



四、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	张舒群	RACK1, scaffolding heterotrimeric G protein and MAPK cascade	<i>Trends Plant Sci</i> 20: 405-407	14.673
2	陈其军	Egg cell-specific promoter-controlled CRISPR/Cas9 efficiently generates homozygous mutants for multiple target genes in Arabidopsis in a single generation	<i>Genome Biol</i> 16: 144	13.48
3	杨淑华	OST1 kinase modulates freezing tolerance by enhancing ICE1 stability in Arabidopsis	<i>Dev Cell</i> 32: 278-289	12.437
4	巩志忠	Degradation of the ABA co-receptor ABI1 by PUB12/13 U-box E3 ligases	<i>Nat Commun</i> doi: 10.1038/ncomms9630	11.904
5	武维华	Arabidopsis CALCIUM-DEPENDENT PROTEIN KINASE8 and CATALASE3 function in abscisic acid-mediated signaling and H ₂ O ₂ homeostasis in stomatal guard cells under drought stress	<i>Plant Cell</i> 27:1445-1460	10.529
6	郭 岩	A chaperone function of NO CATALASE ACTIVITY1 is required to maintain catalase activity and for multiple stress responses in Arabidopsis	<i>Plant Cell</i> 27: 908-925	10.529
7	孙传清	LABA1, a domestication gene associated with long, barbed awns in wild rice	<i>Plant Cell</i> 27: 1875-1888	10.529
8	傅 纓	Arabidopsis RIC1 severs actin filaments at the apex to regulate pollen tube growth	<i>Plant Cell</i> 27: 1140-1161	10.529
9	吴忠长	The rice CK2 kinase regulates trafficking of phosphate transporters in response to phosphate levels	<i>Plant Cell</i> 27: 711-723	10.529
10	武维华	Genetic approaches for improvement of the crop potassium acquisition and utilization efficiency	<i>Curr Opin Plant Biol</i> 25: 46-52	9.203
11	傅 纓	The cytoskeleton in the pollen tube	<i>Curr Opin Plant Biol</i> 28:111-119	9.203



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12	杨淑华	IBR5 modulates temperature-dependent, R protein CHS3-mediated defense responses in Arabidopsis	<i>PLoS Genet</i> 11, e1005584	8.555
13	巩志忠	Methyl-CpG-binding domain protein MBD7 is required for active DNA demethylation in Arabidopsis	<i>Plant Physiol</i> 167: 905-914	8.03
14	陈益芳	WRKY42 modulates phosphate homeostasis through regulating phosphate translocation and acquisition in Arabidopsis	<i>Plant Physiol</i> 167: 1579-1591	8.03
15	毛同林	Ethylene regulates Arabidopsis Microtubule-Associated Protein WDL5 in etiolated hypocotyl elongation	<i>Plant Physiol</i> 169: 325-337	8.03
16	陈艳梅	Changes in the phosphoproteome and metabolome link early signaling events to rearrangement of photosynthesis and central metabolism in salinity and oxidative stress response in Arabidopsis	<i>Plant Physiol</i> 169: 3021-3033	8.03
17	张舒群	Multi-layered regulation of ethylene induction plays a positive role in Arabidopsis resistance against <i>Pseudomonas syringae</i>	<i>Plant Physiol</i> 169: 299-312	8.03
18	寿惠霞	Rice SPX-major facilitator superfamily3, a vacuolar phosphate efflux transporter, is involved in maintaining phosphate homeostasis in rice	<i>Plant Physiol</i> 169: 2822-2831	8.03
19	莫肖蓉	Integrative comparison of the role of the PHOSPHATE RESPONSE1 subfamily in phosphate signaling and homeostasis in rice	<i>Plant Physiol</i> 168: 1762-1776	8.03
20	郭岩 开放课题 谢长根 通讯作者	SOS2-LIKE PROTEIN KINASE5, an SNF1-RELATED PROTEIN KINASE3-type protein kinase, is important for abscisic acid responses in Arabidopsis through phosphorylation of ABSCISIC ACID-INSENSITIVE5	<i>Plant Physiol</i> 168: 659-676	8.03
21	杨建立	Characterization of an inducible C ₂ H ₂ -type zinc finger transcription factor VuSTOP1 in rice bean (<i>Vigna umbellata</i>) reveals differential regulation between low pH and Al tolerance mechanisms	<i>New Phytol</i> 208: 456-468	7.837
22	孙传清	PAY1 improves plant architecture and enhances grain yield in rice	<i>Plant J</i> 83: 528-536	6.963



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23	郑绍建	Transcription factor WRKY46 modulates the development of Arabidopsis lateral roots in osmotic/salt stress conditions via regulation of ABA signaling and auxin homeostasis	<i>Plant J</i> 84: 56-69	6.963
24	蒋德安 齐艳华	The auxin transporter, OsAUX1, is involved in primary root and root hair elongation and in Cd stress responses in rice (<i>Oryza sativa</i> L.)	<i>Plant J</i> 83: 818-830	6.963
25	齐艳华	The auxin response factor, OsARF19, controls rice leaf angles through positively regulating OsGH3-5 and OsBRI1	<i>Plant Cell Environ</i> 38:638-654	6.643
26	傅 纓 黄善金 通讯作者	Profilin regulates apical actin polymerization to control polarized pollen tube growth	<i>Mol Plant</i> 8: 1694-1709	6.534
27	苏 震	SIFGD: <i>Setaria italica</i> functional genomics database.	<i>Mol Plant</i> 8: 967-970	6.534
28	王 毅 第一作者	Cytosolic Ca ²⁺ signals enhance the vacuolar ion conductivity of bulging Arabidopsis root hair cells	<i>Mol Plant</i> 8: 1665-1674	6.534
29	苏 震	JAZ7 negatively regulates dark-induced leaf senescence in Arabidopsis	<i>J Exp Bot</i> doi:10.1093/jxb/erv487	6.312
30	郑绍建	Pectin enhances rice (<i>Oryza sativa</i>) root phosphorus remobilization	<i>J Exp Bot</i> 66: 1017-1024	6.312
31	蒋德安	Increasing cyclic electron flow is related to Na ⁺ sequestration into vacuoles for salt tolerance in soybean	<i>J Exp Bot</i> 66: 6877-6889	6.312
32	段留生	Phytotoxin coronatine enhances heat tolerance via maintaining photosynthetic performance in wheat based on electrophoresis and TOF-MS analysis	<i>Sci Rep-UK</i> 5: 13870	5.597
33	郑绍建	OsTCTP, encoding a translationally controlled tumor protein, plays an important role in mercury tolerance in rice	<i>BMC Plant Biol</i> 15:123	4.714



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34	莫肖蓉	Genetic manipulation of a high affinity PHR1 target cis-element to improve phosphorous uptake in <i>Oryza sativa</i> L	<i>Plant Mol Biol</i> 87:429-440	4.573
35	苏震	GraP: Platform for functional genomics analysis of <i>Gossypium raimondii</i>	<i>Database-Oxford</i> 2015: bav047	4.51
36	寿惠霞	MPK3/MPK6 are involved in iron deficiency-induced ethylene production in <i>Arabidopsis</i>	<i>Front Plant Sci</i> doi:10.3389/fpls.2015.00953	3.99
37	任东涛	Comparative phospho-proteomics analysis of salt-responsive phosphoproteins regulated by the MKK9-MPK6 cascade in <i>Arabidopsis</i>	<i>Plant Sci</i> 241:138-150	3.904
38	陈立群 叶德	The THERMOSENSITIVE MALE STERILE 1 interacts with the BiPs via DnaJ domain and stimulates their ATPase enzyme activities in <i>Arabidopsis</i>	<i>PLoS ONE</i> 10: e0132500	3.702
39	蒋德安	Rubisco activase is also a multiple responder to abiotic stresses in rice	<i>PLoS ONE</i> 10: e0140934	3.702
40	郑绍建	An eukaryotic translation initiation factor, AtelF5A-2, affects cadmium accumulation and sensitivity in <i>Arabidopsis</i>	<i>J Integr Plant Biol</i> 57: 848-858	3.353
41	张学琴	ABORTED GAMETOPHYTE 1 is required for gametogenesis in <i>Arabidopsis</i>	<i>J Integr Plant Biol</i> 57: 1003-1016	3.353
42	郑绍建	Glucose alleviates Cd toxicity by increasing Cd fixation in root cell wall and sequestration into vacuole in <i>Arabidopsis</i>	<i>J Integr Plant Biol</i> 57:830-837	3.353
43	肖兴国	A PPO promoter from betalain-producing red Swiss Chard, directs petiole- and root-preferential expression of foreign gene in anthocyanins-producing plants	<i>Int J Mol Sci</i> 16: 27032-27043	2.983
44	李溱	Reducing the bioavailability of cadmium in contaminated soil by dithiocarbamate chitosan as a new remediation	<i>Environ Sci Pollut R</i> 22: 9668-9675	2.92



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45	朱 蕾	PCaP2 regulates nuclear positioning in growing <i>Arabidopsis thaliana</i> root hairs by modulating filamentous actin organization	<i>Plant Cell Rep</i> 34: 1317-1330	2.894
46	郭 岩	SCAB3 is required for reorganization of actin filaments during light quality changes	<i>J Genet Genomics</i> 42: 161-168	2.849
47	李颖章	Disruption of cerevisin via <i>Agrobacterium tumefaciens</i> -mediated transformation affects microsclerotia formation and virulence of <i>Verticillium dahlia</i>	<i>Plant Pathol</i> 64: 1157-1167	2.571

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