteins	***The Plant Cell,*** 2014, 26:1166-1182	10.656
6	毛同林	Arabidopsis microtubule-destabilizing protein 25 functions in pollen tube growth by severing actin filaments	***The Plant Cell***, 2014, 26: 325–339	10.656

序号	通讯作者	论文题目	刊物名称/发表日期	影响因子
7	王　毅	The Os-AKT1 channel is critical for K^+ uptake in rice roots and is modulated by the rice CBL1-CIPK23 complex	***The Plant Cell*** , 2014, 26: 3387-3402	10.656
8	吴　平	SPX4 negatively regulates phosphate signaling and homeostasis through Its Interaction with PHR2 in rice	***The Plant Cell,*** 2014, 26: 1586-1597	10.656
9	巩志忠	ABA-mediated ROS in mitochondria regulate root meristem activity by controlling PLETHORA expression in Arabidopsis	***PLoS Genetics,*** 2014, 10: e1004791.	8.901
10	苏　震	PNRD: A plant non-coding RNA database	***Nucleic Acids Research,*** 2014, doi:10.1093/nar/gku1162	8.378
11	陈益芳	Arabidopsis WRKY45 transcription factor activates *PHOSPHATE TRANSPORTER1;1* expression in response to phosphate starvation	***Plant Physiology***, 2014, 164: 2020-2029	7.908
12	郭　岩	A calcium-independent activation of the Arabidopsis SOS2-like protein kinase24 by its interacting SOS3-like calcium binding protein1	***Plant Physiology,*** 2014, 164:2197-2206	7.908
13	李颖章	Histone H2B monoubiquitination is involved in regulating the dynamics of microtubules during the defense response to *Verticillium dahliae* toxins in Arabidopsis	***Plant Physiology***, 2014, 164:1857-1865	7.908

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14	郑绍建	Xyloglucan endotransglucosylase-hydrolase17 Interacts with xyloglucan endotransglucosylase-hydrolase31 to confer xyloglucan endotransglucosylase action and affect Aluminum sensitivity in Arabidopsis	***Plant Physiology***, 2014, 165:1566-1574	7.908
15	郑绍建	*TRICHOME BIREFRINGENCE-LIKE27* affects aluminum sensitivity by mdulating the *O*-acetylation of xyloglucan and aluminum-binding capacity in Arabidopsis	***Plant Physiology***, 2014, 166:181-189	7.908
16	陈益芳	Arabidopsis RAV1 transcription factor, phosphorylated by SnRK2 kinases, regulates the expressions of *ABI3*, *ABI4*, and *ABI5* during seed germination and early seedling development	***The Plant Journal*****,** 2014, 80: 654-668	7.535
17	巩志忠	Abscisic acid inhibits root growth in Arabidopsis through ethylene biosynthesis	***The Plant Journal***, 2014 79:44-55	7.535
18	孙传清	*TOND1* confers tolerance to nitrogen deficiencies in rice	***The Plant Journal,*** 2014 Dec.2 published online	7.535
19	叶　德	The ARID-HMG DNA-binding protein AtHMGB15 is required for pollen tube growth in Arabidopsis thaliana	***The Plant Journal,*** 2014, 79, 741-756	7.535

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20	蒋德安	OsMOGS is required for N-glycan formation and auxin-mediated root development in rice (Oryza sativaL.)	***The Plant Journal***, 2014, 78: 632–645	7.535
21	蒋德安	OsABCB14 functions in auxin transport and iron homeostasis in rice (Oryza sativa.L).	***The Plant Journal***, 2014, 79:106-117.	7.535
22	郑绍建	Transcription factor WRKY46 regulates osmotic stress responses and stomatal movement independently in Arabidopsis.	***The Plant Journal***, 2014, 79:13-27	7.535
23	郑绍建	WRKY41 controls Arabidopsis seed dormancy via direct regulation of ABI3 transcript levels not downstream of ABA.	***The Plant Journal***, 2014, 79:810-823	7.535
24	任东涛	Activation of MKK9-MPK3/MPK6 enhances phosphate acquisition in *Arabidopsis thaliana*	***New Phytologist,*** 2014, 203,1146-1160	7.289
25	杨淑华	*Arabidopsis* HSP90 protein modulates RPP4-mediated temperature-dependent cell death and defense responses	***New Phytologist,*** 2014, 202: 1320-1334.	7.289
26	蒋德安	Auxin response factor (OsARF12), a novel regulator for phosphate homeostasis in rice (Oryza sativa)	***New Phytologist***, 2014, 201: 91–103	7.289
27	李召虎	Histone Lysine methyltransferase SDG8 is involved in brassinosteroid regulated gene expression in Arabidopsis thaliana	***Molecular Plant***, 2014, 7:1303-1315	6.348

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28	张舒群	Regulation of ethylene biosynthesis and signaling by protein kinases and phosphatases	***Molecular Plant***, 2014, 7,6,939-942	6.348
29	徐　娟	Reactive oxygen species in signaling the transcriptional activation of WIPK expression in tobacco	***Plant Cell & Environment***, 2014, 37,7,1614-1625	6.242
30	杨建立	Identification of early Al-responsive genes in rice bean (Vigna umbellata) roots provides new clues to molecular mechanisms of Al toxicity and tolerance	***Plant Cell & Environment***, 2014, 37:1586-1597	6.242
31	韩玉珍	Tudor-SN, a component of stress granules, regulates growth under salt stress by modulating *GA20ox3* mRNA levels in *Arabidopsis*	***Journal of Experimental Botany***, 2014, 65, 20, 5933–5944	6.019
32	寿惠霞	Mutation in xyloglucan 6-xylosytransferase results in abnormal root hair development in Oryza sativa	***Journal of Experimental Botany***, 2014, doi:10.1093/jxb/eru189	6.019
33	吴　平	The paralogous SPX3 and SPX5 genes redundantly modulate Pi homeostasis in rice	***Journal of Experimental Botany***, 2014, 65: 859-870	6.019
34	杨淑华	Cold signal transduction and its interplay with phytohormones during cold acclimation	***Plant & Cell Physiology,*** 2014, doi:10.1093/pcp/pcu115	4.972

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35	陈其军	A CRISPR/Cas9 toolkit for multiplex genome editing in plants	***BMC Plant Biology,*** 2014, 14:327	4.758
36	苏　震	SFGD: a comprehensive platform for mining functional information from soybean transcriptome data and its use in identifying acyl-lipid metabolism pathways	***BMC Genomics,*** 2014, 15:271	4.5
37	李　岩	The circular F-Actin bundles provide a track for turnaround and bidirectional movement of mitochondria in Arabidopsis root hair	***PLoS ONE*****,** 2014, 9(3): e91501	4.015
38	李　岩	The C-terminus of AtGRIP is crucial for its self-association and for targeting to Golgi stacks in Arabidopsis	***PLoS ONE***, 2014, 9(6): e98963	4.015
39	李召虎	The phytotoxin coronatine induces abscission-related gene expression and boll ripening during defoliation of cotton	***PLoS ONE***, 2014, 9(5): e97652	4.015
40	刘国琴	Arabidopsis voltage-dependent anion channel 1 (AtVDAC1) is required for female development and maintenance of mitochondrial functions related to energy-transaction	***PLoS ONE***, 2014, 9(9):e106941	4.015
41	张明才	The effect of mepiquat chloride on elongation of cotton (*Gossypium hirsutum* L.) internode is associated with low concentration of gibberellic acid	***Plant Science***, 2014, 225:15-23	3.785

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42	肖兴国	Genome-wide analysis of *AP2/ERF* family genes from *Lotus corniculatus* shows *LcERF054* enhances salt tolerance	***Functional & integrative Genomics***, 2014, 14:453-466	3.217
43	田晓莉	Plant growth regulation enhanced potassium uptake and use efficiency in cotton	***Field Crops Research***, 2014, 163,109-118	2.957
44	张明才	Tillage practices affect biomass and grain yield through regulating root growth, root-bleeding sap and nutrients uptake in summer maize	***Field Crops Research***, 2014, 157:89-97	2.957
45	田晓莉	Functional characterization of *GhAKT1*, a novel Shaker-like K^+ channel gene involved in K^+ uptake from cotton (*Gossypium hirsutum*)	***Gene***, 2014, 545: 61-71	2.246