

序号	论文题目	刊物名称	卷、期、页	全部作者	第一作者	联系作者	影响因子
英文期刊							
1	A U-Box E3 Ubiquitin Ligase, PUB20, Interacts with the Arabidopsis G-Protein b Subunit, AGB1	PLOS ONE	November 2012   Volume 7   Issue 11   e49207	Shio Kobayashi, Daisuke Tsugama, Shenkui Liu, Tetsuo Takano			
2	Arabidopsis heterotrimeric G protein $\beta$ subunit interacts with a plasma membrane 2C-type protein phosphatase, PP2C52.	Biochim Biophys Acta(2012)	Oct 8. pii: S0167-4889(12)00283-2.	Tsugama D, Liu H, Liu S, Takano T			
3	Drought-induced activation and rehydration-induced inactivation of MPK6 in Arabidopsis	Biochem Biophys Res Commun	2012 Sep 10. pii: S0006-291X(12)01720-2	Tsugama D, Liu S, Takano T.			
4	Targeted transcriptional repression using a chimeric TALE-SRDX repressor protein	Plant Mol Biol	2012 Feb;78(3):311-21	Mahfouz MM, Li L, Piatek M, Fang X, Mansour H, Bangarusamy DK, Zhu JK.			
5	Rapid and highly efficient construction of TALE-based transcriptional regulators and nucleases for genome modification.	Plant Mol Biol.	2012 Mar;78(4-5):407-16	Li L, Piatek MJ, Atef A, Piatek A, Wibowo A, Fang X, Sabir JS, Zhu JK, Mahfouz MM			
6	Anditalea andensis gen. nov., sp. nov., an alkaliphilic, halotolerant bacterium isolated from extreme alkali-saline soil	Antonie van Leeuwenhoek Journal of Microbiology	2012	Shi W, Takano T and Liu S			
7	Genetic Transformation and Analysis of Rice OsAPx2 Gene	PLoS ONE	7(7):e41233. doi: 10.1371	Guan Q, Takano T and Liu S			

	In <i>Medicago sativa</i> (2012)					
8	Isolation and characterization of novel bacterial taxa from extreme alkali-saline soil(2012)	World Journal of Microbiology and Biotechnology	28(5, 2147-2157	Shi, W., Takano, T. and Liu, S.		
9	A bZIP protein, VIP1, is a regulator of osmosensory signaling in <i>Arabidopsis</i> .(2012)	Plant Physiol.	159(1):144-55	Tsugama D, Liu S, Takano T.		
10	Molecular cloning, expression, and characterization of a Ca <sup>2+</sup> -dependent nuclease of <i>Arabidopsis thaliana</i> .(2012)	Protein Expr Purif.	83(1):70-4	Guo K, Liu S, Takano T, Zhang X.		
11	A putative myristoylated 2C-type protein phosphatase, PP2C74, interacts with SnRK1 in <i>Arabidopsis</i> .(2012)	FEBS Lett.	23;586(6):693-8.	Tsugama D, Liu S, Takano T.		
12	Molecular cloning and characterization of plasma membrane- and vacuolar-type Na <sup>(+)</sup> /H <sup>(+)</sup> antiporters of an alkaline-salt-tolerant monocot, <i>Puccinellia tenuiflora</i> .(2012)	J Plant Res.	Jan 24. DOI: 10.1007/s10265-012-0475-9	Kobayashi S, Abe N, Yoshida KT, Liu S, Takano T.		
13	Characterization of an AtCCX5 gene from <i>Arabidopsis thaliana</i> that involves in high-affinity K <sup>+</sup> uptake and Na <sup>+</sup> transport in yeast.(2011)	Biochem Biophys Res Commun.	14;414(1):96-100.	Zhang X, Zhang M, Takano T, Liu S.		
14	A rapid chemical method for lysing <i>Arabidopsis</i> cells for protein analysis.(2011)	Plant Methods.	Jul 15;7:22.	Tsugama D, Liu S, Takano T.		
15	Ectopic expression of the K <sup>+</sup> channel $\beta$ subunits from <i>Puccinellia tenuiflora</i> (KPutB1) and rice (KOB1) alters K <sup>+</sup> homeostasis of yeast and <i>Arabidopsis</i> .(2011)	Mol Biotechnol.	48(1):76-86.	Ardie SW, Nishiuchi S, Liu S, Takano T.		
16	ALE nucleases and next generation GM crops.	GM Crops.	2011 Apr-Jun;2 (2):99-103	Mahfouz MM, Li L.		
17	De novo-engineered transcription activator-like effector (TALE) hybrid nuclease with novel DNA binding	Proc Natl Acad Sci U S A	2011 Feb 8;108 (6):2623-8	Mahfouz MM, Li L, Shamimuzzaman		

	specificity creates double-strand breaks.			M, WISOWA, Fang X, Zhu JK			
18	Expression of the AKT1-type K (+) channel gene from <i>Puccinellia tenuiflora</i> , PutAKT1, enhances salt tolerance in <i>Arabidopsis</i> .	Plant Cell Rep.	29(8):865-74.2010	Ardie SW, Liu S, Takano T.			
19	Analysis of expressed sequence tags from a NaHCO <sub>3</sub> -treated alkali-tolerant plant, <i>Chloris virgata</i>	Plant Physiol Biochem.	48(4):247-55.2010	Nishiuchi S, Fujihara K, Liu S, Takano T.			
20	Cloning of a high-affinity K <sup>+</sup> transporter gene PutHKT2;1 from <i>Puccinellia tenuiflora</i> and its functional comparison with OsHKT2;1 from rice in yeast and <i>Arabidopsis</i>	Journal of Experimental Botany	60(12):3491-502. 2009	Ardie SW, Xie L, Takahashi R, Liu S, Takano T.			
21	Stage- and tissue-specific expression of rice OsIscu1 gene encoding a scaffold protein for mitochondrial iron-sulfur-cluster biogenesis	Biotechnol Lett.	31(8):1305-10.2009	Tsugama D, Liu S, Takano T.			
22	Characterization of a PutCAX1 gene from <i>Puccinellia tenuiflora</i> that confers Ca <sup>2+</sup> and Ba <sup>2+</sup> tolerance in yeast.	Biochemical and Biophysical Research Communications	12;383(4):392-6 (NEW) 2009	Hua Liu; Xinxin Zhang; Tetsuo Takano and Shenkui Liu			
23	ERMO1/GNL1 and ERMO2/SEC24 Are Required for Maintenance of ER Morphology in <i>Arabidopsis thaliana</i>	Plant Cell	2009 Nov;21(11):3672-85.	Ryohei Thomas Nakano, Ryo Matsushima, Haruko Ueda, Kentaro Tamura, Tomoo Shimada, Lixin Li, Maki Kondo, Mikio Nishimura, and Ikuko Hara-Nishimura			
24	Ectomycorrhizal fungal community in alkaline-saline soil in northeastern China.	Mycorrhiza.	2008 Dec 23. DOI 10.1007/s00572-008-0219-9 (NEW)	Ishida TA, Nara K, Ma S, Takano T, Liu S.			

25	Two cysteine proteinase inhibitors from <i>Arabidopsis thaliana</i> , AtCYSa and AtCYSb, increasing the salt, drought, oxidation and cold tolerance.	Plant Mol. Biol.	2008 Sep;68(1-2):131-43.	Zhang, X., Liu, S. and Takano, T.			
26	Characterization of two plasma membrane protein 3 genes (PutPMP3) from alkali grass, <i>Puccinellia tenuiflora</i> , and functional comparison with homologues OsLti6a/b from rice.	Biochemistry and Molecular Biology Reports	2008 Jun 30;41(6):448-54.	Zhang, C., Nishiuchi, S., Liu, S. and Takano, T.			
27	Overexpression of a mitochondrial ATP synthase small subunit gene (AtMtATP6) confers tolerance to several abiotic stresses in <i>Saccharomyces cerevisiae</i> and <i>Arabidopsis thaliana</i>	Biotechnology Letters	30(7):1289-94 2008	Zhang, X., Liu, S. and Tetsuo Takano			
28	Cloning and functional comparison of a high-affinity K <sup>+</sup> -transporter gene PhaHKT1 of salt-tolerant and salt-sensitive reed plants	Journal of Experimental Botany	58:4387 - 4395.2008	Takahashi,R., Liu,S., Takano,T.			
29	Expression of an NADP-malic enzyme gene in rice ( <i>Oryza sativa</i> . L) is induced by environmental stresses; over-expression of the gene in <i>Arabidopsis</i> confers salt and osmotic stress tolerance	Plant Mol. Biol	64:49-58. 2007	Liu,S. Cheng,Y. Zhang,X. Guan,Q. Nishiuchi,S. Hase,K. and Takano,T.			
30	Two rice cytosolic ascorbate peroxidases differentially improve salt tolerance in transgenic <i>Arabidopsis</i>	Plant Cell Rep	26(10):1909-1917 2007	Zhenqiang Lu Dali Liu Shenkui Liu			
31	Isolation and characterization of a metallothionein-1 protein in <i>Chloris virgata</i> swartz that enhances stress tolerances to oxidative, salinity, and carbonate stress in yeast.	Biotechnology Letters	29:1301-1305, 2007	Nishiuchi, S. Liu S. Takano, T.			

32	Purification and characterization of a carbonic anhydrase of rice ( <i>Oryza sativa</i> L.) in <i>Escherichiacoli</i> .	Protein Expression and Purification	52:379-383. 2007	Yu, S. Zhang, X. Guan, Q. Takano, T. and Liu, S.			
33	Expression of the gene for a carbonic anhydrase is induced by environmental stresses in Rice	Biothchnology letters	29:89-94. 2007	Song Yu, Xinxin Zhang, Qingjie Guan, Tatsuo Takano and Shenkiu Liu			
34	A metallothionein-like protein of rice (rgMT) functions in <i>E. coli</i> and its gene expression is induced by abiotic stresses.	Biotechnology Letters	28:1749-1753. 2006.	Shumei Jin, Yuxiang Cheng, Qingjie Guan, Dali Liu, Tetsuo Takano and Shenkui Liu			
35	Comparative EST profiles of leaf and root of <i>Leymus chinensis</i> , a xerophilous grass adapted to high pH sodic soil	Plant Science	2006. 170 1081-1086	H.JinP.Plaha J.Y.Park C.P.Hong I.S.Lee Z.H.yang G.B.Jiang S.S.Kwak S.K.Liu J.S.Lee Y.A.Kim Y.P.Lim			
36	AtVPS29, a Putative Component of Retromer, is Required for the Efficient Sorting of Storage Proteins	Plant Cell Physiology	Vol. 47, No. 9, 1187-1194, 2006	Tomoo Shimada, Yasuko Koumoto, Lixin Li, Misako Yamazaki, Maki Kondo, Mikio Nishimura and Ikuko Hara-Nishimura			
37	MAIGO2 Is Involved in Exit of Seed Storage Proteins from the Endoplasmic Reticulum in <i>Arabidopsis thaliana</i>	Plant Cell	Vol. 18, 3535 - 3547, 2006	Lixin Li, Tomoo Shimada, Hideyuki Takahashi, Yoichiro Fukao, Maki Kondo, Mikio Nishimura, and Ikuko Hara-Nishimura			

38	rHsp90 gene is in response to several environmental stresses in rice ( <i>Oryza sativa</i> L.)	Plant Physiology and Biochemistry	44:380-386. 2006	Dali Liu Xinxin Zhang Yuxiang Cheng Tetsuo Takano and Shenkui Liu			
39	Identification of a mitochondrial ATP synthase small subunit gene(RMtATP6)expressed in response to salts and osmotic stresses in rice ( <i>Oryza sativa</i> . L)	Journal of Experimental Botany	57:193-200. 2006	Xinxin Zhang Tetsuo Takano Shenkui Liu			
40	Expression,purification,and characterization of two NADP-malic enzymes of rice ( <i>Oryza sativa</i> L.)in <i>Escherichia coli</i> .	Protein Expression and Purification		Yuxiang Cheng Tetsuo Takano Xinxin Zhang Song Yu Dali Liu and Shenkui Liu			
41	Purification and characterization of two ascorbate peroxidases of rice( <i>Oryza sativa</i> L.) expressed in <i>Escherichia coli</i> .	Biotechnology Letters	27 (1):63-67.2005	Zhenqiang Lu Tetsuo Takano and Shenkui Liu			

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