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昆虫学系
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观赏园艺与园林系
国家玉米改良中心
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师资信息

基本信息

姓名: 李自超
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职称: 教授
学位: 博士

个人简历

工作经历

2001.9 - 至今 中国农业大学植物遗传育种系教授, 博士生导师
1996.12 - 2001.9 中国农业大学植物遗传育种系副教授
1990.12 - 1996.6 中国农业大学植物遗传育种系讲师
1984.8 - 1990.12 北京农业大学植物遗传育种系助教。

学习简历

2010.1-2010.6 美国北卡州立大学访问科学家
2001.6 于中国农业大学获博士学位
1995.3-1996.3 于保加利亚遗传工程研究所进修
1990.7 于北京农业大学获硕士学位
1980.9 - 1984.7 在北京农业大学学习, 并获学士学位

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社会职务

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北京市作物遗传改良实验室 主任

中国作物品种资源学会理事

教学工作

曾先后主讲普通遗传学实验，普通遗传学，植物细胞遗传学，分子技术，分子遗传与遗传工程基础，作物遗传育种Seminar等7门课程。研究生作物遗传育种研究进展和作物科学研究进展的专题讲座。

研究方向

长期从事稻种资源和基因组学、稻作抗旱遗传机理及其分子育种方面率先提出核心种质构建系统的理论及技术体系，首次提出并验证中国稻种资源遗传多样性分布规律，并对栽培野演化及其栽培RIL和导入系群体定位了根系、生理等抗旱相关性状的QTL或基因。研究了早稻基因表达规律，提出了早稻抗旱的分子机制。

目前，主要研究方向是利用稻种资源定向培育的近等基因系发掘克隆并验证抗旱相关基因。

课题项目

目前，主要承担“973”基础研究、“863”高新技术研究、“973”基因专项、国家自然科学基金和教育部博士点基金等项目

论文著作

已发表论文160余篇，其中会议论文30篇，SCI收录论文28篇；(中文)

2010年

☆ 1.Lei Zhou, Yawen Zeng, Weiwei Zheng, Bo Tang, Shuming Li, Zichao Li. Fine mapping a QTL, qCTB7, for cold tolerance on chromosome 7 using a near-isogenic line, Theor Appl Genet

☆ 2.Hongliang Zhang, Dongling Zhang, Meixing Wang, Jun Longzhi Han, Zichao Li. Core Collection and Mini Core Collection in China. Theor Appl Genet, 2010, (Accepted)

2009年

☆ 1.Dongling Zhang, Hongliang Zhang, Meixing Wang, Yong Xinghua Wei, Longzhi Han, Zonggen Qiu, Shengxiang Tang, Structure and Differentiation of *Oryza sativa* L. in China. Theor Appl Genet, 2009, 119: 1105-1117

☆ 2.Fenghua Gao, Hongliang Zhang, Haiguang Wang, Hongliang Zhang. Transcriptional profiling under drought stress between *Oryza sativa* L.) using cDNA-AFLP. Chinese Science Bulletin, 2009, 54: 1105-1117

3.Yawen Zeng, Shuming Yang, Hong Cui, Xiaojuan Yang, Li Zichao Li, Zaiquan Cheng, Xinqin Huang. QTLs of cold tolerance at booting stage for NIL-RILs in rice revealed by SSR. Genet Res, 2009, 81: 154

☆ 4.Yongwen Qi, Hongliang Zhang, Dongling Zhang, Meixing Wang, Xinghua Wei, Sengxiang Tang, Longzhi Han, Xiangkun Wang

differentiation of improved rice varieties detected by method for discrimination of the two subspecies, *Journal of Genetics and Genomics*, 2009, 36(5): 305-312

☆ 5. Junzhou Li, Yan Xie, Anyong Dai, Lifeng Liu, Zichao Li. Responses to phosphorus deficiency and QTL analysis at lines of rice. *Journal of Genetics and Genomics*, 2009, 3

2008年

☆ 1. Meixing Wang, Hongliang Zhang, Dongling Zhang, Yon Dajian Pan, Yongsheng Cao, Zongen Qiu, Ping Yu, Qingwen Li. Genetic Structure of *Oryza rufipogon* Griff. in China. *Hereditas* (IF=4.065) *

☆ 2. Wang Meixing, Zhang Hongliang, Zhang Dongling, Pan Yongwen, Sun Junli, Yang Qingwen, Li Chen & Li Zichao. Divergence of Common Wild Rice (*O. rufipogon* Griff.) in China. *Hereditas*, 2008, 53(22): 3559-3566, (IF=0.783)

☆ 3. Lifeng Liu, Ping Mu, Xueqin Li, Yanying Qu, Yi Wang. Major QTL for Basal Root Thickness in Japonica Rice and Effect of Root Morphology. *EUPHYTICA*, 2008, 164: 729-737, (IF=1.05)

☆ 4. Yanying Qu, Ping Mu, Hongliang Zhang, Yuxiu Tian. Genetic Analysis and QTL Mapping for Root Morphological Traits in Rice. *GENETICA*, 2008, 133: 187-200, (IF=1.772)

☆ 5. Liming Xu, Lei Zhou, Yawen Zeng, Fengmei Wang, Hongliang Zhang. Identification and mapping of Quantitative Trait Locus for booting stage in a Japonica rice near-isogenic line. *PLANT BREEDING* (IF=1.795)

6. Tian-Hong Li, Yin-Xia Li, Zi-Chao Li, Hong-Liang Zhang. Analysis of Genetic Diversity in Primary Core Collection of Rice (*Oryza sativa* L.). *Journal of Integrative Plant Biology*, 2008, 5

2007年

☆ 1. Haiguang Wang, Hongliang Zhang, Fenghua Gao, Zichao Li. Analysis of gene expression between upland and lowland rice cultivars using a microarray. *Theor Appl Genet*, 2007, 115: 1109-1126, (IF=1.079)

☆ 2. Haiguang Wang, Hongliang Zhang, Zichao Li. Analysis of gene expression induced by water stress in upland rice (*Oryza sativa* L.). *Journal of Genetics and Genomics*, 2007, 49(10): 1455-1463, (IF=0.671)

☆ 3. Yawen Zeng, Hongliang Zhang (the same contributor), Sun Meixing Wang, Dengqun Liao, Xia Liu, Xiangkun Wang. Evaluation of Genetic Diversity in the Rice Landraces (Cultivars) in China. *Breeding Science* 2007, 57(2): 91-99, (IF=1.079)

☆ 4. Hongliang Zhang, Junli Sun, Meixing Wang, Ping Yu Zeng, Shi quan Shen, Xiangkun Wang, Zichao Li. Genetic Structure of Rice Landraces in Yunnan, China Revealed by SSR. *GENOME*

☆ 5. Zhang Dongling, Zhang Hongliang, Wei Xinghua, Qi Y
The genetic diversity and structure of Guizhou rice ger
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☆ 6. Guo Yongmei, Mu Ping, Liu Jiafu, Lu Yixian, Li Zic
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environments. Journal of Genetics and Genomics, 2007, 3

2006年

☆ 1. Li Junxia, Min Shungeng, Zhang Hongliang, Yan Yanl
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infrared reflectance spectroscopy. Spectroscopy and Spe
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☆ 2. Qi Yongwen, Zhang dongling, Zhong Hongliang, Wang
Qiu Zongen, Tang Shengxiang, Cao Yongsheng, Wang Xiangk
diversity of rice cultivars (*Oryza sativa* L.) in China
fifty years. Chinese Science Bulletin, 2006, 51(6): 681

3. J. X. Liu, D. O. Liao, R. Oane, L. Estenor, X. E. Yang, Z. C. L
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2006, 97: 87-100, (IF=1.664)

2005年以前

☆ 1. Zichao Li, Ping Mu, Chunping Li, Hongliang Zhang,
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cross under three ecosystems, Theor Appl Genet, 2005, 11

2. Zeng Yawen, Shen Shi quan, Li Zichao, Yang Zhongyi, Wa
Wen Guoshong. Econgographic and genetic diversity base
indigenous rice (*Oryza sativa* L) in Yunnan, China. Gene
2003, 50 (6) : 567-577, (IF=0.731)

☆ 3. Ping Mu, Zichao Li, Chunping Li, Hongliang Zhang,
root traits and their correlation analysis with drought
paddy and upland rice cross. Chinese Science Bulletin,