

## **Jinfa Zhang**

Department of Plant and Environmental Sciences  
College of Agricultural, Consumer and Environmental Sciences  
New Mexico State University (NMSU), Las Cruces, NM 88003  
Phone: (575) 646-3438  
Fax: (575) 646-6041  
Email: jinzhang@nmsu.edu

### **EDUCATIONAL BACKGROUND**

- 1999 Ph. D., Plant Genetics and Molecular Biology, University of Arkansas, Fayetteville, AR, USA  
Dissertation: Mendelian and molecular genetics of cytoplasmic-nuclear interactions in cotton
- 1993 Doctor of Agronomy, Plant Genetics and Breeding, Central China Agricultural University, Wuhan, China  
Dissertation: Transferring and utilization of genes from *Gossypium barbadense* to *G. hirsutum*
- 1985 Master of Agronomy, Plant Genetics and Breeding, Central China Agricultural University, Wuhan, China  
Thesis: Genetic effects of nectarilessness and frego bract on agronomic traits and pink bollworm resistance in cotton
- 1981 Bachelor of Agronomy, Agronomy, Central China Agricultural College at Jinzhou, China

### **EMPLOYMENT HISTORY**

- July 2014 - present Professor, Cotton Breeding, Genetics and Genomics  
New Mexico State University
- July 2007- June 2014 Associate Professor, Cotton Breeding, Genetics and Genomics  
New Mexico State University
- Sept. 2002- June 2007 Assistant Professor, Cotton Breeding, Genetics and Genomics  
New Mexico State University
- Aug. 2001- Sept. 2002 Molecular Cotton Breeder, Molecular Breeding in Cotton  
Monsanto Company
- July 2000- Aug. 2001 Postdoctoral Research Associate, Cloning of a Restorer Gene  
McGill University
- July 1999- July 2000 Postdoctoral Research Associate, Molecular Analysis of Cotton CMS  
University of Arkansas
- July 1995- May 1999 Senior Research Assistant, Molecular Analysis of CMS  
University of Arkansas
- Jan. 1992- Dec. 1998 Associate Professor/Program Director/Section Director  
Cotton Breeding and Genetics/National Key Lab in Crop Improvement  
Central China Agricultural University, China
- Jan. 1985- Dec. 1991 Assistant Professor, Cotton Breeding and Genetics  
Central China Agricultural University, China

## **PROFESSIONAL EXPERIENCES**

### **Teaching**

#### **Currently at New Mexico State University (2003-present)**

AGRO 303V- Genetics and Society (3 cr), undergraduate level

GENE 305L- Genetic Techniques (1 cr), undergraduate level

AGRO 516- Molecular Analysis of Complex Traits (3 cr), graduate level

#### **Previously at New Mexico State University (2004-2010)**

AGRO/HORT 100- Introduction to Plant Science (4 cr), undergraduate level

GENE 440- Genetics Seminar (1 cr), undergraduate level

AGRO 483- Sustainable Crop Production (3 cr), undergraduate level

#### **Previously at Central China Agricultural University (1985-1995)**

Field Experimental Design and Statistical Analysis, undergraduate level

Crop Breeding, undergraduate level

Reproductive Genetics of Plants, undergraduate level

Biometrical Genetics, graduate level

### **Student Advising/Mentoring**

Student Advising/Mentoring Undergraduate students: 38 at NMSU since 2002

Summer students from the New Mexico Alliance for Minority Participation Program: 17

Major advisor: M.S.- 8, Ph.D.- 10, Postdoc- 5, and Visiting Scientists- 25 from 8 countries

Co-advisor or guest advising in China: M.S.- 10, and Ph.D. – 6

Graduate student advisory committee: 26 at NMSU, and 5 in China

### **Research**

Focused on cotton breeding and genetics with extensive applications of genomic tools and approaches. The current research areas include breeding, genetics and genomics for high yield and high fiber quality cotton with resistance to drought, salt, Verticillium wilt, bacterial blight, leaf spot, rust, and thrips. Upland × Pima introgression breeding and genetics, breeding for glandless cotton, and cytoplasmic male sterility (CMS) and semigamy are also important aspects in the program.

**Germplasm Releases & Registrations:** 7 cultivars; 9 germplasm lines; & 1 genetic population.

**Publications:** 115 refereed papers; 93 ref. papers in Chinese; 48 proceeding papers; & 75 proc. abstracts.

## **AWARDS**

Team Award, College of Agricultural, Consumer and Environmental Sciences, NMSU, 2017

Award, 2015 CSSA Editor's Citation for Excellence, 2016

Outstanding Graduate Student Award in Cotton Research in Arkansas, 1999

3<sup>rd</sup>-Place Award, Graduate student competition, Poster, Beltwide Cotton Conferences, 1998

2<sup>nd</sup>-Place Award, Scientific Achievement, Ministry of Agriculture of China, 1994

3<sup>rd</sup>-Place Award, Scientific Achievement, Ministry of Science & Technology of China, 1994

Outstanding Teaching Award, Huazhong Agricultural University, 1992

Outstanding Teaching Award, Huazhong Agricultural University, 1991

### **Graduate student awards under my advisement**

1<sup>st</sup>-Place Award, Graduate Student competition, Beltwide Cotton Conferences, 2013

3<sup>rd</sup>-Place Award, Graduate Student competition, Beltwide Cotton Conferences, 2011

2<sup>nd</sup>-Place Award, Graduate Student competition, Beltwide Cotton Conferences, 2006

Albert K. Dobrenz Award, Western Society of Crop Science, 2007

Outstanding Graduate Research Assistant Award, NMSU Molecular Biology Graduate Program, 2015

Outstanding Graduate Teaching Assistant Award, NMSU Molecular Biology Graduate Program, 2014

Best Paper Award, Graduate Students (~50), Department of Plant and Environmental Sciences, 2015

Best Paper Award, Graduate Students (~50), Department of Plant and Environmental Sciences, 2014

Outstanding Graduate Student Award, NMSU Molecular Biology Graduate Program, 2012

### **SERVICES**

#### **Professional**

Panelist, Plant Genome Research Program, National Science Foundation (NSF), USA, 2011

Panelist, Plant Breeding Program, United States of Department of Agriculture (USDA), 2013

Panelist, USDA-ARS Research Programs, 2010, 2014

Panelist, National Science Foundation of China (NSFC), 2015

Expert, Chunhui Plan- Agriculture in Xinjiang, Ministry of Education of China, Aug. 12-25, 2005

Editorial Board, Scientific Reports (2016 impact factor= 5.228), 2016-

Editorial Board, Journal of Crop Improvement, 2016-

Editor, Euphytica (2016 impact factor= 1.618), 2016-

Associate Editor, BMC Genetics (2016 impact factor= 2.152), 2016-

Editor, Molecular Genetics and Genomics (2016 impact factor= 2.622), 2013- present

Associate Editor, BMC Genomics (2016 impact factor= 3.867), 2012- present

Editorial Board, International Journal of Genomics (2016 impact factor= 1.830), 2011- present

Associate Editor, PLoS One (2016 impact factor= 3.057), 2011- present

Associate Editor: Journal of Cotton Science, National Cotton Council, USA, 2011- present

Associate Editor, The Crop Journal (in English), China Crop Science Society, China, 2014- present

Associate Editor, Acta Agronomic Sinica (in Chinese), China Crop Science Society, 2014- present

Editorial Board, Cotton Science (in Chinese), China Cotton Society, 2003- present

Reviewer, NSF, USDA, NSFC, Yangtze River Scholar Program, & 1000 Talent Plan

Reviewer, 20-30 international scientific journals annually

Guest Professor, Research Institute of Cotton, Chinese Academy of Agric. Sci. (CAAS), China, 2003

Guest Professor, Southwest University, Chongqing, China, 2012

Guest Professor, Xinjiang Agricultural University, 2013

Invited Expert, FAO-IAEA, Institute of Crop Science of CAAS, China Agricultural University,

Central China Agricultural University, Agricultural University of Hebei, Nanjing Agricultural University, Northwest A & F University, Shanghai Jiaotong University, Zhejiang Agricultural Academy of Sciences, Hebei Agricultural Academy of Sciences, Xinjiang Academy of

Agricultural and Reclamation Sciences, and Jinzhou Agricultural Academy of Sciences  
Vice Secretary-in-General, Hubei Cotton Association, 1992-1995  
Vice Chairman, Young Scientist Association, Huazhong Agricultural University, 1992-1995

### **At New Mexico State University**

Ad hoc Committee, chair, Chinese Student Recruitment, 2016  
Faculty Senate, senator, Aug. 2012- May 2015  
Delegation led by Provost to China Agricultural University (CAU), member, May and Oct. 2015  
Delegation led by Provost to Agricultural University of Hebei (AUH), member, Sept. 2014  
Delegation led by Associate Dean of College of Agriculture to CAU, AUH, Northwest A & F  
University, Southwest University, and Huazhong Agricultural University, May 17-26, 2014  
Department Graduate Studies Committee, chair, 2012-2013  
Department Awards Committee, chair, 2014- 2015  
Search Committee, chair, Sustainable Crop Production faculty position, 2007-2008  
Department Lab Safety, liaison, 2014- present  
Department Graduate Studies Committee, member, 2004-2005  
Search Committee, member, Crop Physiology faculty position in Clovis, 2005  
Department Curriculum Committee, member, 2003-2010  
Department Undergraduate Student Recruitment and Retention Committee, member, 2008-2011  
College Crop Variety Release Committee, member, 2003- present  
Secretary, New Mexico Cotton Breeding Research Advisory Committee, 2003- present  
Cotton Incorporated State Support Committee, 2003- present  
Cotton Task Force, leadership team member, 2009-2012

### **National**

National Cotton Variety Testing Committee  
West Regional Cotton Variety Testing Committee  
National Pima Variety Testing Committee  
Regional Breeders Testing Network  
USDA Inter-State Project S304 Committee

## **PUBLICATIONS**

### **A. Refereed publications (JIF: Journal impact factor in 2015/2016)**

#### **Submitted or to be submitted (May 5, 2017)**

- A126. **Zhang Jinfa**, A. Abdelraheem, and R. G. Percy. 2017. Combining ability, heterosis, and genetic distance among nine American Pima cotton cultivars (*Gossypium barbadense*) based on F2 and F3 generations. *Euphytica* (To be submitted)
- A125. **Zhang Jinfa**, A. Abdelraheem, J. X. Wu, and R. G. Percy. 2017. Heterosis, combining ability and genetic effect, and relationship with genetic distance based on a diallel of hybrids from five diverse *Gossypium barbadense* genotypes. *Euphytica* (To be submitted)
- A124. **Zhang Jinfa**, Tom Wedegaertner, Omololu J. Idowu, Soum Sanogo, Robert Flynn, and Sidney E. Hughs, and Don C. Jones. 2017. Registration of a glandless ‘Acala 1517-18 GLS’ cotton. *J. Plant Reg.* (To be submitted)

- A123. **Zhang Jinfa**, Roy G. Cantrell, Robert Flynn, and Sidney E. Hugh. 2017. Registration of nine Acala cotton germplasm lines with heavy boll weight and improved fiber quality in Upland cotton (*Gossypium hirsutum* L.). J. Plant Reg. (To be submitted)
- A122. **Zhang Jinfa**, R. G. Cantrell and S. E. Hughs. 2017. Registration of four Acala cotton germplasm lines with improved fiber strength in Upland cotton (*Gossypium hirsutum* L.). J. Plant Reg. (To be submitted)
- A121. **Zhang Jinfa** and S. E. Hughs. 2017. Accuracy, precision and harvesting efficiency of a cotton plot picker installed with an automatic weighing system in a cotton breeding program. J. Cotton Sci. (Submitted Mar. 29, 2017)
- A120. Abdelraheem A., F. Liu, M. Song, and **Jinfa Zhang** (Corresponding author). 2017. A meta-analysis of quantitative trait loci for abiotic and biotic stress resistance in tetraploid cotton. Mol. Genet. Genomics (Submitted April 27, 2017)
- A119. Abdelraheem A., D. D. Fang, and **Jinfa Zhang** (Corresponding author). 2017 Genome-wide association mapping for tolerance to drought and salt and resistance to verticillium wilt and thrips in Upland cotton. Euphytica (Submitted April 22, 2017)
- A118. Wu Jianyong, Meng Zhang, Xuexian Zhang, Liping Guo, Tingxiang Qi, Hailin Wang, Huini Tang, **Jinfa Zhang**, and Chaozhu Xing. 2017. Development of InDel markers for the restorer gene Rf1 and assessment of their utility for marker-assisted selection in cotton. Mol. Genet. Genomics (Submitted April 15, 2017)
- A117. Li Xihua, Guoyuan Liu, Yanhui Geng, Man Wu, Wenfeng Pei, Honghong Zhai, Xinshan Zang, Xingli Li, **Jinfa Zhang** (Co-corresponding author), Shuxun Yu (Co-corresponding author), and Jiwen Yu (Co-corresponding author). 2017. A genome-wide analysis of small auxin-up RNA (SAUR) gene family in cotton. BMC Genomics (Submitted Feb. 1, 2017)
- A116. Liu Guoyuan, Man Wu, Wenzhi Nan, Wenfeng Pei, Wenkui Wang, Jiwen Yu (co-corresponding author), Shuxun Yu (co-corresponding author), and **Jinfa Zhang** (co-corresponding author). 2017. A comparative transcriptomics of small RNAs reveals novel regulation patterns in elongating cotton fibres between two backcross inbred lines. Sci. Rep. (Submitted)

## 2017

- A115. **Zhang Jinfa**. 2017. History, progress and perspective in cotton breeding and genetics in New Mexico. J. Cotton Sci. (Invited)
- A114. **Zhang Jinfa**, Roy G. Cantrell, Sidney E. Hughs, and Don C. Jones. 2017. Registration of NM 970123, NM 990813, and NM W1218 germplasm lines of Upland cotton (*Gossypium hirsutum* L.). J. Plant Reg. (Accepted) (JIF: 0.474)
- A113. Wu Jianyong, Meng Zhang, Bingbing Zhang, Xuexian Zhang, Liping Guo, Tingxiang Qi, Hailin Wang, **Jinfa Zhang**, and Chaozhu Xing. 2017. A genome-wide comparative transcriptome analysis between CMS-D2 and its maintainer and restorer lines of Upland cotton. BMC Genomics (Accepted) (JIF: 3.867)
- A112. Li X. H., M. Wu, G. Y. Liu, W. F. Pei, W. K. Wang, H. H. Zhai, J. W. Yu (co-corresponding author), **Jinfa Zhang** (co-corresponding author), and S. X. Yu (co-corresponding author). 2017. Candidate genes for fiber length quantitative trait loci through RNA-Seq, sequence variation identification, and linkage and physical mapping in cotton. BMC Genomics (Accepted) (JIF: 3.867)
- A111. Wang Nuohan, Jianjiang Ma, Wenfeng Pei, Man Wu, Haijing Li, Xingli Li, Shuxun Yu (co-corresponding author), **Jinfa Zhang** (co-corresponding author), and Jiwen Yu (co-corresponding author). 2017. A genome-wide analysis of the lysophosphatidate acyltransferase (LPAAT) gene family in cotton: organization, expression, sequence variation, and association with seed oil content and fiber quality. BMC Genomics 18: 218 (JIF: 3.867)
- A110. Zhang Bingbing, Guoyuan Liu, Xue Li, Liping Guo, **Jinfa Zhang**, Xuexian Zhang, Tingxiang Qi, Hailin Wang, Huini Tang, Xiuqin Qiao, Chaozhu Xing, and Jianyong Wu. 2017. A genome-wide identification and analysis of the DYW-deaminase genes in the pentatricopeptide repeat gene family in cotton (*Gossypium* spp.). PLoS One 12: e0174201 (JIF: 3.057)

## 2016

- A109. **Zhang Jinfa**, Robert Flynn, Sidney E. Hughs, and Don C. Jones. 2016. Registration of ‘Acala 1517-10 B2RF’ cotton, a new Acala cotton cultivar with insect and herbicide resistance. *J. Plant Reg.* 10: 228-232 (JIF: 0.474)
- A108. **Zhang Jinfa**, J. Idowu, Robert Flynn, Sidney E. Hughs, Don C. Jones, and T. Wedegaertner. 2016. Registration of glandless ‘NuMex COT 15 GLS’ cotton. *J. Plant Reg.* 10: 223-227 (JIF: 0.474)
- A107. **Zhang J. F.**, R. Flynn, O. J. Idowu, T. Wedegaertner, and S. E. Hughs. 2016. Transgressive segregation in an Acala × Acala hybrid for the development of glandless cotton germplasm. *J. Cotton Sci.* 20: 145-153
- A106. **Zhang Jinfa**, M. Wu, J.W. Yu, X.L. Li, and W.F. Pei. 2016. Breeding potential of introgression lines developed from interspecific crossing between Upland cotton (*Gossypium hirsutum*) and *Gossypium barbadense*: heterosis, combining ability and genetic effects. *PLoS One* 11: e0143646 (JIF: 3.057)
- A105. Sanogo S. and **J. F. Zhang**. 2016. Resistance sources, resistance screening techniques and disease management for Fusarium wilt in cotton. *Euphytica* 207: 255-271 (JIF: 1.618)
- A104. Ma Q.F., M. Wu, C.H. Wu, W.F. Pei, X.L. Li, W.K. Wang, **J.F. Zhang** (co-corresponding author), J.W. Yu (co-corresponding author), and S.X. Yu (co-corresponding author). 2016. RNA-Seq-mediated transcriptome analysis of a fiberless mutant cotton and its possible origin based on SNP markers. *PLoS One* 11: e0151994 (JIF: 3.057)
- A103. Ma Qifeng, C. H. Wu, Man Wu, Wenfeng Pei, Wenkui Wang, Xingli Li, W. K. Wang, **Jinfa Zhang** (co-corresponding author), Jiwen Yu (co-corresponding author), and Shuxun Yu (co-corresponding author). 2016. Integrative transcriptome, proteome, phosphoproteome and genetic mapping reveals new aspects in a fiberless mutant of cotton. *Sci. Rep.* 6: 24485 (JIF: 5.228)
- A102. Wu Man, Liyuan Zhang, Xihua Li, Xiaobing Xie, Wenfeng Pei, Wenkui Wang, Jiwen Yu (co-corresponding author), Shuxun Yu (co-corresponding author), and **Jinfa Zhang** (co-corresponding author). 2016. A comparative transcriptome analysis of two sets of backcross inbred lines differing in lint yield derived from a *Gossypium hirsutum* × *Gossypium barbadense* backcross inbred line population. *Mol. Genet. Genomics* 291: 1749-1767 (JIF: 2.622)

## 2015

- A101. **Zhang J. F.** 2015. Transgenic cotton breeding. *In* D. Fang and R. G. Percy (eds.) *Cotton*. ASA-CSSA-SSSA Monograph Series. Madison, WI (An invited book chapter) p. 229-253.
- A100. **Zhang Jinfa**, Jiwen Yu, Wenfeng Pei, Xingli Li, Joseph Said, Mingzhou Song, and Soum Sanogo. 2015. Genetic analysis of Verticillium wilt resistance in a backcross inbred line population and a meta-analysis of quantitative trait loci for disease resistance in cotton. *BMC Genomics* 16:577 (JIF: 3.867)
- A99. **Zhang J. F.**, S. Sanogo, Z. Y. Ma, and Y. Y. Qu. 2015. Breeding, genetics, and quantitative trait locus mapping for Fusarium wilt resistance in cotton. *Crop Sci* 55: 2435-2453 (JIF: 1.550)
- A98. Zeng Linghe, Benjamin T. Campbell, Efreem Bechere, Jane K. Dever, **Jinfa Zhang**, Andrea S. Jones, Tyson B. Raper, Steve Hague, Wayne Smith, Gerald O. Myers, and Fred M. Bourland. 2015. Genotypic and environmental effects on cottonseed oil, nitrogen, and gossypol contents in eighteen years Regional High Quality tests. *Euphytica* 206: 815-824 (JIF: 1.618)
- A97. Barrick B., R. Steiner, G. Picchioni, A. Ulery, and **J. F. Zhang** (Corresponding author). 2015. Salinity responses of selected introgression cotton grown in two soils. *J. Cotton Sci.* 19: 268-278
- A96. Sun Youping, Genhua Niu and **Jinfa Zhang**. 2015. Growth responses of an introgression cotton line and its parents cotton genotypes to controlled drought using an automated irrigation system. *J. Cotton Sci.* 19: 290-297
- A95. Abdelraheem Abdelraheem, Ezzat Mahdy, and **Jinfa Zhang** (Corresponding author). 2015. The first linkage map for a recombinant inbred line population of cotton (*Gossypium barbadense*) and its use in studies of PEG-induced dehydration tolerance. *Euphytica* 205: 941-958 (JIF: 1.618)
- A94. Said Joseph I., Joseph A. Knapka, Mingzhou Song, and **Jinfa Zhang** (Corresponding author). 2015. Cotton QTLdb: a cotton QTL database for QTL analysis, visualization, and comparison between *Gossypium hirsutum* and *G. hirsutum* × *G. barbadense* populations. *Mol. Genet. Genomics* 290: 1615-1625 (JIF: 2.622)

- A93. Said Joseph I., Mingzhou Song, Hantao Wang, Zhongxu Lin, Xianlong Zhang, David D. Fang, and **Jinfa Zhang** (Corresponding author). 2015. A comparative meta-analysis of QTL between intraspecific *Gossypium hirsutum* and interspecific *G. hirsutum* × *G. barbadense* populations. *Mol. Genet. Genomics* 290: 1003-1025 (JIF: 2.622)
- A92. Abdelraheem A., S. E. Hughs, D. C. Jones, and **J. F. Zhang** (Corresponding author). 2015. Genetic analysis and quantitative trait locus mapping of drought tolerance in cotton under PEG conditions. *Plant Breed.* 134: 111-120 (JIF: 1.543)
- A91. Mo H. J., X. Wang, Y. Zhang, G. Y. Zhang, **J. F. Zhang**, and Zhiying Ma. 2015. Cotton polyamine oxidase is required for spermine and camalexin signalling in the defence response to *Verticillium dahliae*. *The Plant J.* 83: 962-975. (JIF: 5.468)
- A90. Travis B. Cotton, Hien H. Nguyen, Joseph I. Said, Zhengyu Ouyang, **Jinfa Zhang**, and Mingzhou Song. 2015. Discerning mechanistically rewired biological pathways by heterogeneity analysis of system dynamics. *Sci. Rep.* 5: 9634 (JIF: 5.228)
- A89. Wu Man, Shu-Li Fan, Mei-Zhen Song, Ji-Wen Yu, Chao-You Pang, Jiang-Hui Wei, **Jinfa Zhang** and Shu-Xun Yu. 2014. Gene expression profiling in shoot apical meristem of *Gossypium hirsutum*. *Russian J. Plant Physiol.* 62: 684-694 (JIF: 0.737)

## 2014

- A88. **Zhang J. F.**, R. G. Percy, and J. C. McCarty Jr. 2014. Introgression genetics and breeding between Upland and Pima cotton- a review. *Euphytica* 198: 1-12 (JIF: 1.618)
- A87. **Zhang J. F.**, O. J. Idowu, R. Flynn, T. Wedegaertner, and S. E. Hughs. 2014. Genetic variation and selection within glandless cotton germplasm. *Euphytica* 198: 59-67 (JIF: 1.618)
- A86. **Zhang J. F.**, Omololu J. Idowu, T. Wedegaertner, and S. E. Hughs. 2014. Genetic variation and comparative analysis of thrips resistance in glandless and glanded cotton under field conditions. *Euphytica* 199: 373-383 (JIF: 1.618)
- A85. **Zhang J. F.**, H. Fang, H. P. Zhou, Soum Sanogo, and Z. Y. Ma. 2014. Genetics, breeding, and marker-assisted selection for *Verticillium* wilt resistance in cotton. *Crop Sci.* 54: 1289-1303 (JIF: 1.550)
- A84. Ma Q. F., M. Wu, W. F. Pei, H. J. Li, X. L. Li, **J. F. Zhang**, J. W. Yu, and S. X. Yu. 2014. Quantitative phosphoproteomic profiling of cotton fiber differentiation and initiation in a fiberless mutant. *BMC Genomics* 15: 466 (JIF: 3.867)
- A83. Idowu O. J., **J. F. Zhang**, R. F. Flynn, J. B. Pierce, and T. Wedegaertner. 2014. Comparative performance of a glandless Acala cultivar and two glanded Acala cultivars in New Mexico. *J. Cotton Sci.* 18: 122-128
- A82. Zeng L. H., B. T. Campbell, J. K. Dever, **J. F. Zhang**, K. F. Glass, A. S. Jones, G. O. Myers, and F. M. Bourland. 2014. Genotype by environment interaction effects on lint yield of cotton cultivars across major regions in the U.S. Cotton Belt. *J. Cotton Sci.* 18: 75-84
- A81. Zhou H. P., H. Fang, S. Sanogo, S. E. Hughs, D. C. Jones, and **J. F. Zhang** (Corresponding author). 2014. Evaluation of *Verticillium* wilt resistance in commercial cultivars and advanced breeding lines of cotton. *Euphytica* 196:437-448 (JIF: 1.618)
- A80. Tiwari R. S., J. M. Stewart, and **J. F. Zhang** (co-corresponding author). 2014. Molecular diversity based on AFLP markers and possible natural hybridization among the Australian arid zone *Gossypium* species. *Australian J. Crop Sci.* 8: 674-679
- A79. Rodriguez-Uribe L., A. Abdelraheem, R. Tiwari, C. Sengupta-Gapalan, S. E. Hughs, and **J. F. Zhang** (Corresponding author). 2014. Identification of drought response genes in a drought tolerant cotton (*Gossypium hirsutum* L.) under irrigated field conditions and development of candidate gene markers for drought tolerance. *Mol. Breed.* 14: 1776-1796 (JIF: 2.108)
- A78. Fang H., H. P. Zhou, S. Sanogo, and **J. F. Zhang** (Corresponding author). 2014. Development of STS markers for *Verticillium* wilt resistance in cotton based on RGA-AFLP analysis. *Mol. Breed.* 34: 917-926 (JIF: 2.108)

- A77. Gore M., D. Fang, J. A. Poland, **J. F. Zhang**, R. G. Percy, R. G. Cantrell, and G. Thyssen. 2014. Linkage map construction and QTL analysis of agronomic and fiber quality traits. *Plant Genome* 7: 1-10 (JIF: 3.509)
- A76. Wu Jianyong, Juan Wei, Guo Liping, Tingxiang Qi, **Jinfa Zhang**, and Chaozhu Xing. 2014. Development of a candidate gene marker for Rf1 based on a PPR gene in cytoplasmic male sterile CMS-D2 Upland cotton. *Mol. Breed.*34: 231-240 (JIF: 2.108)
- A75. Fang Hui, Huiping Zhou, Soum Sanogo, David Fang, Richard G. Percy, Sidney E. Hughs, Don. C. Jones, Michael Gore, and **Jinfa Zhang** (Corresponding author). 2014. Quantitative trait loci mapping for Verticillium wilt resistance in an introgressed recombinant inbred line population of Upland cotton. *Mol. Breed.* 33:709-720 (JIF: 2.108)

## 2013

- A74. **Zhang J.F.**, H. Fang, H. P. Zhou, S. E. Hughs, and D. C. Jones. 2013. Inheritance and transfer of thrips resistance from Pima cotton to Upland cotton. *J. Cotton Sci.* 17: 163-169
- A73. Hutmacher R. B., Mauricio Ulloa, Steven D. Wright, B. Todd Campbell, Richard Percy, Ted Wallace, Gerald Myers, Fred Bourland, David Weaver, Peng Chee, Peggy Thaxton, **J. F. Zhang**, Wayne Smith, Jane Dever, Vasu Kuraprthy, and Don Jones. 2013. Assessment of elite Upland cotton germplasm pool for Fusarium wilt (FOV) resistance in California. *Agron. J.* 105: 1632-1644 (JIF: 1.464)
- A72. Niu G. H., D. Rodriguez, J. Dever, and **J. F. Zhang**. 2013. Responses of five cotton genotypes to sodium chloride and sodium sulfate saline water irrigation. *J. Cotton Sci.* 17: 233-244
- A71. Tiwari R., G. Picchioni, R. Steiner, D. Jones, S. E. Hughs, and **J. F. Zhang** (Corresponding author). 2013. Genetic variation in salt tolerance during seed germination in a backcross inbred line population and advanced breeding lines derived from *Gossypium hirsutum* x *G. barbadense*. *Crop Sci.* 53: 1974-1982 (JIF: 1.550)
- A70. Tiwari R., G. A. Picchioni, R. L. Steiner, D. Jones, S. E. Hughs, and **J. F. Zhang** (Corresponding author). 2013. Genetic variation in salt tolerance at the seedling stage in an interspecific backcross inbred line population of cotton. *Euphytica* 194: 1-11 (JIF: 1.618)
- A69. Chen Xuemei, Wenhui Gao, **Jinfa Zhang**, Xianlong Zhang, and Zhongxu Lin. 2013. Linkage mapping and expression analysis of miRNAs and their target genes during fiber development in cotton. *BMC Genomics* 14: 706 (JIF: 3.867)
- A68. Said Joseph, Z. X. Lin, X. L. Zhang, M. Z. Song, and **J. F. Zhang** (Corresponding author). 2013. A comprehensive QTL meta-analysis for fiber quality, yield, yield related and morphological traits, drought tolerance, and disease resistance in tetraploid cotton. *BMC Genomics* 14: 776 (JIF: 3.867)
- A67. Li X. M., D. J. Yuan, **J. F. Zhang**, Z. X. Lin, X. L. Zhang. 2013. Genetic mapping and characteristics of genes specifically or preferentially expressed during fiber development in cotton. *PLoS One* 8: e54444 (JIF: 3.057)
- A66. Yu J. W., K. Zhang, S. X. Yu, S. L. Fan, M. Z. Song, H. H. Zhai, X. L. Liu, S. L. Huang, H. W. Zhang, and **J. F. Zhang** (Corresponding author). 2012. Mapping quantitative trait loci for lint yield and fiber quality across environments in a *Gossypium hirsutum* x *Gossypium barbadense* backcross inbred line population. *Theor. Appl. Genet.* 126: 275-287 (JIF: 3.900)
- A65. Suzuki H., J. W. Yu, F. Wang and **J. F. Zhang** (Corresponding author). 2013. Identification of mitochondrial DNA sequence variation and development of single nucleotide polymorphic markers of CMS-D8 cotton. *Theor. Appl. Genet.*126:1521-1529 (JIF: 3.900)
- A64. Yu J. W., S. X. Yu, M. Gore, and **J. F. Zhang** (Corresponding author). 2013. Mapping quantitative trait loci based on F2, F2:3 and testcrossing of an interspecific cotton hybrid between *Gossypium hirsutum* and *Gossypium barbadense*. *Euphytica* 191: 375-389 (JIF: 1.618)
- A63. Fang Hui, Huiping Zhou, Soum Sanogo, Robert Flynn, Richard G. Percy, Sidney E. Hughs, Mauricio Ulloa, Don. C. Jones, and **Jinfa Zhang** (Corresponding author). 2013. Quantitative trait locus mapping for Verticillium wilt resistance in a backcross inbred line population of cotton (*Gossypium hirsutum* × *Gossypium barbadense*). *Euphytica* 194: 79-91 (JIF: 1.618)



- A62. Suzuki H., J. W. Yu, S. A. Ness, M. A. O'Connell, and **J. F. Zhang** (Corresponding author). 2013. RNA editing events in mitochondrial genes by ultra-deep sequencing methods: a comparison of cytoplasmic male sterile, fertile and restored cytoplasms in cotton. *Mol. Genet. Genomics* 288: 445-457 (JIF: 2.622)
- A61. Wei M., H. Wei, M. Wu, M. Song, C. Pang C, J. Yu, S. Fan, **J. F. Zhang**, and S. Yu. 2013. Discovery and comparative expression profiling of miRNA during the anther development of a genetic male sterile mutant and its wild-type cotton. *BMC Plant Biol.* 13: 66 (JIF: 3.631)
- A60. Suzuki H., Laura Rodriguez-Uribe, and **J. F. Zhang** (Corresponding author). 2013. Microarray analysis of cytoplasmic male sterility and restoration in Upland cotton. *Plant Cell Rep.* 32: 1531-1542 (JIF: 3.088)

## 2012

- A59. **Zhang J. F.**, S. Sanogo, R. Flynn, J. B. Baral, S. Bajaj, and S. E. Hughs. 2012. Germplasm evaluation and transfer of Verticillium wilt resistance from Pima (*Gossypium barbadense*) to Upland cotton (*G. hirsutum*). *Euphytica* 187: 147-160 (JIF: 1.618)
- A58. Gore M., R. G. Percy, **J. F. Zhang**, and David Fang. 2012. Registration of NM24016/TM-1 RIL, a population of recombinant inbred lines of cotton (*Gossypium hirsutum* L.). *J. Plant Reg.* 6: 124-127 (JIF: 0.474)
- A57. Meredith W. R. Jr., Deborah L. Boykin, Fred M. Bourland, David L. Caldwell, B. Todd Campbell, J. R. Gannaway, Kathy Glass, Lloyd M. May, Andrea Phillips, C. W. Smith, and **J. F. Zhang**. 2012. Genotype x environment interactions over seven years for yield, yield components, fiber quality and gossypol traits in the regional high quality tests. *J. Cotton Sci.* 16: 160-169
- A56. Curtiss J., J. McD. Stewart, and **J. F. Zhang** (Corresponding author). 2012. Identification of molecular markers associated with semigamy in cotton. *Plant Mol. Biol. Rep.* 30: 189-192 (JIF: 2.304)
- A55. Lin Z. X., Y. Wang, X. L. Zhang, and **J. F. Zhang** (Corresponding author). 2012. Functional markers for cellulose synthase genes and comparison with SSR markers. *Plant Mol. Biol. Rep.* 30: 1270-1275 (JIF: 2.304)
- A54. Yu J. Z., D. D. Fang, R. J. Kohel, M. Ulloa, L. L. Hinze, R. G. Percy, **J. F. Zhang**, P. Chee, B. E. Scheffler, and D. C. Jones. 2012. Development of core SSR markers for characterization of *Gossypium* germplasm. *Euphytica* 187: 203-213 (JIF: 1.618)
- A53. Yu J. W., S. X. Yu, K. Zhang, S. L. Fan, M. Z. Song, H. H. Zhai, X. L. Li, S. L. Huang, H. W. Zhang, and **J. F. Zhang** (Corresponding author). 2012. Mapping quantitative trait loci for cottonseed oil, protein and gossypol content in a *Gossypium hirsutum* x *Gossypium barbadense* backcross inbred line population. *Euphytica* 187: 191-201 (JIF: 1.618)
- A52. Ma J. H., H. L. Wei, M. Z. Song, C. Y. Pang, J. Liu, L. Wang, **J. F. Zhang**, S. L. Fan, S. X. Yu. 2012. Transcriptome profiling reveals that flavonoid and ascorbate-glutathione cycle are important during anther development in Upland cotton. *PLoS One* 7: e29422 (JIF: 3.057)
- A51. Pang M. X., R. G. Percy, S. E. Hughs, D. C. Jones, and **J. F. Zhang** (Corresponding author). 2012. Identification of genes that were differentially expressed and associated with fiber yield and quality using cDNA-AFLP and a backcross inbred line population. *Mol. Breed.* 30: 975-985 (JIF: 2.108)
- A50. Pang M. X., R. G. Percy, J. McD. Stewart, E. Hughs, and **J. F. Zhang** (Corresponding author). 2012. Comparative transcriptome analysis of Pima and Acala cotton during boll development using 454 pyrosequencing technology. *Mol. Breed.* 30: 1143-1153 (JIF: 2.108)
- A49. Curtiss J., R. B. Turley, J. McD. Stewart, and **J. F. Zhang** (Corresponding author). 2012. Identification of differentially expressed genes in semigametic Pima cotton by differential display. *Plant Mol. Biol. Rep.* 30: 643-653 (JIF: 2.304)

## 2011

- A48. **Zhang Jinfa**, R. Flynn, S. E. Hughs, S. Bajaj, C. Waddell, and Don C. Jones. 2011. Registration of 'Acala 1517-08' cotton. *J. Plant Reg.* 5: 156-163 (JIF: 0.474)

- A46. **Zhang Jinfa**, R. Flynn, S. E. Hughs, S. Bajaj, and Don C. Jones. 2011. Registration of ‘Acala 1517-09R’ cotton. *J. Plant Reg.* 5: 164-169 (JIF: 0.474)
- A47. Zhang Chaojun, Yu Shuxun, Fan Shuli, **Jinfa Zhang**, and Li Fuguang. 2011. Inheritance of somatic embryogenesis using leaf petioles as explants in cotton. *Euphytica* 181: 55-63 (JIF: 1.618)
- A45. Wu J. Y., Y. C. Gong, M. H. Cui, T. X. Qi, L. P. Guo, **J. F. Zhang**, C. Z. Xing. 2011. Molecular characterization of cytoplasmic male sterility conditioned by *Gossypium harknessii* cytoplasm (CMS-D2) in Upland cotton. *Euphytica* 181: 17-28 (JIF: 1.618)
- A44. Niu C., Yingzhi Lu, Youlu Yuan, R. G. Percy, Mauricio Ulloa, and **J. F. Zhang** (Corresponding author). 2011. Mapping resistance gene analogs (RGAs) in cultivated tetraploid cotton using RGA-AFLP analysis. *Euphytica* 181: 65-76 (JIF: 1.618)
- A43. Pang M. X., J. McD. Stewart, and **J. F. Zhang** (Corresponding author). 2011. A mini-scale hot borate method for the isolation of total RNA from a large number of cotton tissue samples. *Afr. J. Biotech.* 10: 15430-15437
- A42. Zhang Mi, Xuelian Zheng, Shuiqing Song, Qiwei Zeng, Lei Hou, Demou Li, Juan Zhao, Yuan Wei, Xianbi Li, Ming Luo, Yuehua Xiao, Xiaoying Luo, **Jinfa Zhang**, Chengbin Xiang and Yan Pei. 2011. Spatiotemporal manipulation of auxin biosynthesis in cotton ovule epidermal cells enhances fiber yield and quality. *Nature Biotech.* 29: 453-458 (JIF: 43.113)
- A41. Curtiss C., L. Rodrigues-Uribe, J. McD. Stewart, and **Jinfa Zhang** (Corresponding author). 2011. Identification of differentially expressed genes associated with semigamy in Pima cotton (*Gossypium barbadense* L.) through comparative microarray analysis. *BMC Plant Biol.* 11: 49 (JIF: 3.631)
- A40. Pang M. X., C. Z. Xing, N. Adams, L. Rodriguez-Uribe, S. E. Hughs, Stephen F. Hanson, and **J. F. Zhang** (Corresponding author). 2011. Comparative expression of miRNA genes and miRNA-based AFLP marker analysis in cultivated tetraploid cottons. *J. Plant Physiol.* 168: 824-830 (JIF: 2.971)
- A39. Rodriguez-Uribe L., S. M. Higbie, J. McD. Stewart, T. Wilkins, W. Lindemann, C. Sengupta-Gopalan, and **J. F. Zhang** (Corresponding author). 2011. Identification of salt responsive genes using comparative microarray analysis in Upland cotton (*Gossypium hirsutum* L.). *Plant Sci.* 180: 461-469 (JIF: 3.362)
- A38. Wu M., S. L. Fan, M. Z. Song, C. Y. Pang, J. H. Wei, J. Liu, J. W. Yu, **J. F. Zhang**, and S. X. Yu. 2011. Cloning and expression of GhTM6, a gene that encodes a B-class MADS-box protein in *Gossypium hirsutum*. *J. Russian Plant Physiol.* 58: 498-506 (JIF: 0.737)

## 2010

- A37. Dowd Michael K., Deborah L. Boykin, William R. Meredith, Jr., B. Todd Campbell, Fred M. Bourland, John R. Gannaway, Kathryn M. Glass, and **Jinfa Zhang**. 2010. Fatty acid profiles of cottonseed genotypes from the national cotton variety trials. *J. Cotton Sci.* 14: 64-73.
- A36. Higbie Sarah M., Fei Wang, J. McD. Stewart, Tracy M. Sterling, William C. Lindemann, E. Hughs, and **Jinfa Zhang** (Corresponding author). 2010. Physiological response to salt (NaCl) stress in selected cultivated tetraploid cottons. *Intern. J. Agron.* Volume 2010 (2010), Article ID 643475, 12 pages
- A35. Wang F., C. D. Feng, M. A. O’Connell, J. McD. Stewart and **Jinfa Zhang** (Corresponding author). 2010. RFLP analysis of mitochondrial DNA in two cytoplasmic male sterility systems (CMS-D2 and CMS-D8) of cotton. *Euphytica* 172: 93-99. (JIF: 1.618)

## 2009

- A34. Mauricio Ulloa, Richard Percy, Bob Hutmacher and **Jinfa Zhang**. 2009. The future of cotton breeding in the western United States. *J. Cotton Sci.* 13: 246-255
- A33. Percy R. G., Mauricio Ulloa, and **Jinfa Zhang**. 2009. Registration of PSI 113 and PSI 425 germplasm lines of Pima cotton possessing superior fiber quality traits. *J. Plant Reg.* 3: 297-299 (JIF: 0.474)

- A32. Ulloa, M., R. Percy, **Jinfa Zhang**, R. B. Hutmacher, S. D. Wright and R. M. Davis. 2009. Registration of four Pima cotton germplasm lines having good levels of Fusarium wilt race 4 resistance with moderate yields and good fibers. *J. Plant Reg.* 3: 198-202 (JIF: 0.474)
- A31. Lu Y., J. Curtiss, R. Percy, R. G. Cantrell, Shuxun Yu, E. Hughs and **J. F. Zhang** (Corresponding author). 2009. DNA polymorphisms of genes involved in fiber development in a selected set of cultivated tetraploid cotton. *Crop Sci.* 49: 1695-1704 (JIF: 1.550)
- A30. Wang Fei, Bing Yue, Jinguo Hu, J. McD. Stewart and **Jinfa Zhang** (Corresponding author). 2009. A targeted region amplified polymorphism (TRAP) marker for fertility restorer gene Rf1 and chromosomal localization of Rf1 and Rf2 in cotton. *Crop Sci.* 49: 1602-1608 (JIF: 1.550)
- A29. Pang M. X., Youlu Yuan, Shuxun Yu, R.G. Percy and **J. F. Zhang** (Corresponding author). 2009. Promoter anchored amplified polymorphism based on random amplified polymorphic DNA analysis (PAAP-RAPD) in cotton. *Euphytica* 167: 281-291 (JIF: 1.618)

## 2008

- A28. **Zhang J. F.**, R. B. Turley and J. McD. Stewart. 2008. Comparative analysis of gene expression between CMS-D8 restored plants and normal non-restoring fertile plants in cotton by differential display. *Plant Cell Rep.* 27: 553-561 (JIF: 3.088)
- A27. Lu Y., J. Curtiss, D. N. Miranda, E. Hughs and **J. F. Zhang** (Corresponding author). 2008. ATG anchored AFLP (ATG-AFLP) analysis in cotton. *Plant Cell Rep.* 27: 1645-1653 (JIF: 3.088)
- A26. Esmail R. M., **J. F. Zhang**, and A. M. Abdel-Hamid. 2008. Genetic diversity in elite cotton germplasm lines using field and RAPD markers. *World J. Agric. Sci.* 4: 369-375

## 2007

- A25. **Zhang J. F.**, C. Waddell, C. Sengupta-Gopalan, C. Potenza and R. G. Cantrell. 2007. Diallel analysis of root-knot nematode resistance based on galling index in upland cotton. *Plant Breed.* 126: 164-168 (JIF: 1.543)
- A24. **Zhang J. F.**, F. Wang, C. Niu, W. Wang M. Pang, Y. Lu, J. Curtiss, D. Miranda, Y.L. Yuan, S. Yu, R. G. Percy, and J.M. Stewart. 2007. Development of gene targeted AFLP marker systems and their applications in cotton breeding and genomics. *Proc. World Cotton Res. Conf.-4*, 10-14 Sept. 2007, Lubbock, TX, USA, DVD, OminPress
- A23. **Zhang Jinfa** and Richard G. Percy. 2007. Improving Upland cotton, *Gossypium hirsutum* by introducing desirable genes from *G. barbadense*. *Proc. World Cotton Res. Conf.-4*, 10-14 Sept. 2007, Lubbock, TX, USA, DVD, OminPress
- A22. **Zhang J. F.**, Yuan Y., C. Niu, Doug J. Hinchliffe, Y. Lu, Shuxun Yu, R. G. Percy and R. G. Cantrell. 2007. AFLP-RGA markers in comparison with RGA and AFLP in cultivated tetraploid cotton. *Crop Sci.* 47: 180-187 (JIF: 1.550)
- A21. Niu C., Doug J. Hinchliffe, Yingzhi Lu, Roy G. Cantrell, C. Wang, Philip Roberts and **J. F. Zhang** (Corresponding author). 2007. Identification of molecular markers linked to root-knot nematode resistance in cotton (*Gossypium hirsutum* L.). *Crop Sci.* 47: 951-960 (JIF: 1.550)
- A20. Yu Jiwen, Yu Shuxun, Lu Cairui, Wang Wu, Fan Shuli, Song Meizhen, Lin Zhongxu, Zhang Xianlong and **Jinfa Zhang**. 2007. A high-density linkage map of cultivated allotetraploid cotton based on SSR, TRAP, SRAP and AFLP markers. *J. Integrative Plant Biol.* 49: 716-724 (JIF: 3.670)
- A19. Wang Fei, J. McD. Stewart and **J. F. Zhang** (Corresponding author). 2007. Molecular markers linked to the Rf2 fertility restorer gene in cotton. *Genome* 50: 818-824 (JIF: 1.356)

## 2006

- A18. **Zhang Jinfa**, C. Waddell, C. Segupta-Gopalan, C. Potenza and R. G. Cantrell. 2006. Relationships between root-knot nematode resistance and plant growth in Upland cotton: galling index as a criterion. *Crop Sci.* 46: 1581-1586 (JIF: 1.550)

A17. Percy R. G., **Jinfa Zhang** and R. G. Cantrell. 2006. Genetic variation for agronomic and fiber properties in an introgressed recombinant inbred population of cotton. *Crop Sci.* 46: 1311-1317 (JIF: 1.550)

## 2005

A16. **Zhang Jinfa**, Yingzhi Lu, R. G. Cantrell and E. Hughs. 2005. Molecular marker diversity and field performance in commercial cotton cultivars evaluated in the southwest USA. *Crop Sci.* 45: 1483-1490 (JIF: 1.550)

A15. **Zhang Jinfa**, Y. Lu, H. Adragna and E. Hughs. 2005. Genetic improvement of New Mexico Acala cotton germplasm and their genetic diversity. *Crop Sci.* 45: 2363-2373 (JIF: 1.550)

A14. **Zhang Jinfa**, J. McD. Stewart and T. H. Wang. 2005. Linkage analysis between gametophytic restorer Rf2 gene and genetic markers in cotton. *Crop Sci.* 45: 147-156 (JIF: 1.550)

A13. **Zhang Jinfa**, Yingzhi Lu and Shuxun Yu. 2005. Cleaved AFLP (cAFLP), a modified amplified fragment length polymorphism analysis for cotton. *Theor. Appl. Genet.* 111: 1385-1395 (JIF: 3.900)

A12. Hinchliffe D., Yingzhi Lu, Carol Potenza, Champa-Segupta Gopalan, R. G. Cantrell and **J. F. Zhang** (Corresponding author). 2005. Resistance gene analogues (RGAs) are mapped on homoeologous chromosomes in cultivated tetraploid cotton. *Theor. Appl. Genet.* 110: 1074-1085 (JIF: 3.900)

A11. Feng C. D., **Zhang J. F.** and J. McD. Stewart. 2005. Development of STS markers associated with cotton CMS fertility restorer gene Rf1. *Theor. Appl. Genet.* 110: 237-243 (JIF: 3.900)

## 2004

A10. **Zhang Jinfa** and J. McD. Stewart. 2004. Semigamy gene is associated with chlorophyll reduction in cotton. *Crop Sci.* 44: 2054-2062 (JIF: 1.550)

A9. **Zhang J. F.** and J. McD. Stewart. 2004. Identification of molecular markers linked to the fertility restorer genes for CMS-D8 in cotton. *Crop Sci.* 44: 1209-1217 (JIF: 1.550)

A8. Girish Kumar Krishna, **Jinfa Zhang**, Mark Burow, Roy N. Pittman, Stanko G. Delikostadinov, Yingzhi Lu and Naveen Puppala. 2004. Genetic diversity analysis in valencia peanut (*Arachis hypogaea* L.) using microsatellite markers. *Cell. Mol. Biol. Lett.* 9: 685-697 (JIF: 1.753)

## 2003

A7. Brown G. G., N. Formannova, H. Jin, R. Wargachuk, C. Dendy, P. Patil, M. Laforest, **J. F. Zhang**, W. Y. Cheung and B. S. Landry. 2003. The radish Rfo restorer gene of ogura cytoplasmic male sterility encodes a protein with multiple pentatricopeptide repeats. *Plant Journal* 35: 262-272 (JIF: 5.468)

## 2001

A6. **Zhang Jinfa** and J. McD. Stewart. 2001. CMS-D8 restoration in cotton is conditioned by one dominant gene. *Crop Sci.* 41: 283-288 (JIF: 1.550)

A5. **Zhang Jinfa** and J. McD. Stewart. 2001. Inheritance and genetic relationships of the D8 and D2-2 restorer genes for cotton cytoplasmic male sterility. *Crop Sci.* 41: 289-294 (JIF: 1.550)

## 2000

A4. **Zhang J. F.** and J. McD. Stewart. 2000. Economic and rapid method for extracting cotton genomic DNA. *J. Cotton Sci.* 4: 193-201

A3. Zuo K. J., J. Z., Sun, **J. F. Zhang**, Y. C. Nie, and J. L. Liu. 2000. Genetic diversity evaluation of some Chinese elite cotton varieties with RAPD markers. *J. Genet. Genomics* 27: 817-823 (JIF: 3.981)

## 1995

A2. **Zhang Jinfa** and Sun Jizhong. 1995. Progress of cotton genetic research in China. Challenging the Future: Proc. World Cotton Res. Conf.-1, p289-290

A1. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1995. Inheritance and genetic effect of cleistogamy in upland cotton. Challenging the Future: Proc. World Cotton Res. Conf.-1, p291-293

## B. Refereed publications in Chinese and in Chinese journals

### 2017

B93. Wu Chunhui, Qifeng Ma, Haijing Li, Wenkui Wang, Wenfeng Pei, Xingli Li, Man Wu, **Jinfa Zhang**, Jiwen Yu, and Shuxun Yu. 2017. Genetic mapping of a fuzzless mutant gene in Upland cotton using high resolution melting-based single nucleotide polymorphism markers. *Cotton Sci.* 29: 1-8

### 2015

B92. Ma Jian-jiang, Wang Nuo-han, Wu Man, Pei Wen-feng, Wang Wen-kui, Li Xing-li, **Zhang Jinfa**, Yu Shu-xun, Yu Ji-wen. 2015. Genome-wide analysis of the LPAAT gene family in *Gossypium raimondii* and *G. arboreum*, and expression analysis of its orthologs in *G. hirsutum*. *Hereditas* 37: 692-701

B91. Ma Jian-jiang, Wu Man, Pei Wen-feng, Li Xing-li, Huang Shuang-ling, **Zhang Jinfa**, Yu Ji-wen and Yu Shu-xun. 2015. The Oil and fatty acid accumulation patterns in developing cottonseeds of Xuzhou142 and its fiberless and fuzzless mutant. *Cotton Sci.* 27:95-103

### 2014

B90. Wang Nuo-han, Yu Ji-wen, Wu Man, Ma Qi-feng, Li Xing-li, Pei Wen-feng, Li Hai-jing, Huang Shuang-ling, **Zhang Jinfa** and Yu Shu-xun. 2014. Cloning, expression, and functional analysis of GhMYB0 gene from cotton (*Gossypium hirsutum* L.). *Acta Agronomica Sinica* 40:1540-1548

### 2013

B89. Nan Wen-zhi, Wu Man, Yu Ji-wen, Fan Shu-li, Huang Shuang-ling, Li Xing-li, Zhang Hong-wei, **Jinfa Zhang** and Yu Shu-xun. 2013. Identification of cotton microRNAs and their targets by high-throughput sequencing. *Cotton Sci.* 25: 300-308

B88. Zhang L. Y., J.W. Yu Ji, M. Wu, J. H. Ma, S.L. Fan, M.Z. Song, C. Y. Pang, X.L. Li, **J. F. Zhang**, and S.X. Yu. 2013. Identification of genes related to cotton yield using Affymetrix gene chips. *Cotton Sci.* 25: 417-425

B87. Li X., M. Wu, J. W. Yu, **J. F. Zhang**, S. L. Fan, M. Z. Song, C. Y. Pang and S. X. Yu. 2013. Transcriptome analysis of early developing cotton fibers by RNA-Seq. *Cotton Sci.* 25: 189-196

### 2012

B86. Ma Q. F., J. W. Yu, M. Wu, H. H. Zhai, **J. F. Zhang** and S. X. Yu. 2012. Construction of the fluorescent vector encoding *Gossypium barbadense* GbHOX4 gene. *China Cottons* 39: 7-10

## 2011

- B85. Li L. Y., J. W. Yu, H. H. Zhai, S. L. Huang, H. W. Zhang, **J. F. Zhang**, S. X. Yu. 2011. Identification of fiber length-related genes using cotton oligonucleotide microarrays. *Acta Agron. Sin.* 37: 95-104
- B84. Xie X. B., J. W. Yu, M. Wu, H. H. Zhai, S. L. Fan, M. Z. Song, C. Y. Pang, X. L. Li, **J. F. Zhang**, and S. X. Yu. 2011. Analysis of SSCP for cotton differentially expressed genes related to fiber development. *Cotton Sci.* 23: 306-310
- B83. Wang D. L., J. W. Yu, S. X. Yu, H. H. Zhai, S. L. Fan, M. Z. Song, and **J. F. Zhang**. 2011. Cloning, sequence and expression analysis of *Gossypium barbadense* L. pepc gene. *Cotton Sci.* 23: 80-89
- B82. Xie X. B., J. W. Yu, M. Wu, Y. N. Zheng, H. H. Zhai, X. L. Li, S. L. Fan, M. Z. Song, **J. F. Zhang**, and S. X. Yu. 2011. Development of SSCP markers for genes related to oil synthesis in cotton. *Mol. Plant Breed.* 9: 336-342

## 2010

- B81. Li L. Y., J. W. Yu, H. H. Zhai, S. L. Huang, X. L. Li, H. W. Zhang, **J. F. Zhang**, and S. X. Yu. 2010. Comparative analysis of cotton fiber development related gene expression profiling. *Mol. Plant Breed.* 8: 488-496

## 2009

- B80. Wang De-long, Yu Ji-wen, Yu Shu-xun, Zhai Hong-hong, Fan Shu-li, Song Mei-zhen, and **Jinfa Zhang**. 2009. The Construction of cDNA library from cotton seed. *Cotton Sci.* 21: 351-355

## 1999

- B79. Wu Zhengbin, Liu Guoquan, Guo Jiehua and **Jinfa Zhang**. 1999. Studies on the identification techniques and evaluation criteria of cotton resistance to Fusarium wilt. *J. Hubei Agric. Sci.* (1):
- B78. Wu Zhengbin, Li Jin, Feng Chunda and **Jinfa Zhang**. 1999. Studies on the identification techniques of cotton resistance to Verticillium wilt. *J. Hubei Agric. Sci.* (5):
- B77. Wu Zhengbin, **Jinfa Zhang**, Feng Chunda and Zhou Bian. 1999. Studies on cotton new cross materials resistant to insects. *J. Huazhong Agric. Univ.* 18(4):
- B76. Song K. L., Cui Y. S., Wang K. B., Li. S. H., **Zhang J. F.**, Guo J. H. and Zhang J. M. 1999. Analysis of genetic diversity of Australian species of *Gossypium* using RAPD. *Acta Gossypii Sin.* 11: 65-69

## 1998

- B75. Feng C. D., **Zhang Jinfa**, Liu J., Wu Z., Guo J. and Sun J. 1998. Allelism and linkage test of upland cotton genes resistant to Fusarium wilt. *Hereditas* 20 (1): 33-36
- B74. Zuo, K. J., Sun J. Z., **Zhang J. F.**, Liu J. L. and Nie Y. C. 1998. Advances in research on cotton molecular biology. *Acta Gossypii Sin.* 10: 1-5
- B73. Wu Z. B., **Zhang J. F.**, Li L. Z., Wang J. H., and Feng C. D. 1998. Effect of cleistogamous trait on fiber quality in cotton. *Crop Variety Res.* 2 (2): 13-15
- B72. Feng C. D., **Zhang J. F.**, Liu J. L., Wu Z. B. and Sun J. Z. 1998. Advance of the research on cotton male sterility. *Acta Gossypii Sin.* 10: 169-177

## 1997

- B71. Zuo, K. J., Sun J. Z., **Zhang J. F.**, Liu J. L. and Nie Y. C. 1997. Researches on optimum RAPD protocol of cotton. *Acta Gossypii Sin.* 9: 304-307
- B70. Wu Zhengbin, Guo Jiehua, **Jinfa Zhang**, Feng Chunda. 1997. Screening of cotton materials resistant to pink bollworm. *J. Hubei Agric. Sci.* (6): 15-18

#### 1996

- B69. **Zhang Jinfa**, Wu Zhengbin, Liu Jinlan and Sun Jizhong. 1996. A diallel analysis of spider mite resistance in cultivated tetraploid cottons. *J. Huazhong Agric. Univ.* 15: 10-14
- B68. **Zhang Jinfa**, Wu Zhengbin, Nie Yichun and Jiehua Guo. 1996. Breeding and genetic studies on cleistogamous cotton. *In Progress in Modern Agricultural Sciences.* p260-261. Tianjing Sci. and Tech. Press, Tianjing
- B67. Feng C. D., **Zhang Jinfa**, Liu Jinlan and Sun Jizhong. 1996. Inheritance of resistance to Fusarium wilt in several Chinese upland cotton varieties. *Acta Agron. Sin.* 22: 550-554
- B66. Feng C.D., **Jinfa Zhang**, Jinlan Liu and Jizhong Sun. 1996. Analysis on the pedigree system of cotton varieties (lines) with Fusarium wilt resistance. *Acta Gossypii Sin.* 8(2):65-70
- B65. **Zhang Jinfa** and Chunda Feng. 1996. Advances in breeding and genetics of disease resistance in cotton. *In Progress in Modern Agricultural Sciences.* p262-265. Tianjing Sci. and Tech. Press, Tianjing
- B64. Feng Chunda, **Jinfa Zhang**, Jinlan Liu and Jiehua Guo. 1996. Diallel analysis of agronomic traits and Fusarium wilt resistance in upland cotton. *In Progress in Modern Agricultural Sciences.* p257-259. Tianjing Sci. and Tech. Press, Tianjing
- B63. Wu Zhengbin, Li Wenzhong, Guo Jiehua and **Jinfa Zhang**. 1996. Utilization of heterosis of intraspecific hybrids of *Gossypium hirsutum* lines. *J. Huazhong Agric. Univ.* 15(5): 414-419
- B62. **Zhang Jinfa**. 1996. Cotton male sterility and heterosis. *In Advances in Heterosis in Crops.* Agric. Sci. Press of China, Beijing

#### 1995

- B61. Feng Chunda, **Jinfa Zhang**, Liu Jinlan, Sun Jizhong. 1995. Genetic analysis of resistance to Fusarium wilt in several Chinese upland cotton cultivars. *Proceeding of the 2<sup>nd</sup> Chinese Agricultural Research Conference for Young Researchers.* p272-275. The Publishing House of China Agric. Sci., Beijing
- B60. **Zhang J. F.**, Deng Z. C., Wang B., Zuo K. J., Liu J. L. and Sun J. Z. 1995. A preliminary investigation of photosynthetic characteristics in the interspecific hybrid between *Gossypium hirsutum* and *G. barbadense*. *J. Huazhong Agric. Univ.* 14: 115-119
- B59. Deng Z. C., Sun J. Z., **Zhang Jinfa**, Liu J. L. and Wang B. 1995. Study on photosynthetic characteristics of cotton hybrids and their parents. *J. Huazhong Agric. Univ.* 14: 429-434
- B58. **Zhang J. F.**, Lu F.B., Nie Y. C., Guo J. H., Sun J. Z., and Liu J. L. 1995. Analysis of Fusarium wilt resistance in F1 hybrids of upland cotton. *J. Huazhong Agric. Univ.* 14: 15-20

#### 1994

- B57. **Zhang Jinfa**, Sun Jizhong, Liu Jinlan and Zuo Baoyu. 1994. Ultra-structure of chloroplasts in variegated cotton. *Bot. Res.* 7: 176-180
- B56. **Zhang Jinfa**, Lu Fubian, Guo Jiehua, Sun Jizhong and Liu Jinlan. 1994. Diallel analysis of Fusarium wilt resistance in upland cotton. *Acta Gossypii Sin.* 6:189-192
- B55. **Zhang Jinfa**, Gong Zhenping, Sun Jizhong and Liu Jinlan. 1994. Heterosis of agronomic traits in interspecific hybrids between *Gossypium hirsutum* and *G. barbadense*. *Acta Gossypii Sin.* 6: 140-145

- B54. **Zhang Jinfa**, Deng Zhong, Sun Jizhong and Liu Jinlan. 1994. Heterosis and combining ability in interspecific hybrids of *Gossypium hirsutum* x *G. barbadense*. J. Huazhong Agric. Univ. 13: 9-14
- B53. **Zhang Jinfa**, Wang Chaixiang, Sun Jizhong and Liu Jinlan. 1994. Genetic effects of economic traits in interspecific hybrids between *Gossypium hirsutum* and *G. barbadense*. Acta Gossypii Sin. 6: 163-168
- B52. Sun Jizhong and Jinlan Liu and **Jinfa Zhang**. 1994. A review on research and utilization of hybrid vigor of cotton. Acta Gossypii Sin. 6(3):135-139
- B51. Wu Z. B., Sun J. Z., **Zhang J. F.** and Guo J. H. 1994. Resistant evaluation, mechanism and breeding techniques of Huamian 101. Acta Gossypii Sin. 6: 169-173
- B50. **Zhang Jinfa**, Sun Jizhong, Wu Zhengbin and Liu Jinlan. 1994. Inheritance of resistance to pink bollworm in upland cotton. Sci. Agric. Sin. 27(4): 16-22
- B49. Wu Zhengbin, Guo Jiehua, **Jinfa Zhang** and He Fenghua. 1994. Investigation of evaluating techniques and indices for pink bollworm resistance. Acta Gossypii Sin. 7(3): 174-177
- B48. **Zhang Jinfa**, Jizhong Sun and Jinlan Liu. 1994. Qualitative inheritance of spider mite resistance in cotton. Proc. Symposium of Young Scientists in Hubei. p275-278. Wuhan Univ. Press, Wuhan
- B47. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1994. Discovery and implications of cleistogamy in cotton. J. Huazhong Agric. Univ. 13(5): 441-448
- B46. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1994. Agronomic potential of Sea-island leaf type in upland cotton. Proc. Genetic Engineering and Crop Improv. p313-319. International Foundation for Science, Sweden and Huazhong Agricultural University, China

### 1993

- B45. Sun Jizhong, **Zhang Jinfa**, Wu Zhenbian and Liu Jinlan. 1993. Progress in breeding cotton resistance to insect pests in China. Proc. Beijing International Cotton Symp. Chinese Agric. Press of Sci. and Tech.
- B44. **Zhang Jinfa**, Jizhong Sun and Jinlan Liu. 1993. Contribution of cotton breeding to cotton yield in Hubei province and trend in trait changes. J. Hubei Agric. Sci. (7): 1-5
- B43. Yang Daigang, Sun Jizhong, Liu Jinlan and **Jinfa Zhang**. 1993. Physio-chemical mechanisms of cotton resistance to pink bollworm. Proc. First Symposium of Crop Cultivation and Physiology among Young Scientists. p259-263. Agric. Sci. and Tech. Press, Beijing
- B42. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1993. Effect of frego bract gene on economic properties of cotton. Acta Agron. Sin. 19: 315-320
- B41. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1993. Mechanisms of cotton resistance to pink bollworm. Acta Agron. Sin. 19: 385-394
- B40. **Zhang Jinfa**, Sun Jizhong, Liu Jinlan and Wu Zhengbin. 1993. Identification of cotton varieties resistant to carmine spider mite and exploration of resistance mechanism. Acta Phytopylacica Sin. 20 (2): 155-161
- B39. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1993. Effect of frego bract on photosynthetic traits in upland cotton. J. Huazhong Agric. Univ. 12: 328-332
- B38. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1993. Genetic effect analysis for resistance in cotton to spider mite. Acta Gossypii Sin. 5 (1): 79-88
- B37. Yang D. G., Sun J. Z., Liu J. L. and **Zhang J. F.** 1993. Genetic analysis of cotton resistance to pink bollworm and related traits. Acta Gossypii Sin. 5 (2): 62-68
- B36. **Zhang Jinfa**. 1993. Advances in breeding methods in cotton. J. Hubei Agric. College 13:

### 1992

- B35. **Zhang Jinfa** and Jizhong Sun. 1992. Principal component analysis of evaluating indices on pink bollworm resistance in cotton. J. Hubei Agric. College 12(1): 28-33



- B34. **Zhang Jinfa** and Jizhong Sun. 1992. Cluster analysis of evaluation indices for cotton resistance to pink bollworm. *J. Hubei Agric. College* 12(4): 22-24
- B33. **Zhang Jinfa**, Sun Jizhong, Liu Jinlan and Wu Zhengbin. 1992. Genetic analysis of cotton resistance to spider mites. *J. Huazhong Agric. Univ.* 11: 127-133
- B32. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1992. Effects of exotic cytoplasm on economic traits and resistance to insect pests in upland cotton. *J. Huazhong Agric. Univ.* 11: 317-321
- B31. Hu Zhongli, Zhang Qifa and **Jinfa Zhang**. 1992. A new method for evaluating linkage value between QTL and RFLP marker locus. *J. Hubei Agric. College* 12(4): 46-53
- B30. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1992. Discovery and identification of cleistogamous trait in cotton. *J. Hubei Agric. Sci.* (3): 1-4

## 1991

- B29. **Zhang Jinfa**. 1991. Cotton production and its limiting factors in Hubei province. *J. Hubei Agric. Sci.* (11): 1-5
- B28. **Zhang Jinfa**, Jin Weibian and Cao Shengyan. 1991. Partial coefficient of correlation as a statistic in cluster analysis and its application in classification of cotton traits. *J. Hubei Agric. College* 11(1): 75-76
- B27. **Zhang Jinfa**. 1991. Effects of early square removal on pink bollworm damage and cotton yield. *J. Hubei Agric. Sci.* (6): 22-24
- B26. Sun Jizhong, Jinlan Liu, **Jinfa Zhang**, Wu Z., Guo J., Zhong C., Zhong L., and Lei C. 1991. Evaluation and analysis of pink bollworm resistance in cotton. *In Contributions of Entomological Researches.* p63-67. Beijing Agric. Univ. Press, Beijing
- B25. Zhong Changzhen, **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1991. Pedigree analysis of upland cotton resistant to pink bollworm. *In Contributions of Entomological Researches.* p73-78. Beijing Agric. Univ. Press, Beijing
- B24. **Zhang Jinfa**, Jizhong Sun and Jinlan Liu. 1991. Effects of Sea-island and subokra leaf types on agronomic traits in cotton. *China Cottons* (6): 10-11
- B23. **Zhang Jinfa**, Jinzhong Sun and Jinlan Liu. 1991. Effects of frego-bract gene on the earliness of upland cotton, *Gossypium hirsutum* L. *J. Huazhong Agric. Univ.* 10(4): 321-326
- B22. **Zhang Jinfa**, Jinzhong Sun and Jinlan Liu. 1991. Effects of nectariless gene on cotton economic traits. *J. Huazhong Agric. Univ.* 10: 242-246
- B21. **Zhang Jinfa**, Sun Jizhong, Wu Zhengbin, Liu Jinlan, Deng Zhong and Wang Hongqiang. 1991. Genetic analysis of resistance to spider mites in cotton. *In Genetic Studies in China.* p140. China Sci. and Tech. Press, Beijing.
- B20. **Zhang Jinfa** and Shengrong Jin. 1991. Progress in heterosis of interspecific hybrids between Upland cotton and Sea-island cotton. *Cotton Abs.* 7(3): 3-5
- B19. **Zhang Jinfa**, Jizhong Sun and Jinlan Liu. 1991. Effects of exotic cytoplasm on photosynthesis in cotton. *China Cottons* (1): 17-18

## 1990

- B18. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1990. Photosynthesis related characters of nectariless cotton. *J. Huazhong Agric. Univ.* 9: 59-63
- B17. **Zhang Jinfa**. 1990. Advances in the studies of seed production methods in China. *Seeds* (2): 24-26
- B16. **Zhang Jinfa**. 1990. Genetic variation analysis within cotton cultivars. *J. Hubei Agric. Sci.* (7): 10-12
- B15. **Zhang Jinfa**. 1990. Advances in breeding for insect resistance in cotton. *Cotton Abs.* 5(6): 3-5
- B14. **Zhang Jinfa**. 1990. Correlation analysis of stability of agronomic traits in upland cotton. *J. Huazhong Agric. Univ.* 9: 223-225

## 1989

- B13. **Zhang Jinfa**. 1989. Statistical methods for experimental designs without replications. *Seeds* (1): 53-56
- B12. Cao Shengyan and **Zhang Jinfa**. 1989. On the degree of freedom on Welch's test. *J. Huazhong Agric. Univ.* 8: 369-372
- B11. **Zhang Jinfa**. 1989. Evaluation and genetic studies on cotton resistance to seedling diseases. *Jiangxi Cottons* (1): 27-29
- B10. **Zhang Jinfa**, Xuelian Wang and Xiancai Li. 1989. Activities of peroxidase in different types of cotton leaves. *Plant Physiol. Comm.* (3): 31-32
- B9. Sun Jinzhong and **Jinfa Zhang**. 1989. Pink bollworm resistance of cotton: its evaluation and inheritance. *In Proc. Symposium on Cotton Breeding Basic Research*. p19-26. Scientific Periodical Press, Beijing

## 1988

- B8. **Zhang Jinfa**. 1988. Advances in biochemical mechanisms for disease resistance in cotton (a review). *Agronomy Abroad-Cotton* (3): 36-41
- B7. **Zhang Jinfa**. 1988. Chemical resistance to diseases in cotton (a review). *Agronomy Abroad-Cotton* (4):
- B6. **Zhang Jinfa** and Chuanyi Tian. 1988. Field resistance of nineteen upland cotton genotypes for resistance to pink bollworm. *J. Huazhong Agric. Univ.* 7(4): 390-392

## 1987

- B5. **Zhang Jinfa**. 1987. Modified estimators for the environmental variance in studies of broad-sense heritability. *J. Huazhong Agric. Univ.* 6: 238-245
- B4. **Zhang Jinfa**. 1987. Analysis of factors affecting yield stability of cotton, *Gossypium hirsutum*. *J. Huazhong Agric. Univ.* 6: 120-124

## 1986

- B3. **Zhang Jinfa**. 1986. Association analysis of student grades and its implications. *Agric. Edu. Res.* (1): 60-63
- B2. **Zhang jinfa**. 1986. Advances in the study of cotton resistance to spider mites (a review). *Agronomy Abroad-Cotton* (3): 50-55

## 1985

- B1. **Zhang Jinfa**, Jizhong Sun and Jinlan Liu. 1985. Effects of nectarilessness on growth and development of cotton, *Gossypium hirsutum* L. *J. Huazhong Agric. Univ.* 4(4): 15-18

## C. Non-refereed publications in proceedings

### 2017

- C48. **Zhang J.F.**, Soum Sanogo, Richard Percy, Tom Wedegaertner, and Don Jones. 2017. Evaluation of cotton for resistance to southwestern cotton rust (*Puccinia cacabata*). *Proc. Beltwide Cotton Conf.* (in press)
- C47. Elabbli Hanan, A. Abdelraheem, Soum Sanogo, Terry A. Wheeler, Vasu Kuraparthy, and Jinfa Zhang. 2017. Evaluation of cotton cultivars and breeding lines for resistance to bacterial blight. *Proc. Beltwide Cotton Conf.* (in press)
- C46. Chen Jie, Jianyong Wu, Chaozhu Xing, Xihua Li, Jiwen Yu, Mingzhou Song, and **Jinfa Zhang**. 2017. Phylogenetic analysis and SNP identification of NAC gene family in cotton. *Proc. Beltwide Cotton Conf.* (in press)
- C45. Zhang Sujun, Jina Chi, Xiangyun Zhang, Jianhong Zhang, Jianyong Wu, Chaozhu Xing, Xihua Li, Jiwen Yu, Jie Chen,

- Zongfu Han, and **Jinfa Zhang**. 2017. A comparative phylogenetic analysis and SNP identification of cellulose synthase gene family in cotton. Proc. Beltwide Cotton Conf. (in press)
- C44. Han Zongfu, Jianyong Wu, Chaozhu Xing, Xihua Li, Jiwen Yu, Mingzhou Song, and **Jinfa Zhang**. 2017. Genome-wide analysis of pentatricopeptide repeat proteins in *Gossypium* species. Proc. Beltwide Cotton Conf. (in press)

## 2016

- C43. Idowu O.J., **J.F. Zhang**, J.B. Pierce, R.P. Flynn, and T.C. Wedegaertner. 2016. Performance of new glandless cotton lines as a function of soil type and nitrogen rates. Proc. Beltwide Cotton Conf. p58-61
- C42. Idowu O.J., **J.F. Zhang**, J.B. Pierce, R.P. Flynn, and T.C. Wedegaertner. 2015. Impact of deficit irrigation on selected glandless cultivars in New Mexico. Proc. Beltwide Cotton Conf. p160-163

## 2014

- C41. **Zhang J.F.**, T. Wedegaertner, and S. E. Hughs. 2014. Field evaluation of thrips resistance in glandless and glanded cotton. Proc. Beltwide Cotton Conf. p621-631
- C40. **Zhang J. F.**, T. Wedegaertner, and S. E. Hughs. 2014. Development of new glandless cotton germplasm. Proc. Beltwide Cotton Conf. p608-620

## 2013

- C39. Idowu O. J., R. P. Flynn, J. B. Pierce, **J. Zhang**, J. Scheffler and T. C. Wedegaertner. 2013. Evaluation of three cultivars of glandless cotton in New Mexico. Proc. Beltwide Cotton Conf. p87-89
- C38. Idowu O. J., R. P. Flynn, J. B. Pierce, **J. Zhang** and T. C. Wedegaertner. 2013. Planting date and fertilizer rate effects on selected cotton cultivars in New Mexico. Proc. Beltwide Cotton Conf. p90-93
- C37. **Zhang Jinfa**, Hui Fang, Huiping Zhou, D. Jones and S. E. Hughs. 2013. Thrips resistance in cotton: germplasm evaluation, inheritance and QTL mapping. Proc. Beltwide Cotton Conf. p172-178
- C36. Abdelraheem Abdelraheem, Ezzat Mahdy and **Jinfa Zhang**. 2013. Mapping of candidate genes and quantitative trait loci for drought tolerance in a recombinant inbred line population of *Gossypium barbadense*. Proc. Beltwide Cotton Conf. p179-184
- C35. Wang Lipping, Yanying Qu, Sidney E. Hughs and **Jinfa Zhang**. 2013. Mapping of candidate trichome genes and quantitative trait loci for fiber yield and quality. Proc. Beltwide Cotton Conf. p185-187
- C34. Zhou Huiping, Hui Fang, S. Sanogo and **Jinfa Zhang**. 2013. Segregation analysis of Verticillium wilt resistance in fourteen *Gossypium hirsutum* x *Gossypium barbadense* hybrids. Proc. Beltwide Cotton Conf. p189-192
- C33. Fang Hui, Huiping Zhou, S. Sanogo, Robert P. Flynn, Michael Gore, S.E. Hughs and **Jinfa Zhang**. 2013. Development of sequence tagged site (STS) markers for Verticillium wilt resistance in cotton based on RGA-AFLP analysis. Proc. Beltwide Cotton Conf. p193-198
- C32. Qu Yanying and **Jinfa Zhang**. 2013. Proteomic analysis of responses to drought stress in cotton seedlings by two-dimensional gel electrophoresis and spectrometry. Proc. Beltwide Cotton Conf. p199-201

## 2012

- C31. Abdelraheem A., R. Taiwri, and **Jinfa Zhang**. 2012. Genetic analysis and QTL mapping of drought tolerance in cotton under PEG conditions. Proc. Beltwide Cotton Conf. p719-728
- C30. Barrick B., R. Tiwari, A. Ulery, and **J. Zhang**. 2012. Salt tolerance evaluation in commercial cotton cultivars. Proc. Beltwide Cotton Conf. p706-712
- C29. Idowu J., Jane Pierce, Scott Bundy, **Jinfa Zhang**, Robert Flynn, Tracey Carrillo, and Tom Wedegaertner. 2012.

- Evaluation of glandless cotton cultivars in New Mexico. Proc. Beltwide Cotton Conf. p90-94
- C28. Zhou Huiping, Hui Fang, S. Sanogo, R. P. Flynn, M. Gore, and **Jinfa Zhang**. 2012. Resistance assessment of commercial cotton cultivars against *Verticillium dahliae* in cotton. Proc. Beltwide Cotton Conf. p731-735
- C27. **Zhang Jinfa** and S. E. Hughs. 2012. Field screening for drought tolerance in cotton. Proc. Beltwide Cotton Conf. p713-718

## 2011

- C26. Idowu John, **Jinfa Zhang**, Robert Flynn, Jane Pierce, Tracey Carrillo, Scott Bundy, and Tom Wedegaertner. 2011. Yield potential, fiber quality and adaptability of glandless cotton in New Mexico. Proc. Beltwide Cotton Conf. p89-93
- C25. **Zhang Jinfa**. 2011. Twenty-five years of introgression breeding through interspecific hybridization between *Gossypium hirsutum* and *G. barbadense*. Proc. Beltwide Cotton Conf. p711-716

## 2009

- C24. Bajaj S., A. Levario-Lopez, C. Boyd, S. E. Hughs, and **Jinfa Zhang**. 2009. The growth and yield of Acala cotton developed in New Mexico. Proc. Beltwide Cotton Conf. p14-17

## 2008

- C23. **Zhang Jinfa**, W. Wang, S. Bajaj, H. Gatica, S. Sanogo, R. Flynn, C. French, R. Percy, M. Ulloa, and E. Hughs. 2008. Verticillium wilt resistance in cotton: germplasm evaluation and inheritance. Proc. Beltwide Cotton Conf. p838-855
- C22. **Zhang Jinfa**, R. G. Cantrell, C. Waddell, R. Flynn and E. Hughs. 2008. Release of the first Bt Acala cotton cultivar, Acala 1517-99W. Proc. Beltwide Cotton Conf. p906-912
- C21. **Zhang Jinfa**, R. G. Cantrell, R. Flynn and E. Hughs. 2008. Development of transgenic Acala 1517 cotton. Proc. Beltwide Cotton Conf. p857-875
- C20. Bajaj S., W. Wang, E. Hughs, R. Percy, M. Ulloa, and **Jinfa Zhang**. 2008. Evaluation of cotton germplasm and breeding populations for salt tolerance. Proc. Beltwide Cotton Conf. p876-880

## 2007

- C19. **Zhang Jinfa**, Wu Wang, R. Esmail, M. Pang, R. G. Percy, J. McD. Stewart, B. Yue and J. Hu. 2007. Genetic diversity of tetraploid cotton species based on AFLP and GT-AFLP analysis. Proc. Beltwide Cotton Conf. p235-243
- C18. Niu C., M. Pang and **Jinfa Zhang**. 2007. Disease resistance gene analogues in cotton: expression and sequence analysis. Proc. Beltwide Cotton Conf. p244-251
- C17. **Zhang Jinfa**, H. Gatica, S. Bajaj, R. P. Flynn, C. A. French, E. Hughs and R. G. Cantrell. 2007. Comparative field performance of Acala 1517 cultivars released since the 1930s. Proc. Beltwide Cotton Conf. p625-636
- C16. **Zhang Jinfa**, R. G. Cantrell, C. Waddell, E. Hughs, R. P. Flynn and C. A. French. 2007. New Acala germplasm lines with high yield potential and fiber quality. Proc. Beltwide Cotton Conf. p205-216

## 2006

- C15. Gatica-Palermo H., E. Hughs, Roy G. Cantrell and **Jinfa Zhang**. 2006. Fiber quality and agronomic traits of New Mexico Acala cotton released since 1930s: 2005 results. Proc. Beltwide Cotton Conf. p752-755
- C14. McWilliams D.A. and **Jinfa Zhang**. 2006. Improved public Acalas for New Mexico. Proc. Beltwide Cotton Conf. p743-745

## 2005

- C13. Higbie Sarah M., James McD. Stewart, Thea Wilkins, Fei Wang and **Jinfa Zhang**. 2005. Utilization of an intraspecific hybrid population for salt tolerance studies. Proc. Beltwide Cotton Conf. p957-958
- C12. **Zhang Jinfa**, Y. Lu, H. Adragna, E. Hughs and R. G. Cantrell. 2005. Genetic improvement of New Mexico Acala cotton germplasm and their genetic divergence. Proc. Beltwide Cotton Conf. p886-891

## 2004

- C11. Lu Yingzhi, **Jinfa Zhang**, R. G. Percy and R. G. Cantrell. 2004. An integrated SSR-STS-AFLP-SRAP genetic map using recombinant inbred line populations in tetraploid cottons. Proc. Beltwide Cotton Conf. p1156-1161
- C10. **Zhang Jinfa**, D. Hinchliffe, Yingzhi Lu, Carol Potenza, Champa-Segupta Gopalan, R. G. Cantrell and J. N. Jenkins. 2004. Segregation analysis of root-knot nematode resistance in Auburn 634RNR and molecular markers linked to the resistance. Proc. Beltwide Cotton Conf. p1122-1124
- C9. Baral J. B., **Jinfa Zhang**, Chunda Feng and J. M. Stewart. 2004. High resolution mapping of fertility restorer genes for cytoplasmic male sterility in cotton. Proc Beltwide Cotton Conf. p1057-1060
- C8. **Zhang Jinfa**, Mara-Koosham Gopi, Yingzhi Lu and J. McD. Stewart. 2004. Comparative molecular analysis of mitochondrial genome in two cytoplasmic male sterility systems of cotton. Proc. Beltwide Cotton Conf. p1178-1182

## 2001

- C7. Feng Chunda, **Jinfa Zhang**, Xianlong Zhang, Yichun Nie and Jiehua Guo. 2001. Effects of Fusarium wilt resistance gene on agronomic traits of cotton. Proc. Beltwide Cotton Conf. p124-126

## 2000

- C6. Feng C. D., J. Guo, Y. Nie, Z. Wu, X. Zhang, **Jinfa Zhang** and J. McD. Stewart. 2000. Cytoplasmicnuclear male sterility in cotton: comparative RFLP analysis of mitochondrial DNA. Proc. Beltwide Cotton Conf. p551-552
- C5. **Zhang Jinfa**, D. Yang, G. Coyle and J. McD. Stewart. 2000. The hairy anther phenotype is conditioned by two genetic systems in cotton. Proc. Beltwide Cotton Conf. p508-510

## 1998

- C4. **Zhang Jinfa**, Alexandre Nepomuceno and J. M. Stewart. 1998. Gene expression related to the semigamy genotype in cotton (*Gossypium barbadense*). Proc. Beltwide Cotton Conf. p1457-1462

## 1997

- C3. **Zhang Jinfa**, A. L. Nepomuceno and J. M. Stewart. 1997. Effect of alien cytoplasm on photosynthesis and related traits. Proc. Beltwide Cotton Conf. p1381-1383
- C2. Altaf M. K., J. M. Stewart, M. K. Wajahatullah, **Jinfa Zhang** and R. G. Cantrell. 1997. Molecular and morphological genetics of a trispecies F2 population of cotton. Proc. Beltwide Cotton Conf. p448-452
- C1. **Zhang Jinfa** and J. M. Stewart. 1997. Hybridization of new Australian *Gossypium* species (section Grandicalyx) with upland cotton. Proc. Beltwide Cotton Conf. p487-490

## D. Non-refereed AES reports

## 2001

- D13. Feng, C.D., **J. F. Zhang**, and J. McD. Stewart. 2001. STS markers co-segregate with cotton cytoplasmic male sterility restorer gene RF1. *Ark. Agric. Exp. Stn. Res. Series 497*: 267-271
- D12. Stewart, J. McD., **J. F. Zhang**, and G. Coyle. 2001. Introgression and inheritance of a red calyx trait. *Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 204*: 237-239

## 2000

- D11. **Zhang Jinfa**, J. McD. Stewart and R. B. Turley. 2000. Fertility restoration of CMS-D8 in cotton: allelism and molecular mechanism. *Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 198*: 231-234
- D10. **Zhang Jinfa**, G. Coyle and J. McD. Stewart. 2000. A hairy anther mutant isolated in interspecific hybrids between upland cotton and Pima cotton. *Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 198*: 226-230

## 1999

- D9. **Zhang Jinfa**, Gwen Coyle and J. McD. Stewart. 1999. Effects of exotic cytoplasm on photosynthesis, chlorophyll content and agronomic traits in cotton. *Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 193*: 281-283
- D8. **Zhang Jinfa** and J. McD. Stewart. 1999. Cytoplasmic male sterility based on *Gossypium sturtianum* cytoplasm (CMS-C1): Characterization and genetics of restoration. *Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 193*: 269-272
- D7. **Zhang Jinfa**, J. McD. Stewart and R. B. Turley. 1999. Genetic and molecular characterization of semigamy expression in cotton (*Gossypium barbadense*). *Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 193*: 275-277

## 1998

- D6. **Zhang Jinfa**, J. M. Stewart and R. T. Robbins. 1998. Inheritance of resistance to reniform nematode in cotton. *Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 188*: 83-86
- D5. **Zhang Jinfa**, M. K. Wajahatullah and J. M. Stewart. 1998. Molecular mapping of CMS-D8 restoration and gene cloning specific to D8 restoration in cotton. *Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 188*: 87-89
- D4. **Zhang Jinfa** and J. M. Stewart. 1998. Genetics of CMS-D8 restoration in cotton. *Proc. Cotton Res. Meeting, Ark. Agric. Exp. Stn. Special Rep. 188*: 90-94

## 1997

- D3. **Zhang Jinfa**, J. McD. Stewart and Gwen Coyle. 1997. Effect of alien cytoplasm on boll traits and fiber quality in *Gossypium barbadense* L. *Proc. Cotton Research Meeting and Summaries of Cotton Research in Progress. University of Arkansas Agric. Exp. Stn. Special Rep. 183*: 144-146
- D2. Altaf M. K., R. G. Cantrell, **Zhang Jinfa** and J. McD. Stewart. 1997. Segregation patterns of molecular, morphological and quantitative traits in a trispecies F2 cotton population. *Proc. Cotton Research Meeting and Summaries of Cotton Research in Progress. University of Arkansas Agric. Exp. Stn. Special Rep. 183*: 147-149
- D1. Wajahatullah M. K., J. M. Stewart and **Zhang Jinfa**. 1997. Use of RAPD markers to analyze genomic affinity among Australian *Gossypium* species. *Proc. Cotton Research Meeting and Summaries of Cotton Research in Progress. University of Arkansas Agric. Exp. Stn. Special Rep. 183*: 150-152

## E. Non-refereed abstracts in proceedings

## 2017

- E75. Idowu John, **Jinfa Zhang**, Murali Darapuneni, and Mohammed Omer. 2017. Reduced tillage for cotton in irrigated desert Southwest. Proc. Beltwide Cotton Conf. (in press)
- E74. Martinez G.K. Jr., Z. Larson, A. Abdelraheem, **Jinfa Zhang**, J. McCarty Jr., and J.N. Jenkins. 2017. Evaluation of a magic population derived from rmbup-c4 for Verticillium wilt resistance. Proc. Beltwide Cotton Conf. (in press)
- E73. Abdelraheem A., Soum Sanogo, **Jinfa Zhang**, V. Kuraparthi, Amanda Hulse-Kemp, David Stelly, Lori Hinze, and Don Jones. 2017. Evaluation and genetic analysis of Verticillium wilt resistance in the US Upland cotton. Proc. Beltwide Cotton Conf. (in press)
- E72. Hooks Triston, A. Abdelraheem, Jie Chen, Sujun Zhang, Zongfu Han, Gasper Martinez, Geno Picchioni, **Jinfa Zhang**, Jack C. McCarty, and Johnie N. Jenkins. 2017. Identification of a multi-parent RMBUP population for salt tolerance in cotton. Proc. Beltwide Cotton Conf. (in press)
- E71. Zhu Yi, Philip Lujan, Srijana Dura, Soum Sanogo, and **Jinfa Zhang**. 2017. Screening cotton for resistance to *Alternaria* leaf spot caused by *Alternaria alternata* in New Mexico. Proc. Beltwide Cotton Conf. (in press)

## 2016

- E70. Abdelraheem A, **J.F. Zhang**, R.G. Percy, M. Gore, J. Dever, and D. Fang. 2016. Genetic analysis of yield, fiber quality and abiotic stress tolerance in Pima cotton. Proc. Beltwide Cotton Conf. p359
- E69. Said Joseph, Joseph Knapka, Hantao Wang, Zhongxu Lin, Xianlong Zhang, David Fang, M. Z. Song, and **Jinfa Zhang**. 2015. Comprehensive meta-analysis of QTLs and development of a QTL database in cotton. Proc. Beltwide Cotton Conf. p432
- E68. Larson Zachary, Brian Barrick, Abdelraheem Abdelraheem, Soum Sanogo, Jane Pierce, Robert Flynn, John Idowu, Tom Wedegaertner, and **Jinfa Zhang**. 2015. Evaluation of new glandless cotton lines for thrips and Verticillium wilt resistance. Proc. Beltwide Cotton Conf. p357
- E67. Abdelraheem Abdelraheem, Priyanka Tyagi, V. Kuraparthi, S. Ed Hughs, and **Jinfa Zhang**. 2015. Identification of drought tolerant cotton germplasm and associated markers in the U.S. Upland germplasm pool. Proc. Beltwide Cotton Conf. p355
- E66. Gerald O Myers, Muhannad W. Akash, Fred M Bourland, Todd Campbell, Richard Percy, Ted P Wallace, and **Jinfa Zhang**. 2015. Sib line blending effects on yield, yield components and fiber quality. Proc. Beltwide Cotton Conf.

## 2014

- E65. Sun Y. P., G. H. Niu, and **J. F. Zhang**. 2014. Growth and physiological responses of cotton genotypes to controlled drought using an automated irrigation system. Annual Conference, The American Society for Horticultural Science
- E64. Idowu John, **Jinfa Zhang**, Robert Flynn, Jane Pierce, Tom Wedegaertner, Jodi Scheffler, and Tracey Carrillo. 2014. Prospects of glandless cotton production in New Mexico. Proc. Beltwide Cotton Conf.

## 2013

- E63. **Zhang Jinfa**. 2013. Breeding for transgressive segregation in cotton: do we need molecular markers? Plant and Animal Genome XXI Conf., Jan. 12-16, 2013 (abstract online)
- E62. Qu Yanying, C. J. Chen. L. Ma and **Jinfa Zhang**. 2013. Proteomic analysis of responses to drought stress in cotton seedlings by two-dimensional gel electrophoresis and spectrometry. Plant and Animal Genome Conferences XXI, Jan. 12-16, 2013 (abstract online)
- E61. Barrick Brain, Zena Archie, April Ulery and **Jinfa Zhang**. 2013. Salt responses of four cotton genotypes grown in two soils. Proc. Beltwide Cotton Conf. p835

## 2012

- E60. Suzuki H., Jiwen Yu, J. M. Stewart, and **Jinfa Zhang**. 2012. Analysis of mitochondrial genes and the association with cytoplasmic male sterility- RNA editing. Proc. Beltwide Cotton Conf. p778
- E59. Fang Hui, Huiping Zhou, S. Sanogo, M. Gore, R. Flynn, R. G. Percy, D. D. Fang, and **Jinfa Zhang**. 2012. Mapping quantitative trait loci for resistance to *Verticillium* wilt (*Verticillium dahliae*) using a recombinant inbred line population. Proc. Beltwide Cotton Conf. p785
- E58. Tiwari R., M. D. Gill, D. C. Jones, J. M. Stewart, S. E. Hughs, and **Jinfa Zhang**. 2012. Identification of cotton germplasm and molecular markers for salt tolerance. Beltwide Cotton Conf. p791

## 2011

- E57. Myers Gerald O., Fred Bourland, Peng W. Chee, Jane K. Dever, Steve Hague, C. Wayne Smith, **Jinfa Zhang**, Eric F. Hequet, and Don. C. Jones. 2011. Advances in high quality conventional cottons. Proc. Beltwide Cotton Conf., January 4-7, 2011, Atlanta, GA
- E56. Suzuki H., J. McD. Stewart, and **Jinfa Zhang**. 2011. Analysis of mitochondrial genes and the association with cytoplasmic male sterility. Proc. Beltwide Cotton Conf. p706
- E55. Tiwari Rashmi, Michael D. Gill, S. Bajaj, Don. C. Jones, J. McD. Stewart, Sidney E. Hughs, and **Jinfa Zhang**. 2011. Identification of cotton germplasm and molecular markers for salt tolerance. Proc. Beltwide Cotton Conf. p707
- E54. Adams Nick, Robert Flynn, S. Bajaj, Richard G. Percy, Don. C. Jones, Sidney E. Hughs, and **Jinfa Zhang**. 2011. Identification of cotton germplasm and molecular markers for drought tolerance. Proc. Beltwide Cotton Conf. p708
- E53. Yu Jiwen, Longyun Li, Man Wu, Meizhen Song, Shuli Fan, **Jinfa Zhang**, and Shuxun Yu. 2011. Identification of microaire-related genes based on comparative oligonucleotide microarray analysis between introgression lines. Proc. Beltwide Cotton Conf. p698

## 2010

- E52. Adams N., Sanjay Bajaj, Robert P. Flynn, Richard G. Percy, S. Ed Hughs and **Jinfa Zhang**. 2010. Identification of drought tolerant germplasm and QTLs in a backcross inbred population of cotton. Proc. Beltwide Cotton Conf., January 4-7, 2010, New Orleans, LA. p775
- E51. Suzuki H., Laura Rodriguez-Uribe, J. McD. Stewart and **Jinfa Zhang**. 2010. Microarray analysis of cytoplasmic male sterility and restoration in cotton. Proc. Beltwide Cotton Conf., January 4-7, 2010, New Orleans, LA. p776
- E50. Ulloa, M., Hutmacher, R.B., Wright, S.D., Campbell, B.T., Wallace, T., Myers, G., Bourland, F., Weaver, D., Chee, P., Lubbers, E., Thaxton, P., **Zhang, J.**, Smith, W., Jones, D. 2010. Beltwide breeders' elite-Upland germplasm-pool assessment of Fusarium wilt (FOV) races 1 & 4 in California. Proc. Beltwide Cotton Conf., January 4-7, 2010, New Orleans, LA. p765-766
- E49. Yu, J., Fang, D.D., Ulloa, M., Percy, R.G., Kohel, R.J., Hinze, L.L., Frelichowski, J.E., Cho, J., Campbell, B.T., Chee, P., **Zhang, J.**, Abdurakhmonov, I., Abdurakimov, A., Jones, D.C. 2010. Development of core SSR markers for *Gossypium* germplasm characterization. In: Proceedings of Beltwide Cotton Conferences, January 4-7, 2010, New Orleans, LA. p811

## 2009

- E48. Rodriguez-Uribe, L., S. E. Hughs and **Jinfa Zhang**. 2009. Identification and isolation of differentially expressed genes of cotton in response to water deficit stress. Proc. Beltwide Cotton Conf. p657
- E47. Curtiss Jessica, Laura Rodriguez-Uribe, **Jinfa Zhang**, and J. McD. Stewart. 2009. Comparative gene expression



## 2008

- E46. Wang F., Mary O'Connell1 , James McD. Stewart, and **Jinfa Zhang**. 2008. Molecular analysis of cytoplasmic male sterility in cotton. Plant & Animal Genome XVI Conf.. San Diego, CA, Jan. 12-16, 2008
- E45. Wang F., M. O'Connell, J. McD. Stewart, and **Jinfa Zhang**. 2008. Molecular analysis of cytoplasmic male sterility in cotton. Proc. Beltwide Cotton Conf. p856
- E44. Percy R., M. Ulloa, and **Jinfa Zhang**. 2008. Agronomic evaluation of eight elite pima lines possessing superior fiber quality. Proc. Beltwide Cotton Conf. p809

## 2007

- E43. Pang M. and **Jinfa Zhang**. 2007. Cloning and characterization of microRNA in cotton. Proc. Beltwide Cotton Conf. p1283
- E42. Wang F., J. McD. Stewart, Mary O'Connell and **Jinfa Zhang**. 2007. Mapping of restorer gene, Rf2 and RFLP analysis of MtDNA in CMS-D8 cotton. Proc. Beltwide Cotton Conf. p2106
- E41. Pang M., R. G. Percy, M. Ulloa, R. G. Cantrell and **Jinfa Zhang**. 2007. Identification and analysis of candidate genes for fiber traits. Proc. Beltwide Cotton Conf. p1622
- G40. Percy R. G. and **Jinfa Zhang**. 2007. Combining ability and genetic distance among American Pima cultivars and cultivars of Egyptian, Uzbekistan, and Israeli origin. Proc. Beltwide Cotton Conf. p637
- E39. **Zhang Jinfa**, M. X. Pang, C. Niu, W. Wang, R. G. Percy, R. G. Cantrell and J. McD. Stewart. 2007. AFLP-based SNP discovery in cotton. International Plant and Animal Genome XV Conf., San Diego, CA, Jan. 13-17, 2007

## 2006

- E38. **Zhang Jinfa**, Mingxiong Pang, Chen Niu, Wu Wang, Fei Wang, Danielle Miranda, Jessica Curtiss, Youlu Yuan and Shuxun Yu. 2006. Development of high throughput functional DNA markers based on gene families. ASA Annual Meeting, Nov. 12-16, Indianapolis, IN
- E37. **Zhang Jinfa**, Yingzhi Lu, Pang Mingxiong, Sarah Higbie, Doug Hinchliffe, Chen Niu, Richard G. Percy and Roy G. Cantrell. 2006. Development of high throughput DNA marker systems in cotton based on gene and regulatory sequences. International Plant & Animal Genome XIV Conf., Jan. 14-18, 2006. San Diego, CA
- E36. **Zhang Jinfa**, C. Niu, D. Hinchliffe, C. Potenza, C. Sengupta-Gopalan, Philip A. Roberts, C. Wang and Roy G. Cantrell. 2006. Molecular genetic dissection of root-knot nematode resistance in cotton. Proc. Beltwide Cotton Conf. p168
- E35. Lu Yingzhi, Mingxiong Pang, Sarah Higbie, Doug Hinchliffe, Chen Niu, Youlu Yuan, Shuxun Yu and **Jinfa Zhang**. 2006. Development of high throughput DNA marker systems in cotton based on gene and regulatory sequences. Proc. Beltwide Cotton Conf. p828
- E34. Pang Mingxiong, **Jinfa Zhang**, Shuxun Yu and Richard Percy. 2006. Promoter anchored amplified polymorphism (PAAP) in cotton. Proc. Beltwide Cotton Conf. p922
- E33. Chen Niu and **Jinfa Zhang**. 2006. Plant disease resistance gene analogues in cotton: mapping and expression. Proc. Beltwide Cotton Conf. p924
- E32. Song Guoli, Fang Liu, Shaohui Li, Chunying Wang, Xiangdi Zhang, Kunbo Wang, Zhanyou Xu, John Z. Yu, R. J. Kohel and **Jinfa Zhang**. 2006. Studies on relationship among *Gossypium* diploid species. Proc. Beltwide Cotton Conf. p736
- E31. Wang Fei, J. McD. Stewart and **Jinfa Zhang**. 2006. Molecular analysis of cytoplasmic male sterility and restoration of cotton. Proc. Beltwide Cotton Conf. p923

## 2005

- E30. **Zhang Jinfa**, Y. Lu, R. G. Percy, M. Ulloa, G. Becelaere, P. Chee and R. G. Cantrell. 2005. A molecular linkage map and quantitative trait locus analysis based on a recombinant inbred line population of cotton. Proc. Beltwide Cotton Conf. p899
- E29. Hinchliffe D., Thea A. Wilkins, R. G. Cantrell and **Jinfa Zhang**. 2005. Comparative microarray analysis of genes differentially expressed during fiber development of Upland and Pima cotton. Proc. Beltwide Cotton Conf. p883
- E28. Higbie S. M., T. M. Sterling, J. M. Stewart and **Jinfa Zhang**. 2005. Physiological response and genetic diversity of tetraploid cotton to salt stress. Proc. Beltwide Cotton Conf. p944-945
- E27. Lu Y., J. Curtiss, R. Percy, R. G. Cantrell and **Jinfa Zhang**. 2005. Discovery of single nucleotide polymorphisms in selected fiber genes in cultivated tetraploid cotton. Proc. Beltwide Cotton Conf. p946
- E26. Niu C., Doug J. Hinchliffe, Yingzhi Lu, Roy G. Cantrell and **Jinfa Zhang**. 2005. Identification of molecular markers linked to root-knot nematode resistance in cotton (*Gossypium hirsutum* L.). International Plant and Animal Genome XIII Conf., San Diego, CA, Jan. 15-19, 2005

## 2004

- E25. **Zhang Jinfa**, D. Hinchliffe, C. Niu, Yingzhi Lu, Carol Potenza, Champa-Segupta Gopalan, and R. G. Cantrell. 2004. Genetics and molecular mapping of root-knot nematode resistance in cotton. ASA Annual Meeting, Seattle, WA, Oct. 31- Nov. 4, 2004
- E24. Percy R. G., **Jinfa Zhang** and R. G. Cantrell. 2004. Characterization of a population of integressed recombinant inbred lines for agronomic and fiber quality traits. Proc. Beltwide Cotton Conf. p1132
- E23. Hinchliffe D., Carol Potenza, Champa-Segupta Gopalan, R. G. Cantrell and **Jinfa Zhang**. 2004. Characterization of resistance gene analogues (RGAs) isolated from Upland cotton: origin, function, and evolutionary relationship. Proc. Beltwide Cotton Conf., p1055
- E22. Lu Yingzhi, R. G. Percy, R. G. Cantrell and **Jinfa Zhang**. 2004. A comprehensive linkage map using recombinant inbred line populations in cultivated tetraploid cottons. International Plant and Animal Genome XII Conf., San Diego, CA, Jan. 10-14, 2004

## 2003

- E21. Hinchliffe D., Yingzhi Lu, R. G. Cantrell, Carol Potenza, Champa-Segupta Gopalan and **Jinfa Zhang**. 2003. Molecular approaches to identify root-knot nematode (*Meloidogyne incognita*) resistance genes in upland cotton (*Gossypium hirsutum*). 18th Annual meeting, Southwest Consortium on Plant Genetics and Water Resources. University of California, Riverside, Dec. 12-14, 2003
- E20. Wargachuk R., N. Formanova, H. Jin, C. Dendy, P. Patil, M. Laforest, **J. F. Zhang**, W. Y. Cheung, B. S. Landry and G. G. Brown. 2003. Fine mapping and functional analysis of the radish Rfo nuclear restorer locus. 7th International Congress of Plant Molecular Biology. Barcelona, Spain, June 23-28, 2003
- E19. **Zhang Jinfa**, Y. Lu, R. Percy and R. G. Cantrell. 2003. Development of recombinant inbred line population and construction of a molecular map in cotton. Annual Meeting of Western Society of Crop Science. Ft. Collins, CO, June 22-24, 2003
- E18. **Zhang Jinfa**, S. Sanogo, Y. Lu and R. G. Cantrell. 2003. Inheritance and molecular mapping of Verticillium wilt resistance in cotton. Annual Meeting of Western Society of Crop Science. Ft. Collins, CO, June 22-24, 2003
- E17. Krishna G. K., N. Puppala, **J. Zhang**, Y. Lu, G. He, R. N., Pittman, M. Burow and S. G. Delikostadinov. 2003. Detection of genetic diversity in Valencia peanuts using SSR markers. 35th Annual Meeting of American Peanut Research and Education Society. Clearwater, FL, July 8-11, 2003

- E16. **Zhang Jinfa**, Y. Lu, R. G. Percy and R. G. Cantrell. 2003. Comparative molecular mapping using two RIL populations in tetraploid cottons. ASA Annual Meetings, Denver, CO, Nov. 2-6, 2003
- E15. **Zhang Jinfa**, D. J. Hinchliffe, Y. Lu, C. Sengupta-Gopalan, C. Potenza and R. G. Cantrell. 2003. Inheritance and molecular mapping of root-knot nematode resistance in cotton. Poster to be presented in ASA Annual Meetings, Denver, CO, Nov. 2-6, 2003
- E14. Bottoms R. M., **J. Zhang**, R. G. Percy and R. G. Cantrell. 2003. Physiological response of cotton inbred lines to reduced irrigation regime. ASA Annual Meetings, Denver, CO, Nov. 2-6, 2003

## 2002

- E13. Feng C. D., **Zhang Jinfa** and J. McD. Stewart. 2002. Development of STS markers associated with cotton CMS fertility restorer gene Rf1. Proc. Beltwide Cotton Conf., Atlanta, GA, Jan. 5-9, 2002 (CD-ROM)

## 2000

- E12. **Zhang Jinfa**, J. McD. Stewart and R. B. Turley. 2000. Isolation of gene transcripts with apparent specificity to CMS-D8 restoration in cotton by mRNA differential display. Proc. Beltwide Cotton Conf. p499

## 1999

- E11. **Zhang Jinfa**, J. McD. Stewart and R. B. Turley. 1999. Molecular mapping of CMS-D8 restoration and gene cloning specific to D8 restorer. Proc. Beltwide Cotton Conf. p448
- E10. **Zhang Jinfa**, J. McD. Stewart and R. B. Turley. 1999. Analysis of semigamy expression in cotton (*Gossypium barbadense* L.). Proc. Beltwide Cotton Conf. p446-447
- E9. **Zhang Jinfa** and J. McD. Stewart. 1999. Cytoplasmic effects on photosynthesis and chlorophyll. Proc. Beltwide Cotton Conf. p585-586
- E8. Khan M. A., J. McD. Stewart, R. G. Cantrell, G. O. Myers and **J. Zhang**. 1999. Addition of new markers to the trispecies cotton map. Proc. Beltwide Cotton Conf. p439

## 1998

- E7. Stewart J. M., **Jinfa Zhang** and C. Black-Brown. 1998. CMS-D8 cotton: level of expression, and genetics of restoration. Proc. World Cotton Research Conf.-2. Athens, Greece, Sept. 9, 1998
- E6. Altaf M. K., **Zhang Jinfa**, J. M. Stewart and R. G. Cantrell. 1998. Integrated molecular map based on a trispecific F2 population of cotton. Proc. Beltwide Cotton Conf. p491-492
- E5. Coyle G., **Zhang Jinfa**, A. Nepomuceno and J. M. Stewart. 1998. Characterization of a 'waxy' phenotype of cotton (*Gossypium hirsutum*) derived from a trispecies hybrid (A1 x D2-2 x AD1). Proc. Beltwide Cotton Conf. p594

## 1997

- E4. **Zhang Jinfa**, M. K. Wajahatullah, and J. M. Stewart. 1997. Identification of RAPD markers linked to the D8 CMS restorer gene in cotton. Agronomy Abs. p152

## 1996

- E3. Stewart J. M., C. E. Black-Brown and **J. F. Zhang**. 1996. Sporophytic and gametophytic male dysfunction conditioned by the D-8 cytoplasm of cotton. Agronomy Abs. p86

- E2. **Zhang Jinf**a, Altaf Khan and J. M. Stewart. 1996. Genetic variation in a trispecific F2 population of *Gossypium*.  
Agronomy Abs. p85-86
- E1. Stewart J. M. and **Zhang Jinf**a. 1996. Cytoplasmic influence on the inheritance of the D8 restorer gene. Proc. Beltwide  
Cotton Conf. p622-623