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PROFESSIONAL POSITIONS

Oct. 2024 - present	Director and Professor, School of Agriculture Tennessee Tech University
July 2014 - Oct. 2024	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 Radish 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 in Cotton 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

EDUCATION

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 Pima cotton (<i>Gossypium barbadense</i>) to Upland cotton (<i>G. hirsutum</i>)
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

LICENSURES AND CERTIFICATIONS

Cotton cultivars approved by New Mexico Agricultural Experiment Station and released (with registrations in Crop Science Society of America for 9 cultivars)

1. **Acala 1517-21:** long staple, conventional (Zhang, 2020)
2. **Acala 1517-20:** long staple, conventional, Fusarium wilt race 4 resistant (Zhang, 2020)
3. **NuMex COT 19:** (medium staple, from introgression breeding of Upland × Pima cotton (Zhang, 2019, 2022)
4. **Acala 1517-18 GLS:** long staple, conventional glandless seeds used for food and feed (Zhang et al., 2019)
5. **NuMex COT 17 GLS:** medium staple, conventional glandless seeds used for food and feed (Zhang et al., 2020)
6. **Acala 1517-16 B2RF:** long staple, insect resistant and herbicide tolerant (Zhang et al., 2016)
7. **NuMex COT 15 GLS:** medium staple, conventional glandless seeds used for food and feed (Zhang et al., 2016)
8. **Acala 1517-09R:** long staple, herbicide tolerant (Zhang et al., 2011)
9. **Acala 1517-08:** long staple, conventional (Zhang et al., 2011)
10. **Acala 1517-99W:** long staple, bollworm and pink bollworm resistant (Zhang et al., 2008)
11. **Huamian 101:** medium staple, conventional, pink bollworm resistant (Wu et al., 1994)

Cotton germplasm lines released or co-released with registrations in Crop Science Society of America (Percy et al., 2009; Ulloa et al., 2009, 2022; Zhang et al., 2019a, b, 2022)

1. NM 010094
2. NM 010113
3. NM 010122
4. NM 010462
5. NM 010460
6. NM 010454
7. NM 010341
8. NM 010311
9. NM 010504
10. NM 990649 (Reg. No. GP-1048, PI 688428)
11. NM 990764 (Reg. No. GP-1049, PI 688427)
12. NM 990815 (Reg. No. GP-1050, PI 688429)
13. NM 990827 (Reg. No. GP-1051, PI 688430)
14. NM 970123 (Reg. No. GP-1045, PI 688432)
15. NM 990813 (Reg. No. GP-1046, PI 678373)
16. NM W1218 (Reg. No. GP-1047, PI 678372)
17. SJ-07P-FR01 (Reg. No. GP-910, PI 654065)
18. SJ-07P-FR02 (Reg. No. GP-911, PI 654066)
19. SJ-07P-FR03 (Reg. No. GP-912, PI 654067)
20. SJ-07P-FR04 (Reg. No. GP-913, PI 654068)
21. PSI 113 (Reg. No. GP-916, PI 655939)
22. PSI 425 (Reg. No. GP-917, PI 655940)
23. FRU01 (PI 699966)
24. FRU02 (PI 699967)
25. FRU03 (PI 699968)

26. FRU04 (PI 699969)
27. FRU05 (PI 699970)
28. FRU06 (PI 699971)
29. FRU07 (PI 699972)
30. FRU08 (PI 699973)
31. FRU09 (PI 699974)
32. FRU10 (PI 699975)
33. FRU11 (PI 699976)
34. FRU12 (PI 699977)
35. FRU13 (PI 699978)
36. FRU14 (PI 699979)
37. FRU15 (PI 699980)
38. FRU16 (PI 699981)
39. FRU17 (PI 699982)

PROFESSIONAL MEMBERSHIPS

Member, Crop Science Society of America

Member, Agronomy Society of America

AWARDS AND HONORS

Cotton Genetics Research Award, National Cotton Council of America, 2020

Outstanding paper award, Crop Science, 2022

Top 2% most-cited scientist worldwide, Stanford University/Elsevier, 2020, 2021, 2022, & 2023

Top 3 most published author worldwide in the plant science category of cotton research,
Journal of Natural Fibers, 2021

Top 4 most published author worldwide in the agronomy category of cotton research,
Journal of Cotton Science, 2021

Top cited article, Journal of Plant Registrations, 2022-2023

Top cited article, Journal of Plant Registrations, 2020-2021

Top cited article, Industrial Crops and Products, 2020-2021

Top cited article (1), Crop Science, 2022-2023

Top cited article (2), Crop Science, 2022-2023

Top cited article (3), Crop Science, 2022-2023

Top cited article, Crop Science, 2021-2022

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

Award, 2015 CSSA Editor's Citation for Excellence, Crop Science Society of America, 2016

Outstanding Graduate Student Award in Cotton Research in Arkansas, 1999

3rd-Place Award, Graduate student competition, Poster, Beltwide Cotton Conferences, 1998

2nd-Place Award, Scientific Achievement, Ministry of Agriculture of China, 1994

3rd-Place Award, Scientific Achievement, Ministry of Science & Technology of China, 1994

Outstanding Teaching Award, Central China Agricultural University, 1992

Outstanding Teaching Award, Central China Agricultural University, 1991

Awards received by graduate students under my advisement

3rd-Place Award, Graduate Student Competition, Beltwide Cotton Conferences, 2021

1st-Place Award, Graduate Student Competition, Beltwide Cotton Conferences, 2013
 3rd-Place Award, Graduate Student Competition, Beltwide Cotton Conferences, 2011
 2nd-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
 Outstanding Graduate Student Award, NMSU Molecular Biology Graduate Program, 2012
 Best Paper Award, Graduate Students, Department of Plant and Environmental Sciences, 2022
 Best Paper Award, Graduate Students, Department of Plant and Environmental Sciences, 2015
 Best Paper Award, Graduate Students, Department of Plant and Environmental Sciences, 2014

CURRENT CONTRACTS, FELLOWSHIPS, GRANTS AND SPONSORED RESEARCH

1. Developing effective adaptation strategies to enhance the resilience of farmers under changing climate. NSF, Co-PI, \$301,203 (total: \$5,995,506), 10/01/2023 - 09/30/2027
2. Enhancing Upland cotton oil content and qualities through introgression genetics and breeding approaches using multi-parent populations. USDA-NIFA, PI, \$300,000, 04/01/2022 - 03/31/2025
3. Introgression breeding to develop super green cotton cultivars for green agriculture. USDA-NIFA, PI, \$500,000, 10/01/2024 - 09/30/2028
4. Evaluating cotton germplasm for environmental influence under extreme climate conditions. USDA-ARS, PI, \$80,000, 10/01/2022 - 09/30/2027
5. Testing and development of competitive high quality upland cotton through enhanced ginning/textile processing performance. USDA-ARS, PI, \$107,339.00, 07/15/2019 - 06/30/2024
6. Introgression breeding to develop cotton cultivars with desirable seed and fiber quality for sustainable agriculture. USDA-ARS, PI, \$80,800, 07/01/2024 - 06/30/2026
7. Screening cotton for wilt resistance. BASF, PI, \$30,000, 04/01/2022 - 12/31/2025

PUBLICATIONS

A. Books and book chapters

- A11. **Zhang Jinfa**, Chittaranjan Kole, and Yuxian Zhu (eds). 2025. The Cotton Genome. Springer (in press)
- A10. **Zhang Jinfa, Yuxian Zhu, and Chittaranjan Kole**. 2025. Preface. In: **Zhang Jinfa**, Chittaranjan Kole, and Yuxian Zhu (eds). 2025. The Cotton Genome. Springer (in press)
- A9. **Zhang Jinfa and Yuxian Zhu**. 2025. Chapter 1. World cotton production, genetic diversity, genetic grain, and genomics. In: **Zhang Jinfa**, Chittaranjan Kole, and Yuxian Zhu (eds). 2025. The Cotton Genome. Springer (in press)
- A8. **Zhang Jinfa**. 2025. Chapter 3. Development of genetic mapping populations and detection of molecular markers in cotton. In: **Zhang Jinfa**, Chittaranjan Kole, and Yuxian Zhu (eds). 2025. The Cotton Genome. Springer (in press)
- A7. **Zhang Jinfa**. 2025. Chapter 4. Linkage mapping of qualitative traits and identification of candidate genes in cotton. In: **Zhang Jinfa**, Chittaranjan Kole, and Yuxian Zhu (eds). 2025. The Cotton Genome. Springer (in press)
- A6. **Said J. and Jinfa Zhang**. 2025. Chapter 5. Quantitative trait locus (QTL) mapping and identification of candidate genes in cotton. In: **Zhang Jinfa**, Chittaranjan Kole, and Yuxian Zhu (eds). 2025. The Cotton Genome. Springer (in press)
- A5. Esmaeili Nardana, Amjad Hussin, Shuangxia Jin, **Jinfa Zhang**, and Hong. 2025. Chapter 8. Genetic engineering in cotton: techniques and practices. In: **Zhang Jinfa**, Chittaranjan Kole, and Yuxian Zhu (eds). 2025. The Cotton Genome. Springer (in press)

- A4. **Zhang Jinfa** and Manikanda Boopathi. 2022. Chapter 5. Disease resistance in cotton. p191-225. In: Kole C. (ed.) Genomic Designing of Stress Resistant Technical Crops. Springer, 616 pp.
- A3. **Zhang Jinfa**. 2015. Transgenic cotton breeding. In: Fang D. D. and R. G. Percy (eds.) Cotton. ASA-CSSA-SSSA Monograph Series. Madison, WI (An invited book chapter). p229-253
- A2. Meng J. L. and **Jinfa Zhang**. 1995. Chapter 3. Genetic control of gametophyte formation and gene expression in plants. In: Meng J. L. (ed.) Plant Reproductive Genetics. Scientific Press, Beijing, China
- A1. Liu D., J. X. Han, and **Jinfa Zhang**. 1988. Biometrical Genetics. Scientific Press, Beijing, China

B. Refereed publications (JIF: Journal impact factor; Graduate students under my supervision are underlined; * Postdocs or research specialists under my supervision; and ** Corresponding author)

2025

- B225. ****Zhang Jinfa**, Y. Zhu*, T. Wheeler, and F. Bourland. 2025. Development of a quick and reliable spraying method to evaluate the US upland cotton germplasm for resistance to bacterial blight race 18 and diagnostic DNA marker analysis. Phytopathology (Accepted upon a major revision)
- B224. *Zhu Y., H. Elkins-Arce, T. Wheeler, J. Dever, D. Whitelock, K. Hake, and **Jinfa Zhang****. 2025. Pre- and post-emergence damping-off in cotton caused by Fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*) race 4: Genotypic difference and implications. Phytopathology (Accepted upon a major revision)
- B223. ****Zhang Jinfa**. 2025. Registration of a high-yielding introgression Upland cotton cultivar, 'NuMex COT 19'. J. Plant Reg. (Accepted)
- B222. ****Zhang Jinfa**, Roy G. Cantrell, and R. Flynn. 2025. Registration of nine Acala cotton germplasm lines with improved fiber quality in Upland cotton (*Gossypium hirsutum* L.). J. Plant Reg. (Accepted)
- B221. Zeng L., E. Sacks, D. Fang, and **Jinfa Zhang**. 2025. Registration of three cotton germplasm lines with extremely high fiber strength derived from crosses between Upland cotton and diploid *Gossypium* species. J. Plant Reg. (in press)
- B220. Mohammed J., G. Thyssen, L. Hinze, **Jinfa Zhang**, L. Zeng, D. Feng. 2025. A GWAS identified loci and candidate genes associated with fiber quality traits in a new cotton MAGIC population. Theor. Appl. Genet. 138: 10

2024 (11 journal articles)

- B219. ****Zhang Jinfa**, A. Abdelraheem*, Y. Zhu*, D. Whitelock, K. Hake, and T. Wedegaertner. 2024. Evaluation of cotton cultivars and breeding lines for tolerance to monosodium methanarsonate (MSMA) under field conditions. J. Cotton Sci. 28: 12-26
- B218. ****Zhang Jinfa**, H. Ellassbli, Y. Zhu*, T. Wheeler, and F. Bourland. 2024. Evaluation methods, resistant germplasm, and breeding for resistance to bacterial blight in cotton: a review, J. Cotton Sci. 28: 27-57
- B217. *Abdelraheem A., Y. Zhu, L. Zeng, S. Stetina, Feng C., Wheeler, T., and **Jinfa Zhang****. Identification of new genetic sources of resistance to bacterial blight race 18 in diploid Asiatic cotton and resistance transfer to tetraploid Upland cotton (*Gossypium hirsutum*). Euphytica 220: 85 (JIF: 1.6)
- B216. *Abdelraheem A., Y. Zhu, L. Zeng, S. Stetina, and **Jinfa Zhang****. 2024. A genome-wide association study for resistance to Fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*) race 4 in diploid cotton (*Gossypium arboreum*) and resistance transfer to tetraploid *Gossypium hirsutum*. Mol. Genet. Genom. 299: 30 (JIF: 2.3)
- B215. Gowda A., H. Fang, P. Tyagi, F. Bourland, J. Dever, B. T. Campbell, **Jinfa Zhang**, A. Abdelraheem, S. Sood, D. C. Jones, V. Kuraparthi. 2024. Genome-wide association study of fiber quality traits in US upland cotton (*Gossypium hirsutum* L.). Theor. Appl Genet 137: 214 (JIF: 4.4)
- B214. Jia B., P. Feng, J. Song, C. Zhou, Y. Wang, B. Zhang, M. Wu, **Jinfa Zhang**, Q. Chen, J. Yu. 2024. Transcriptome analysis and identification of genes associated with cotton seed size. Int. J. Mol. Sci. 25: 9812 (JIF: 4.9)

- B213. Feng P., B. Jia, J. Song, H. Mao, J. Ma, W. Pei, B. Zhang, L. Wang, Y. Dang, S. Hu b, W. Wang, **Jinfa Zhang**, M. Wu, and J. Yu. 2024. QTL mapping of major fatty acids and identification of candidate genes in cottonseed in an introgression line population from *Gossypium hirsutum* × *Gossypium barbadense*. Ind. Crops Prod. 222: 119391 (JIF: 5.6)
- B212. Song J., B. Jia, P. Feng, H. Xia, W. Zhao, H. Xia, Y. Dong, W. Pei, J. Ma, B. Zhang, L. Wang, M. Wu, **Jinfa Zhang** and J. Yu**. 2024. Transcriptome analysis reveals potential of down-regulated genes in cotton fiber improvement. Ind. Crops Prod. 217: 118737 (JIF: 5.6)
- B211. Song J., G. Liu, C. Jin, W. Pei, B. Zhang, B. Jia, M. Wu, J. Ma, J. Liu, **Jinfa. Zhang**, and J. Yu. 2024. Co-localization and analysis of miR477b with fiber length quantitative trait loci in cotton. Physiol. Plant. 176: e14303 (JIF: 5.4)
- B210. Ma J., L. Yang, Y. Dang, K. Shahzad, J. Song, B. Jia, L. Wang, J. Feng, W. Pei, M. Wu, X. Zhang, **Jinfa Zhang**, J. Wu, and J. Yu. 2024. Deciphering the dynamic expression network of fiber elongation and the molecular mechanism of the *GhTUB5* gene in cotton based on an introgression population of upland cotton. J. Adv. Res. Available online 4 August 2024. <https://doi.org/10.1016/j.jare.2024.08.004> (JIF: 11.4)
- B209. Ma J., B. Jia, Y. Bian, W. Pei, J. Song, M. Wu, W. Wang, L. Wang, B. Zhang, P. Feng, L. Yang, **Jinfa Zhang**, and J. Yu**. 2024. Genomic and co-expression network analyses reveal candidate genes for oil accumulation based on an introgression population in Upland cotton (*Gossypium hirsutum*). Theor. Appl. Genet. 137: 23 (JIF: 4.4)

2023 (8 journal articles)

- B208. ****Zhang, J. F.**, Y. Zhu*, T. Wheeler, and J. K. Dever. 2023. Development and validation of allele-specific PCR-based SNP typing in a gene on chromosome D03 conferring resistance to Fusarium wilt race 4 in Upland cotton (*Gossypium hirsutum*). Mol. Genet. Genom. 298: 1579-1589 (JIF: 2.98)
- B207. ****Zhang, J. F.**, Y. Zhu*, T. Wheeler, J. Dever, and K. Hake. 2023. Targeted development of diagnostic SNP markers for resistance to Fusarium wilt race 4 in Upland cotton (*Gossypium hirsutum*). Mol. Genet. Genom. 298: 895-903 (JIF: 2.98)
- B206. *Zhu Yi, Kathleen Willey, Terry Wheeler, Jane K. Dever, Derek Whitelock, Tom Wedegaertner, Kater Hake, Kaitlyn Bissonnette, and **Jinfa Zhang**. 2023. A rapid and reliable method for evaluating cotton resistance to Fusarium wilt race 4 based on taproot rot at the seed germination stage. Phytopathology 113: 904-916 (JIF: 4.01)
- B205. *Zhu Y., A. Abdelraheem, P. Cooke, T. Wheeler, J. K. Dever, K. Hake, K. Bissonnette, and **J. F. Zhang**. 2023. Comparative analysis of infection process in Upland cottons differing in resistance to Fusarium wilt caused by *Fusarium oxysporum* f. sp. *vasinfectum* race 4. Crop Sci. 63: 1330-1343 (JIF: 2.763)
- B204. *Zhu Yi, Heather Elkins-Arce, Terry A. Wheeler, Jane Dever, Derek Whitelock, Kater Hake, Tom Wedegaertner, and **Jinfa Zhang****. 2023. Effect of growth stage, cultivar, and root wounding on disease development in cotton caused by Fusarium wilt race 4 (*Fusarium oxysporum* f. sp. *vasinfectum*). Crop Sci. 63: 101-114 (JIF: 2.763)
- B203. Zeng L., L. Hinze, D. D. Fang, C. Delhom, and **J. F. Zhang**. 2023. Analysis of a cotton introgression population derived through multiple generations of random mating in multiple-parents crosses. Euphytica 219: 101 (JIF: 2.185)
- B202. Ulloa M., Robert B. Hutmacher, **J. F. Zhang**, TariLee Schramm, Philip A. Roberts, Margaret Ellis, Jane K. Dever, Terry A. Wheeler, Travis W. Witt, Soum Sanogo, Steve Hague, Mark Keely, Joel Arce, Jorge Angeles, Kater Hake, and Paxton Payton. 2023. Registration of 17 upland germplasm lines (PSSJ-FRU01 to PSSJ-FRU17) with improved resistance to Fusarium wilt race 4 and good fiber quality. J. Plant Reg. 17: 152-163 (JIF: 0.902)
- B201. Mao H., W. Zhang, J. Lv, J. Yang, S. Yang, B. Jia, J. Song, M. Wu, W. Pei, J. Ma, B. Zhang, **J. F. Zhang**, L. Wang, and J. Yu. 2023. Overexpression of cotton Trihelix transcription factor GhGT-3b_A04 enhances resistance to Verticillium dahliae and affects plant growth in *Arabidopsis thaliana*. J. Plant Physiol. 283: 153947 (JIF: 3.686)

2022 (16 journal articles)

- B200. ****Zhang Jinfa**, Yi Zhu, Heather D Elkins-Arce, Terry Wheeler, Jane K Dever, Derek Whitelock, Tom Wedegaertner, Kater Hake, and Kaitlyn Bissonnette. 2022. Efficiency of selection for resistance to Fusarium wilt race 4 in cotton when conducted in the field versus greenhouse. *Euphytica* 218: 165 (JIF: 2.185)
- B199. ****Zhang Jinfa**, Abdelraheem Abdelraheem*, Yi Zhu*, Heather Elkins-Arce, Jane Dever, Terry A. Wheeler, Derek Whitelock, Kater Hake, and Tom Wedegaertner. 2022. Studies of evaluation methods for resistance to Fusarium wilt race 4 (*Fusarium oxysporum* f. sp. *vasinfectum*) in cotton: effects of cultivar, planting date, and inoculum density on disease progression. *Front. Plant Sci.* 13: 900131 (JIF: 6.627)
- B198. ****Zhang Jinfa**, Yi Zhu*, Heather Elkins-Arce, Jane Dever, Terry A. Wheeler, Derek Whitelock, Kater Hake, and Tom Wedegaertner. 2022. Studies of evaluation parameters for resistance to Fusarium wilt in cotton caused by Fusarium wilt race 4 (*Fusarium oxysporum* f. sp. *vasinfectum*). *Crop Sci.* 62: 1115-1132 (JIF: 2.763)
- B197. ****Zhang Jinfa**, Abdelraheem Abdelraheem*, Jianjiang Ma, Yi Zhu*, Jane Dever, Terry A. Wheeler, Derek Whitelock, Kater Hake, Tom Wedegaertner, and Jiwen Yu. 2022. Mapping of dynamic QTLs for resistance to Fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*) race 4 in a backcross inbred line population of Upland cotton. *Mol. Genet. Genom.* 297:319-332 (JIF: 2.98)
- B196. ****Zhang Jinfa**, Yi Zhu*, Abdelraheem Abdelraheem*, Heather Elkins-Arce, Jane Dever, Terry A. Wheeler, Tom Isakeit, Kater Hake, and Tom Wedegaertner. 2022. Use of a Latin square design to assess experimental errors in field evaluation of cotton for resistance to Fusarium wilt race 4. *Crop Sci.* 62: 575-591 (JIF: 2.763)
- B195. *Zhu Yi, Abdelraheem Abdelraheem*, Gregory N. Thyssen, Zonghua Teng, David D. Fang, Johnnie N. Jenkins, Jack C. McCarty Jr, Tom Wedegaertner, and **Jinfa Zhang****. 2022. A GWAS identified a major QTL for resistance to Fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*) race 4 in a MAGIC population derived from intermating of eleven Upland cotton (*Gossypium hirsutum*) parents. *Theor. Appl. Genet.* 135: 2297-2312 (JIF: 5.574)
- B194. *Zhu Yi, A. Abdelraheem*, Terry A. Wheeler, Jane K. Dever, Tom Wedegaertner, Kater D. Hake, and **Jinfa Zhang****. 2022. Comparative analysis of infection process in Pima cotton differing in resistance to Fusarium wilt caused by *Fusarium oxysporum* f. sp. *vasinfectum* race 4. *Phytopathology* 112: 852-861 (JIF: 4.01)
- B193. *Abdelraheem A., Y. Zhu*, and **Jinfa Zhang****. 2022. Quantitative trait locus mapping for fusarium wilt race 4 resistance in a recombinant inbred line population of Pima cotton (*Gossypium barbadense*). *Pathogens* 11: 1143
- B192. Zhang Bingbing, Guoyuan Liu, Jikun Song, Bing Jia, Shuxian Yang, Jianjiang Ma, Ji Liu, Kashif Shahzad, Wenkui Wang, Wenfeng Pei, Man Wu, **Jinfa Jinfa**, and Jiwen Yu. 2022. Analysis of the MIR396 gene family and the role of MIR396b in regulating fiber length in cotton. *Physiol. Plant.* 174: e13801 (JIF: 5.081)
- B191. Ma Jianjiang, Yafei Jiang, Wenfeng Pei, Man Wu, Qifeng Ma, Ji Liu, Jikun Song, Bing Jia, Shang Liu, Jianyong Wu, **Jinfa Zhang** and Jiwen Yu. 2022. Gene expression and sequence variants reveal the mechanism underlying improvements in fibre elongation in an introgressed population derived from *Gossypium hirsutum* × *Gossypium barbadense*. *J. Plant Biotechnol.* 20: 1940–1955 (JIF: 13.263)
- B190. Song Jikun, Wenfeng Pei, Nuohan Wang, Jianjiang Ma, Man Wu, Yue Xin, Shuxian Yang, Wei Wang, Quanjia Chen, **Jinfa Zhang**, Jiwen Yu, and Yanying Qu. 2022. Transcriptome analysis and identification of genes associated with oil accumulation in upland cotton. *Physiol. Plant.* 174: e13701 (JIF: 5.081)
- B189. Wu Luyao, Bing Jia, Wenfeng Pei, Li Wang, Jianjiang Ma, Man Wu, Jikun Song, Shuxian Yang, Yue Xin, Li Huang, Pan Feng, **Jinfa Zhang**, and Jiwen Yu. 2022. QTL analysis and identification of candidate genes affecting seed size and shape in an interspecific backcross inbred line population of *Gossypium hirsutum* × *Gossypium barbadense*. *Front. Plant Sci.* 13: 837984 (JIF: 6.627)
- B188. Wu M., W. Pei, T. Wedegaertner, **J. F. Zhang**, and J. Yu. 2022. Genetics, breeding and genetic engineering to improve cottonseed oil and protein: a review. *Front. Plant Sci.* 13: 864850 (JIF: 6.627)
- B187. Feng J., Y. Li, **J. F. Zhang**, M. Zhang, X. Zhang, K. Shahzad, L. Guo, T. Qi, H. Tang, H. Wang, X. Qiao, Z. Lin, C. Xing, and J. Wu. 2022. Transcript complexity and new insights of restorer line in CMS-D8 cotton through full-length transcriptomic analysis. *Front. Plant Sci.* 13: 930131 (JIF: 6.627)
- B186. Han W., J. Zhao, X. Deng, A. Gu, D. Li, Y. Wang, X. Lu, Q. Zu, Q. Chen, Q. J. Chen, **J. F. Zhang**, and Y. Qu. 2022. Quantitative trait locus mapping and identification of candidate genes for resistance to Fusarium wilt race 7 using a

- resequencing-based high density genetic bin map in a recombinant inbred line population of *Gossypium barbadense*. Front. Plant Sci. 13: 815643 (JIF: 6.627)
- B185. Liu Y., Y. Zhai, Y. Li, J. Zheng, **Jinfa Zhang**, M. Kumar, F. Li, and M. Ren. 2022. Multiple strategies to detoxify cottonseed as human food source. Front. Plant Sci. 13: 1080407 (JIF: 6.627)

2021 (16 journal articles)

- B184. ****Zhang Jinfa** and Tom Wedegaertner. 2021. Genetics and breeding for glandless Upland cotton with improved yield potential and disease resistance: a review. Front. Plant Sci. 12:753426 (JIF: 6.627)
- B183. ****Zhang Jinfa**, Abdelraheem Abdelraheem, Tom Wedegaertner. 2021. Tolerance of Pima and Upland cotton to trifloxysulfuron (Envoke) herbicide under field conditions. J. Cotton Res. 4:26
- B182. ****Zhang Jinfa**, Abdelraheem Abdelraheem*, Yi Zhu, Terry A. Wheeler, Jane K. Dever, Robert Nichols, and Tom Wedegaertner. 2021. Importance of temperature in evaluating cotton for resistance to Fusarium wilt caused by *Fusarium oxysporum* f. sp. *vasinfectum* race 4. Crop Sci. 61: 1783-1796 (JIF: 2.763)
- B181. ****Zhang Jinfa**, Abdelraheem Abdelraheem*, Yi Zhu, Terry A. Wheeler, Jane K. Dever, Jianjiang Ma, Jiwen Yu, Yuzhen Shi, Youlu Yuan, and Tom Wedegaertner. 2021. Dynamic responses to Fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*) race 4 in two introgressed populations of Upland cotton (*Gossypium hirsutum*). Euphytica 217: 98 (JIF: 2.185)
- B180. Zhu Yi, Abdelraheem Abdelraheem*, Phillip Lujan, John Idowu, Patrick Sullivan, Robert Nichols, Tom Wedegaertner, and **Jinfa Zhang****. 2021. Detection and characterization of Fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*) race 4 causing Fusarium wilt of cotton seedlings in New Mexico, USA. Plant Dis. 105: 3353-3367 (JIF: 4.614)
- B179. Zhu Yi, Abdelraheem Abdelraheem*, Terry A. Wheeler, Jane K. Dever, Tom Wedegaertner, Kater D. Hake, and **Jinfa Zhang****. 2021. Interactions between cotton genotypes and Fusarium wilt race 4 isolates from Texas and resistance evaluation in cotton. Crop Sci. 61: 1809-1925 (JIF: 2.763)
- B178. Zhu Y., A. Abdelraheem*, Robert L Nichols, Tom Wedegaertner, and **Jinfa Zhang****. 2021. First report of *Fusarium fujikuroi* causing wilt on pima cotton (*Gossypium barbadense*) seedlings in New Mexico, USA. Plant Dis. 105: 228 (JIF: 4.614)
- B177. *Abdelraheem Abdelraheem, Yi Zhu, Jane K. Dever, Terry A. Wheeler, Tom Wedegaertner, Kater Hake, and **Jinfa Zhang****. 2021. Diallel analysis of resistance to Fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*) race 4 in American Pima cotton (*Gossypium barbadense*). Crop Sci. 61:4000-4011 (JIF: 2.763)
- B176. *Abdelraheem A., Yi Zhu, Terry A. Wheeler, Jane K. Dever, Kater Hake, Tom Wedegaertner, and **Zhang Jinfa****. 2021. Identification of resistance sources to Fusarium wilt race 4 in *Gossypium barbadense* and cultivated Asiatic diploid species. Euphytica 217: 153 (JIF: 2.185)
- B175. *Abdelraheem Abdelraheem, Vasu Kuraparthi, Lori Hinze, David Stelly, Tom Wedegaertner, and **Jinfa Zhang****. 2021. Genome-wide association study for tolerance to drought and salt tolerance and resistance to thrips at the seedling growth stage in US Upland cotton. Ind. Crop Prod. 169: 113645 (JIF: 6.449)
- B174. *Abdelraheem A., Gregory N. Thyssen, David D. Fang, Johnie N. Jenkins, Jack C. McCarty Jr., Tom Wedegaertner, and **Jinfa Zhang****. 2021. GWAS reveals consistent QTL for drought and salt tolerance in a MAGIC population of 550 lines derived from intermating of eleven Upland cotton (*Gossypium hirsutum*) parents. Mol. Genet. Genomics 296: 119-129 (JIF: 2.98)
- B173. Elassbli H., Y. Zhu, A. Abdelraheem*, T. A. Wheeler, T. Wedegaertner, and **Jinfa Zhang****. 2021. Genetic analysis of resistance to bacterial blight race 18 in US upland cotton and *B₁₂*-linked marker analysis. Crop Sci. 61: 3458-3468 (JIF: 2.763)
- B172. Elassbli Hanan, A. Abdelraheem*, Yi Zhu, Zonghua Teng, Terry A Wheeler, Vasu Kuraparthi, Lori Hinze, David M Stelly, Tom Wedegaertner, and **Jinfa Zhang****. 2021. A genome-wide association study of bacterial blight resistance in US Upland cotton germplasm. Mol. Genet. Genomics 296: 719-729 (JIF: 2.98)

- B171. Elassbli H., A. Abdelraheem*, Y. Zhu, Z. Teng, S. Sanogo, T. A. Wheeler, T. Wedegaertner, and **Jinfa Zhang****. 2021. Evaluation and analysis of commercial cultivars and elite breeding lines for resistance to the bacterial blight pathogen race 18 in cotton. *Euphytica* 217: 21 (JIF: 2.185)
- B170. *Zhang Sujun, Zhenxing Jiang, Jie Chen, Zongfu Han, Jina Chi, Xihua Li, Jiwen Yu, Chaozhu Xing, Mingzhou Song, Jianyong Wu, Feng Liu, Xiangyun Zhang, **Jinfa Zhang****, and Jianhong Zhang**. 2021. The cellulose synthase (CesA) gene family in four *Gossypium* species: phylogenetics, sequence variation, and gene expression in relation to fiber quality in Upland cotton. *Mol. Genet. Genomics* 296: 355-368 (JIF: 3.291)
- B169. Zeng Linghe, Jixiang Wu, Fred Bourland, B. T. Campbell, Jane Dever, Steve Hague, Gerald O. Myers, Tyson Brant Raper, C. Wayne, Smith, and **Jinfa Zhang**. 2021. Comparative study of transgenic and non-transgenic cotton. *Crop Sci.* 61: 2467-2477 (JIF: 2.763)
- B168. Pei W., Jikun Song, Wenkui Wang, Jianjiang MA, Bing Jia, Luyao Wu, Man Wu, Quanjia Chen, Qin Qin, Haiyong Zhu, Chengcheng Hu, Hai Lei, Xuefei Gao, Haijun Hu, Yu Zhang, Yanying Qu, **Jinfa Zhang**, and Jiwen Yu. 2021. QTL analysis and identification of candidate genes for micronaire in an interspecific backcross inbred line population of *Gossypium hirsutum* × *Gossypium barbadense*. *Front. Plant Sci.* 12:763016 (JIF: 6.627)
- B167. Wang N., Q. Ma, W. Pei, J. Song, B. Jia, G. Liu, H. Sun, X. Zang, S. Yu, **J. F. Zhang**, and J. Yu. 2021. Genetic variation in MYB5_B12 is associated with fibre initiation and elongation in tetraploid cotton. *Plant Biotechnol. J.* 19: 1892-1894 (JIF: 13.263)
- B166. Yang Shuxia, Li Huang, Jikun Song, Lisen Liu, Yingying Bian, Bing Jia, Luyao Wu, Yue Xin, Man Wu, **Jinfa Zhang**, Jiwen Yu, and Xinshan Zang. 2021. Genome-wide analysis of DA1-like genes in *Gossypium* and functional characterization of *GhDA1-1A* controlling seed size. *Front. Plant Sci.* 12: 647091 (JIF: 6.627)
- B165. Song Jikun, Wenfeng Pei, Jianjiang Ma, Shuxian Yang, Bing Jia, Yingying Bian, Yue Xin, Luyao Wu, Xinshan Zang, Yanying Qu, **Jinfa Zhang**, Man Wu, and Jiwen Yu. 2021. Genome-wide association study of micronaire using a natural population of representative upland cotton (*Gossypium hirsutum* L.). *J. Cotton Res.* 4: 14

2020 (14 journal articles)

- B164. ****Zhang Jinfa**. 2020. Registration of ‘Acala 1517-21’ cotton cultivar (*Gossypium hirsutum* L.). *J. Plant Reg.* 14: 273-280 (JIF: 0.902)
- B163. ****Zhang Jinfa**. 2020. Registration of upland cotton cultivar ‘Acala 1517-20’ resistant to Fusarium wilt race 4. *J. Plant Reg.* 14: 10-18 (JIF: 0.902)
- B162. ****Zhang Jinfa**, Omololu J. Idowu, and Tom Wedegaertner. 2020. Registration of glandless ‘NuMex COT 17 GLS’ upland cotton cultivar with Fusarium wilt race 4 resistance. *J. Plant Reg.* 14: 1-9 (JIF: 0.902)
- B161. ****Zhang Jinfa**, Abdelraheem Abdelraheem*, Yi Zhu, Terry A. Wheeler, Jane K. Dever, Heather Elkins-Arce, Robert Nichols, and Tom Wedegaertner. 2020. Pedigree selection under field conditions within Acala 1517-08 and its glandless derivatives for development of cotton resistant to Fusarium wilt caused by *Fusarium oxysporum* f. sp. *vasinfectum* race 4. *Euphytica* 216: 155 (JIF: 1.895)
- B160. ****Zhang Jinfa**, F. Bourland, T. A. Wheeler, and T. Wallace. 2020. Bacterial blight resistance in cotton: genetic basis and molecular mapping. *Euphytica* 216: 111 (JIF: 1.895)
- B159. ****Zhang Jinfa**, Abdelraheem Abdelraheem*, Yi Zhu, Terry A. Wheeler, Jane K. Dever, James Frelichowski, Janna Love, Mauricio Ulloa, Johnnie N. Jenkins, Jack C. McCarty Jr., Robert Nichols, and Tom Wedegaertner. 2020. Assessing genetic variation for Fusarium wilt race 4 resistance in tetraploid cotton by screening over three thousand germplasm lines under greenhouse or controlled conditions. *Euphytica* 216: 108 (JIF: 1.895)
- B158. ****Zhang Jinfa**, A. Abdelraheem*, Gregory N. Thyssen, David D. Fang, Johnnie N. Jenkins, Jack C. McCarty Jr, and Tom Wedegaertner. 2020. Evaluation and genome-wide association study of Verticillium wilt resistance in a MAGIC population derived from intermating of eleven Upland cotton (*Gossypium hirsutum*) parents. *Euphytica* 216: 9 (JIF: 1.895)

- B157. Zhu Y., P. Lujan, A. Abdelraheem*, T. Wedegaertner, R. Nichols, **Jinfa Zhang**** and S. Sanogo**. 2020. First report of *Fusarium oxysporum* f. sp. *vasinfectum* (FOV) race 4 causing wilt in cotton (*Gossypium* L.) in New Mexico, USA. Plant Dis. 104: 588 (JIF: 4.438)
- B156. *Abdelraheem A., Hanan Ellassbli, Yi Zhu, Vasu Kuraparthi, Lori Hinze, David Stelly, Tom Wedegaertner, and **Jinfa Zhang****. 2020. A genome-wide association study uncovers consistent quantitative trait loci for resistance to Verticillium wilt and Fusarium wilt in the U.S. Upland cotton. Theor. Appl. Genet. 133: 563-577 (JIF: 5.574)
- B155. *Abdelraheem A., N. Adams, and **Jinfa Zhang****. 2020. Genetic variation of drought tolerance and effects of drought on agronomic and fiber quality in an introgressed backcross inbred line population of upland cotton under field conditions. Field Crops Res. 254: 107850 (JIF: 6.145)
- B154. *Abdelraheem A., David Fang, Jane Dever, and **Jinfa Zhang****. 2020. QTL analysis of agronomic, fiber quality, and abiotic stress tolerance traits in a recombinant inbred population of Pima Cotton (*Gossypium barbadense* L.). Crop Sci. 60: 1823-1843 (JIF: 2.763)
- B153. *Han Z. F., Yuxiang Qin, Xihua Li, Jiwen Yu, Ruzhong Li, Chaozhu Xing, Mingzhou Song, Jianyong Wu, and **Jinfa Zhang****. 2020. A genome-wide analysis of pentatricopeptide repeat (PPR) protein-encoding genes in *Gossypium* species with an emphasis on their expression in floral buds, ovules and fibers in Upland cotton. Mol. Genet. Genomics 295: 55-66 (JIF: 3.291)
- B152. Shi Yuzhen, Aiyang Liu, Junwen Li, **Jinfa Zhang**, Shaoqi Li, Jinfeng Zhang, Liujun Ma, Rui He, Weiwu Song, Lixue Guo, Quanwei Lu, Xianghui Xiao, Wangkui Gong, Juwu Gong, Qun Ge, Haihong Shang, Xiaoying Deng, Jingtao Pan, and Youlu Yuan. 2019. Examining two sets of introgression lines across multiple environments reveals background-independent and stably expressed quantitative trait loci of fiber quality in cotton. Theor. Appl. Genet. 133: 2075-2093 (JIF: 5.699)
- B151. Cui Yupeng, Ying Su, Junjuan Wang, Bing Jia, Man Wu, Wenfeng Pei, **Jinfa Zhang**, and Jiwen Yu. 2020. Genome-wide characterization and analysis of CIPK gene family in two cultivated allopolyploid cotton species: sequence variation, association with seed oil content and the role of *CIPK6*. Int. J. Mol. Sci. 21: 863. (JIF: 5.923)

2019 (24 journal articles)

- B150. ****Zhang Jinfa**, Abdelreheem Abdelraheem, and Robert Flynn. 2019. Genetic gains of Acala 1517 cotton since 1926. Crop Sci. 59: 1052-1061 (JIF: 2.319)
- B149. ****Zhang Jinfa**, A. Abdelraheem, and J.M. Stewart. 2019. A Comparative analysis of cytoplasmic effects on lint yield and fiber quality between CMS-D2 and CMS-D8 systems in Upland cotton. Crop Sci. 59: 624-631 (JIF: 2.319)
- B148. ****Zhang Jinfa** and S. E. Hughes. 2019. Accuracy, precision and harvesting efficiency of a cotton plot picker installed with an automatic weighing system in a cotton breeding program. J. Cotton Sci. 23: 59-65
- B147. ****Zhang Jinfa**, A. Abdelraheem, and Tom Wedegaertner. 2019. Tolerance of commercial Upland (*Gossypium hirsutum*) and Pima (*G. barbadense*) cotton cultivars, advanced breeding lines and glandless cotton to halosulfuron (Sanda) herbicide under field conditions. Euphytica 215: 3 (JIF: 1.895)
- B146. ****Zhang Jinfa**, A. Abdelraheem, and Tom Wedegaertner. 2019. Genetic variation of waterlogging tolerance in Pima (*Gossypium barbadense*) cotton and glanded and glandless Upland cotton (*Gossypium hirsutum*) under field conditions. Ind. Crops Prod. 129: 169-174 (JIF: 5.645)
- B145. ****Zhang Jinfa**, R. G. Cantrell and S. E. Hughes. 2019. Registration of four Acala cotton germplasm lines with improved fiber strength in Upland cotton (*Gossypium hirsutum* L.). J. Plant Reg. 13: 74-76 (JIF: 0.359)
- B144. ****Zhang Jinfa**, Roy G. Cantrell, Sidney E. Hughes, and Don C. Jones. 2019. Registration of NM 970123, NM 990813, and NM W1218 germplasm lines of Upland cotton (*Gossypium hirsutum* L.). J. Plant Reg. 13: 68-73 (JIF: 0.359)
- B143. ****Zhang Jinfa**, Tom Wedegaertner, Omololu J. Idowu, Soum Sanogo, Robert Flynn, and Sidney E. Hughes, and Don C. Jones. 2019. Registration of a glandless 'Acala 1517-18 GLS' cotton. J. Plant Reg. 13: 12-18 (JIF: 0.359)

- B142. Zeng Linghe, Deborah L. Boykin, **Jinfa Zhang**, Efrem Bechere, Jane K. Dever, B. Todd Campbell, Tyson B. Raper, Calvin Meeks, Wayne Smith, Gerald O. Myers, and Fred M. Bourland. 2019. Analysis of testing locations in Regional High-Quality tests for cotton fiber quality traits. *J. Cotton Sci.* 23: 284-291
- B141. Zhu Yi, A. Abdelraheem, Tom Wedegaertner, R. Nichols, Soum Sanogo, and **Jinfa Zhang****. 2019. First report of *Fusarium solani* causing wilt in Pima cotton (*Gossypium* L.) in New Mexico, USA. *Plant Dis.* 103: 3279 (JIF: 4.438)
- B140. Zhu Yi, A. Abdelraheem, Soum Sanogo, Tom Wedegaertner, R. Nichols, and **Jinfa Zhang****. 2019. First report of *Fusarium proliferatum* causing wilt in cotton (*Gossypium* L.) in New Mexico, USA. *Plant Dis.* 103: 2679 (JIF: 4.438)
- B139. Zhu Y., Phillip Lujan, Srijana Dura, Robert Steiner, **Jinfa Zhang**, and S. Sanogo. 2019. Etiology of Alternaria leaf spot in cotton in Southern New Mexico. *Plant Dis.* 103: 1595–1604 (JIF: 4.438)
- B138. Abdelraheem A., N. Esmaeili, Mary O’Connell, and **Jinfa Zhang****. 2019. Progress and perspective on drought and salt stress tolerance in cotton. *Ind. Crops Prod.* 130: 118–129 (JIF: 5.645)
- B137. Zang Xinshan, Xiaoli Geng, Lei Ma, Yanhui Geng, Nuohan Wang, Guoyuan Liu, Jianjiang Ma, Dan Li, Yupeng Cui, Wenfeng Pei, Man Wu, Xingli Li, **Jinfa Zhang**, and Jiwen Yu. 2019. A genome-wide analysis of the phospholipid: diacylglycerol acyltransferase gene family in *Gossypium*. *BMC Genomics* 20: 402 (JIF: 3.501)
- B136. Wu Man, Longyun Li, Guoyuan Liu, Xihua Li, Wenfeng Pei, Xingli Li, **Jinfa Zhang**, Shuxun Yu, and Jiwen Yu. 2019. Differentially expressed genes between two groups of backcross inbred lines differing in fiber length developed from Upland x Pima cotton. *Mol. Biol. Rep.* 46: 1199-1212 (JIF: 2.316)
- B135. Wang Nuohan, Qiang Ma, Jianjiang Ma, Wenfeng Pei, Guoyuan Liu, Yupeng Cui, Man Wu, Xinshan Zang, **Jinfa Zhang**, Shuxun Yu, Lingjian Ma, Jiwen Yu. 2019. A comparative genome-wide analysis of the R2R3-MYB gene family among four *Gossypium* species and their sequence variation and association with fiber quality traits in an interspecific *G. hirsutum* x *G. barbadense* population. *Front. Genet.* 10: 741 (JIF: 4.599)
- B134. Shi Yuzhen, Aiyang Liu, Junwen Li, **Jinfa Zhang**, Baocai Zhang, Ruihua Ge, Qun Ge, Jamshed Muhammad, Quanwei Lu, Shaoqi Li, Xianghui Xiao, Juwu Gong, Wankui Gong, Haihong Shang, Xiaoying Deng, Jingtao Pan, and Youlu Yuan. 2019. Dissecting the genetic basis of fiber quality and yield traits in interspecific backcross populations of *Gossypium hirsutum* × *Gossypium barbadense*. *Mol. Genet. Genomics* 294: 1385-1402 (JIF: 3.291)
- B133. Ma Jianjiang, Wenfeng Pei, Qifeng Ma, Yanhui Geng, Guoyuan Liu, Ji Liu, Yupeng Cui, Xia Zhang, Man Wu, Xingli Li, Dan Li, Xinshan Zang, Jikun Song, Shurong Tang, **Jinfa Zhang**, Shuxun Yu, and Jiwen Yu. 2019. QTL mapping for plant height based on a backcross inbred line population derived from *Gossypium hirsutum* × *Gossypium barbadense* and GhPIN3, a candidate gene for a stable QTL, qPH-Dt1-1, for plant height in cotton. *Theor. Appl. Genet.* 132: 2663-2676 (JIF: 5.699)
- B132. Ma Jianjiang Ji Liu, Wenfeng Pei, Qifeng Ma, Nuohan Wang, Xia Zhang, Yupeng Cui, Dan Li, Guoyuan Liu, Man Wu, Xinshan Zang, Jikun Song, **Jinfa Zhang**, Shuxun Yu, and Jiwen Yu. 2019. Genome-wide association study of the oil content in upland cotton (*Gossypium hirsutum* L.) and identification of *GhPRXR1*, a candidate gene for a stable QTLqOC-Dt5-1. *Plant Sci.* 286: 89-97 (JIF: 4.729)
- B131. Liu Guoyuan, Ji Liu, Wenfeng Pei, Xihua Li, Nuohan Wang, Jianjiang, Ma, Xinshan Zang, **Jinfa Zhang**, Shuxun Yu, Man Wu, Jiwen Yu. 2019. Analysis of the MIR160 gene family and the role of MIR160a_A05 in regulating fiber length in cotton. *Planta* 250: 2147-2158 (JIF: 4.116)
- B130. Liu Guoyuan, Wenfeng Pei, Dan Li, Jianjiang Ma, Yupeng Cui, Nuohan Wang, Jikun Song, Man Wu, Libei Li, Xinshan Zang, Shuxun Yu, **Jinfa Zhang**, and Jiwen Yu. 2019. A targeted QTL analysis for fiber length using a genetic population between two introgressed backcrossed inbred lines in *Gossypium hirsutum*. *Crop J.* 7: 273-282 (JIF: 4.407)
- B129. Liu Guoyuan, Man Wu, Wenfeng Pei, Xihua Li, Nuohan Wang, Jianjiang Ma, Xinshan Zang, Shuxun Yu, **Jinfa Zhang**, and Jiwen Yu. 2019. A comparative analysis of small RNAs between two Upland cotton backcross inbred lines with different fiber length: expression and distribution. *Crop J.* 7: 198-208 (JIF: 4.407)
- B128. Li Xue, Kashif Shahzad, Liping Guo, Tingxiang Qi, Xuexian Zhang, Hailin Wang, Huini Tang, Xiuqin Qiao, **Jinfa Zhang**, Jianyong Wu, and Chaozhu Xing. 2019. Using yield quantitative trait locus targeted SSR markers to study the relationship between genetic distance and yield heterosis in Upland cotton (*Gossypium hirsutum*. L). *Plant Breed.* 138:105–113 (JIF: 1.832)

- B127. Cui Yupeng, Jianjiang Ma, Guoyuan Liu, Nuohan Wang, Wenfeng Pei, Man Wu, Xingli Li, **Jinfa Zhang**, and Jiwen Yu. 2019. Genome-wide identification, sequence variation, and expression of the glycerol-3-phosphate acyltransferase (GPAT) gene family in *Gossypium*. *Front. Genet.* 10: 116 (JIF: 4.559)

2018 (9 journal articles)

- B126. ****Zhang Jinfa**. 2018. History, progress and perspective in cotton breeding and genetics in New Mexico. *J. Cotton Sci.* 22: 191–210
- B125. Ma Jianjiang, Yanhui Geng, Wenfeng Pei, Man Wu, Xingli Li, Guoyuan Liu, Dan Li, Qifeng Ma, XinShan Zang, Shuxun Yu, **Jinfa Zhang**, and Jiwen Yu. 2018. Genetic variation of dynamic fiber elongation and developmental quantitative trait locus mapping of fiber length in Upland cotton (*Gossypium hirsutum* L.). *BMC Genomics* 19: 882 (JIF: 3.730)
- B124. Lu Hejun, Xinglei Cui, Zhen Liu, Yuling Liu, Xingxing Wang, Zhongli Zhou, Xiaoyan Cai, Zhenmei Zhang, Xinlei Guo, Jinping Hua, Zhiying Ma, Xiyin Wang, Jinfa Zhang, Hong Zhang, Fang Liu and Kunbo Wang. 2018. Discovery and annotation of a novel transposable element family in *Gossypium*. *BMC Plant Biol.* 18: 307 (JIF: 3.93)
- B123. Zhang Bingbing, Liu Guoyuan, Zhang Meng, Li Xue, Guo Liping, Zhang Xuexian, Qi Tngxian, Wang Hailin, Tang Huini, Qiao Xiuqin, **Jinfa Zhang****, Chaozhu Xing**, Jianrong Wu**. 2018. A combined small RNA and transcriptome sequencing analysis reveal regulatory roles of miRNAs during anther development of Upland cotton carrying cytoplasmic male sterile *Gossypium harknessii* (D2) cytoplasm. *BMC Plant Biol.* 18: 242 (JIF: 3.93)
- B122. Martinez G., A. Abdelraheem, Murali Darapuneni, J. N. Jenkins, J. C. McCarty Jr., and **Jinfa Zhang****. 2018. Evaluation of a multi-parent advanced generation inter-cross (MAGIC) introgressed line population for Verticillium wilt resistance in Upland cotton. *Euphytica* 214: 197 (JIF: 1.546)
- B121. Zang Xinshan, Xiaoli Geng, Yanhui Geng, Nuohan Wang, Guoyuan Liu, Jianjiang Ma, Dan Li, Yupeng Cui, Wenfeng Pei, Man Wu, Xingli Li, **Jinfa Zhang**, and Jiwen Yu. 2018. Genome-scale analysis of the WRI-like family in *Gossypium* and functional characterization of GhWRI1a controlling triacylglycerol content. *Front. Plant Sci.* 9: 1516 (JIF: 4.495)
- B120. Yang L., Y. Wu, M. Zhang, **J. Zhang**, J. M. Stewart, C. Xing, J. Wu, and S. Jin. 2018. Transcriptome, cytological and biochemical analysis of cytoplasmic male sterility and maintainer line in CMS-D8 cotton. *Plant Mol. Biol.* 97: 537-551 (JIF: 3.905)
- B119. Zhu Y., Phillip Lujan, Srijana Dura, Robert Steiner, Tom Wedegaertner **Jinfa Zhang****, and S. Sanogo**. 2018. Evaluation of commercial Upland (*Gossypium hirsutum*) and Pima (*G. barbadense*) cotton cultivars, advanced breeding lines and glandless cotton for resistance to *Alternaria* leaf spot (*Alternaria alternata*) under field conditions. *Euphytica* 214: 147 (JIF: 1.546)
- B118. Abdelraheem A., D. D. Fang, and **Jinfa Zhang****. 2018. Quantitative trait locus mapping of drought and salt tolerance in an introgressed recombinant inbred line population of Upland cotton under the greenhouse and field conditions. *Euphytica* 214: 8 (JIF: 1.546)

2017 (9 journal articles)

- B117. ****Zhang Jinfa** and A. Abdelraheem. 2017. Combining ability, heterosis, and genetic distance among nine elite American Pima cotton genotypes (*Gossypium barbadense*). *Euphytica* 213: 240 (JIF: 1.618)
- B116. ****Zhang Jinfa**, A. Abdelraheem, and J. X. Wu. 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* 213: 208 (JIF: 1.618)
- B115. 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. *Euphytica* 213: 251 (JIF: 1.618)

- B114. Li Xihua, Guoyuan Liu, Yanhui Geng, Man Wu, Wenfeng Pei, Honghong Zhai, Xinshan Zang, Xingli Li, **Jinfa Zhang**, Shuxun Yu, and Jiwen Yu. 2017. A genome-wide analysis of small auxin-up RNA (SAUR) gene family in cotton. *BMC Genomics* 18: 815 (JIF: 3.867)
- B113. Abdelraheem A., F. Liu, M. Song, and **Jinfa Zhang****. 2017. A meta-analysis of quantitative trait loci for abiotic and biotic stress resistance in tetraploid cotton. *Mol. Genet. Genomics* 292: 1221-1235 (JIF: 2.622)
- B112. Wu Jianyong, Meng Zhang, Bingbing Zhang, Xuexian Zhang, Liping Guo, Tingxiang Qi, Hailin Wang, **Jinfa Zhang**, and Chaozhu Xing. 2017. Genome-wide comparative transcriptome analysis of CMS-D2 and its maintainer and restorer lines in Upland cotton. *BMC Genomics* 18: 454 (JIF: 3.867)
- B111. Li X. H., M. Wu, G. Y. Liu, W. F. Pei, W. K. Wang, H. H. Zhai, J. W. Yu, **Jinfa Zhang**, and S. X. Yu. 2017. Candidate genes for fiber length quantitative trait loci through RNA-Seq, sequence variation identification, and linkage and physical mapping in cotton. *BMC Genomics* 18: 425 (JIF: 3.867)
- B110. Wang Nuohan, Jianjiang Ma, Wenfeng Pei, Man Wu, Haijing Li, Xingli Li, Shuxun Yu, **Jinfa Zhang**, and Jiwen Yu. 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)
- B109. 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 (8 journal articles)

- B108. ****Zhang Jinfa**, Robert Flynn, Sidney E. Hughs, and Don C. Jones. 2016. Registration of ‘Acala 1517-16 B2RF’ cotton, a new Acala cotton cultivar with insect and herbicide resistance. *J. Plant Reg.* 10: 228-232 (JIF: 0.474)
- B107. ****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)
- B106. ****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
- B105. ****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)
- B104. ****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)
- B103. Ma Q.F., M. Wu, C.H. Wu, W.F. Pei, X.L. Li, W.K. Wang, **J.F. Zhang**, J.W. Yu, and S.X. Yu. 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)
- B102. Ma Qifeng, C. H. Wu, Man Wu, Wenfeng Pei, Wenkui Wang, Xingli Li, W. K. Wang, **Jinfa Zhang**, Jiwen Yu, and Shuxun Yu. 2016. Integrative transcriptome, proteome, phosphoproteome and genetic mapping reveals new aspects in a fiberless mutant of cotton. *Sci. Rep.* 6: 24485 (JIF: 5.228)
- B101. Wu Man, Liyuan Zhang, Xihua Li, Xiaobing Xie, Wenfeng Pei, Wenkui Wang, Jiwen Yu”, Shuxun Yu, and **Jinfa Zhang**. 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 (13 journal articles)

- B100. ****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)
- B99. ****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)
- B98. Zeng Linghe, Benjamin T. Campbell, Efrem 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)
- B97. Barrick B., R. Steiner, G. Picchioni, A. Ulery, and **J. F. Zhang****. 2015. Salinity responses of selected introgression cotton grown in two soils. *J. Cotton Sci.* 19: 268-278
- B96. 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
- B95. Abdelraheem Abdelraheem, Ezzat Mahdy, and **Jinfa Zhang****. 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)
- B94. Said Joseph I., Joseph A. Knapka, Mingzhou Song, and **Jinfa Zhang****. 2015. Cotton QTLdb: a cotton QTL database for QTL analysis, visualization, and comparison between *Gossypium hirsutum* and *G. hirsutum* x *G. barbadense* populations. *Mol. Genet. Genomics* 290: 1615-1625 (JIF: 2.622)
- B93. Said Joseph I., Mingzhou Song, Hantao Wang, Zhongxu Lin, Xianlong Zhang, David D. Fang, and **Jinfa Zhang****. 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)
- B92. Abdelraheem A., S. E. Hughs, D. C. Jones, and **J. F. Zhang****. 2015. Genetic analysis and quantitative trait locus mapping of drought tolerance in cotton under PEG conditions. *Plant Breed.* 134: 111-120 (JIF: 1.543)
- B91. 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)
- B90. 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)
- B89. 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 (14 journal articles)

- B88. ****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)
- B87. ****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)
- B86. ****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)
- B85. ****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)
- B84. 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)

- B83. 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
- B82. 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
- B81. Zhou H. P., H. Fang, S. Sanogo, S. E. Hughs, D. C. Jones, and **J. F. Zhang****. 2014. Evaluation of Verticillium wilt resistance in commercial cultivars and advanced breeding lines of cotton. *Euphytica* 196:437-448 (JIF: 1.618)
- B80. Tiwari R. S., J. M. Stewart, and **J. F. Zhang****. 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
- B79. *Rodriguez-Uribe L., A. Abdelraheem, R. Tiwari, C. Sengupta-Gapalan, S. E. Hughs, and **J. F. Zhang****. 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)
- B78. Fang H., H. P. Zhou, S. Sanogo, and **J. F. Zhang****. 2014. Development of STS markers for Verticillium wilt resistance in cotton based on RGA-AFLP analysis. *Mol. Breed.* 34: 917-926 (JIF: 2.108)
- B77. 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)
- B76. 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)
- B75. Fang Hui, Huiping Zhou, Soum Sanogo, David Fang, Richard G. Percy, Sidney E. Hughs, Don. C. Jones, Michael Gore, and **Jinfa Zhang****. 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 (15 journal articles)

- B74. ****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
- B73. 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 Kurapthy, 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)
- B72. 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
- B71. Tiwari R., G. Picchioni, R. Steiner, D. Jones, S. E. Hughs, and **J. F. Zhang****. 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)
- B70. Tiwari R., G. A. Picchioni, R. L. Steiner, D. Jones, S. E. Hughs, and **J. F. Zhang****. 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)
- B69. 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)
- B68. Said Joseph, Z. X. Lin, X. L. Zhang, M. Z. Song, and **J. F. Zhang****. 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)
- B67. 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)

- B66. *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****. 2013. 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)
- B65. Suzuki H., J. W. Yu, F. Wang and **J. F. Zhang****. 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)
- B64. *Yu J. W., S. X. Yu, M. Gore, and **J. F. Zhang****. 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)
- B63. Fang Hui, Huiping Zhou, Soum Sanogo, Robert Flynn, Richard G. Percy, Sidney E. Hughes, Mauricio Ulloa, Don. C. Jones, and **Jinfa Zhang****. 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)
- B62. Suzuki H., J. W. Yu, S. A. Ness, M. A. O'Connell, and **J. F. Zhang****. 2013. RNA editing events in mitochondrial genes by ultra-deep sequencing methods: a comparison of cytoplasmic male sterile, fertile and restored cytoplasm in cotton. Mol. Genet. Genomics 288: 445-457 (JIF: 2.622)
- B61. 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)
- B60. Suzuki H., Laura Rodriguez-Urbe, and **J. F. Zhang****. 2013. Microarray analysis of cytoplasmic male sterility and restoration in Upland cotton. Plant Cell Rep. 32: 1531-1542 (JIF: 3.088)

2012 (11 journal articles)

- B59. ****Zhang J. F.**, S. Sanogo, R. Flynn, J. B. Baral, S. Bajaj, and S. E. Hughes. 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)
- B58. Gore M., R. G. Percy, **J. F. Zhang**, and David Fang. 2012. Registration of the TM-1/NM24016 cotton recombinant inbred mapping population. J. Plant Reg. 6: 124-127 (JIF: 0.474)
- B57. 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
- B56. Curtiss J., J. McD. Stewart, and **J. F. Zhang****. 2012. Identification of molecular markers associated with semigamy in cotton. Plant Mol. Biol. Rep. 30: 189-192 (JIF: 2.304)
- B55. *Lin Z. X., Y. Wang, X. L. Zhang, and **J. F. Zhang****. 2012. Functional markers for cellulose synthase genes and comparison with SSR markers. Plant Mol. Biol. Rep. 30: 1270-1275 (JIF: 2.304)
- B54. 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)
- B53. *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****. 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)
- B52. 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)

- B51. Pang M. X., R. G. Percy, S. E. Hughs, D. C. Jones, and **J. F. Zhang****. 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: 2108)
- B50. Pang M. X., R. G. Percy, J. McD. Stewart, E. Hughs, and **J. F. Zhang****. 2012. Comparative transcriptome analysis of Pima and Acala cotton during boll development using 454 pyrosequencing technology. *Mol. Breed.* 30: 1143-1153 (JIF: 2.108)
- B49. Curtiss J., R. B. Turley, J. McD. Stewart, and **J. F. Zhang****. 2012. Identification of differentially expressed genes in semigametic Pima cotton by differential display. *Plant Mol. Biol. Rep.* 30: 643-653 (JIF: 2.304)

2011 (11 journal articles)

- B48. ****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)
- B47. ****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)
- B46. 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)
- B45. 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)
- B44. *Niu C., Yingzhi Lu, Youlu Yuan, R. G. Percy, Mauricio Ulloa, and **J. F. Zhang****. 2011. Mapping resistance gene analogs (RGAs) in cultivated tetraploid cotton using RGA-AFLP analysis. *Euphytica* 181: 65-76 (JIF: 1.618)
- B43. Pang M. X., J. McD. Stewart, and **J. F. Zhang****. 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
- B42. 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)
- B41. Curtiss C., L. Rodrigues-Urbe, J. McD. Stewart, and **Jinfa Zhang****. 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)
- B40. Pang M. X., C. Z. Xing, N. Adams, L. Rodriguez-Urbe, S. E. Hughs, Stephen F. Hanson, and **J. F. Zhang****. 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)
- B39. *Rodriguez-Urbe L., S. M. Higbie, J. McD. Stewart, T. Wilkins, W. Lindemann, C. Sengupta-Gopalan, and **J. F. Zhang****. 2011. Identification of salt responsive genes using comparative microarray analysis in Upland cotton (*Gossypium hirsutum* L.). *Plant Sci.* 180: 461-469 (JIF: 3.362)
- B38. 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*. *Russian J. Plant Physiol.* 58: 498-506 (JIF: 0.737)

2010 (3 journal articles)

- B37. 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.

- B36. *Higbie Sarah M., Fei Wang, J. McD. Stewart, Tracy M. Sterling, William C. Lindemann, E. Hughs, and **Jinfa Zhang****. 2010. Physiological response to salt (NaCl) stress in selected cultivated tetraploid cottons. Intern. J. Agron. Volume 2010 (2010), Article ID 643475, 12 pages
- B35. Wang F., C. D. Feng, M. A. O'Connell, J. McD. Stewart and **Jinfa Zhang****. 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 (6 journal articles)

- B34. 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
- B33. 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)
- B32. 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)
- B31. *Lu Y., J. Curtiss, R. Percy, R. G. Cantrell, Shuxun Yu, E. Hughs and **J. F. Zhang****. 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)
- B30. Wang Fei, Bing Yue, Jinguo Hu, J. McD. Stewart and **Jinfa Zhang****. 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)
- B29. Pang M. X., Youlu Yuan, Shuxun Yu, R.G. Percy and **J. F. Zhang****. 2009. Promoter anchored amplified polymorphism based on random amplified polymorphic DNA analysis (PAAP-RAPD) in cotton. Euphytica 167: 281-291 (JIF: 1.618)

2008 (3 journal articles)

- B28. ****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)
- B27. *Lu Y., J. Curtiss, D. N. Miranda, E. Hughs and **J. F. Zhang****. 2008. ATG anchored AFLP (ATG-AFLP) analysis in cotton. Plant Cell Rep. 27: 1645-1653 (JIF: 3.088)
- B26. *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 (5 journal articles and 2 refereed proceeding articles)

- B25. ****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)
- B24. ****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
- B23. ****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
- B22. ****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)

- B21. *Niu C., Doug J. Hinchliffe*, Yingzhi Lu*, Roy G. Cantrell, C. Wang, Philip Roberts and **J. F. Zhang****. 2007. Identification of molecular markers linked to root-knot nematode resistance in cotton (*Gossypium hirsutum* L.). Crop Sci. 47: 951-960 (JIF: 1.550)
- B20. 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)
- B19. Wang Fei, J. McD. Stewart, and **J. F. Zhang****. 2007. Molecular markers linked to the Rf2 fertility restorer gene in cotton. Genome 50: 818-824 (JIF: 1.356)

2006 (2 journal articles)

- B18. ****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)
- B17. 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 (6 journal articles)

- B16. ****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)
- B15. ****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)
- B14. ****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)
- B13. ****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)
- B12. *Hinchliffe D., Yingzhi Lu*, Carol Potenza, Champa-Segupta Gopalan, R. G. Cantrell and **J. F. Zhang****. 2005. Resistance gene analogues (RGAs) are mapped on homoeologous chromosomes in cultivated tetraploid cotton. Theor. Appl. Genet. 110: 1074-1085 (JIF: 3.900)
- B11. 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 (3 journal articles)

- B10. ****Zhang Jinfa** and J. McD. Stewart. 2004. Semigamy gene is associated with chlorophyll reduction in cotton. Crop Sci. 44: 2054-2062 (JIF: 1.550)
- B9. ****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)
- B8. 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 (1 journal article)

- B7. 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 J.* 35: 262-272 (JIF: 5.468)

2001 (2 journal articles)

- B6. **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)
- B5. **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 (2 journal articles)

- B4. **Zhang J. F.** and J. McD. Stewart. 2000. Economic and rapid method for extracting cotton genomic DNA. *J. Cotton Sci.* 4: 193-201
- B3. 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 (2 refereed proceeding articles)

- B2. ****Zhang Jinfa** and Sun Jizhong. 1995. Progress of cotton genetic research in China. Challenging the Future: Proc. World Cotton Res. Conf.-1, p289-290
- B1. ****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

C. Refereed publications in Chinese and in Chinese journals

2020

- C98. Geng Yanhui, Yingying Bian Ying, Wenfeng Pei, Guoyuan Liu, Man Wu, Xinshan Zang, Dan Li, Xingli Li, **Jinfa Zhang**, and Jiwen Yu. 2020. QTL mapping of chlorophyll content in *Gossypium hirsutum* and *Gossypium barbadense* backcross inbred lines. *Cotton Sci.* 32: 463-471
- C97. Wu M., L. Y. Li, W. F. Pei, **J. F. Zhang**, and J. W. Yu. 2020. Identification of differentially expressed genes in developing cotton fibers between two groups of backcross inbred lines differing in micronaire. *Cotton Sci.* 32: 52-62

2019

- C96. Zang Xinshan, Xiankun Shen, Wenfeng Pei, Man Wu, Xingli Li, **Jinfa Zhang**, and Jiwen Yu. 2019. Dose analysis of cotton mutants induced by ethyl methyl-sulfonate. *China Cotton* 46(2): 9-11
- C95. Li Dan, Wenfeng Pei, Jikun Song, Man Wu, Guoyuan Liu, Xinshan Zang, **Jinfa Zhang**, and Jiwen Yu. 2019. Genetic analysis of important agronomic traits in a cotton recombinant inbred line population. *China Cotton* 46(5): 11-17

2018

C94. Zang Xinshan, Yanhui Geng, Wenfeng Pei, Man Wu, Xingli Li, **Jinfa Zhang**, and Jiwen Yu. 2018. Research progress on the Mendelian genetic analysis and molecular mapping of morphological qualitative traits in cotton. *Cotton Sci.* 30: 474-485

2017

C93. 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

C92. 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

C91. 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

C90. 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

C89. 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

C88. 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

C87. 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

C86. 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

C85. 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

C84. 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

- C83. 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
- C82. 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

- C81. 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

- C80. 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

- C79. 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):
- C78. 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):
- C77. 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): 307-310
- C76. Song G. 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

- C75. 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
- C74. 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
- C73. 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
- C72. 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

- C71. 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
- C70. 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

- C69. **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
- C68. **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
- C67. 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
- C66. 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
- C65. **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
- C64. 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
- C63. 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
- C62. **Zhang Jinfa**. 1996. Cotton male sterility and heterosis. *In Advances in Heterosis in Crops*. Agric. Sci. Press of China, Beijing

1995

- C61. 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 2nd Chinese Agricultural Research Conference for Young Researchers. p272-275. The Publishing House of China Agric. Sci., Beijing
- C60. **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
- C59. 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
- C58. **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

- C57. **Zhang Jinfa**, Sun Jizhong, Liu Jinlan and Zuo Baoyu. 1994. Ultra-structure of chloroplasts in variegated cotton. *Bot. Res.* 7: 176-180
- C56. **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
- C55. **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
- C54. **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
- C53. **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
- C52. 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
- C51. 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

- C50. **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
- C49. Wu Zhengbin, Guo Jiehua, **Jinfa Zhang** and He Fenghua. 1994. Investigation of evaluating techniques and indices for pink bollworm resistance. *Acta Gossypii Sin.* 6(3): 174-177
- C48. **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
- C47. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1994. Discovery and implications of cleistogamy in cotton. *J. Huazhong Agric. Univ.* 13(5): 441-448
- C46. **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

- C45. 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. (In English)
- C44. **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
- C43. 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
- C42. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1993. Effect of frego bract gene on economic properties of cotton. *Acta Agron. Sin.* 19: 315-320
- C41. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1993. Mechanisms of cotton resistance to pink bollworm. *Acta Agron. Sin.* 19: 385-394
- C40. **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 Phytophylacica Sin.* 20 (2): 155-161
- C39. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1993. Effect of frego bract on phytosynthetic traits in upland cotton. *J. Huazhong Agric. Univ.* 12: 328-332
- C38. **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
- C37. 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
- C36. **Zhang Jinfa**. 1993. Advances in breeding methods in cotton. *J. Hubei Agric. College* 13:

1992

- C35. **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
- C34. **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
- C33. **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 (In English with Chinese abstract)
- C32. **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
- C31. 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

- C30. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1992. Discovery and identification of cleistogamous trait in cotton. J. Hubei Agric. Sci. (3): 1-4

1991

- C29. **Zhang Jinfa**. 1991. Cotton production and its limiting factors in Hubei province. J. Hubei Agric. Sci. (11): 1-5
- C28. **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
- C27. **Zhang Jinfa**. 1991. Effects of early square removal on pink bollworm damage and cotton yield. J. Hubei Agric. Sci. (6): 22-24
- C26. 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
- C25. 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
- C24. **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
- C23. **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
- C22. **Zhang Jinfa**, Jinzhong Sun and Jinlan Liu. 1991. Effects of nectariless gene on cotton economic traits. J. Huazhong Agric. Univ. 10: 242-246
- C21. **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.
- C20. **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
- C19. **Zhang Jinfa**, Jizhong Sun and Jinlan Liu. 1991. Effects of exotic cytoplasm on photosynthesis in cotton. China Cottons (1): 17-18

1990

- C18. **Zhang Jinfa**, Sun Jizhong and Liu Jinlan. 1990. Photosynthesis related characters of nectariless cotton. J. Huazhong Agric. Univ. 9: 59-63
- C17. **Zhang Jinfa**. 1990. Advances in the studies of seed production methods in China. Seeds (2): 24-26
- C16. **Zhang Jinfa**. 1990. Genetic variation analysis within cotton cultivars. J. Hubei Agric. Sci. (7): 10-12
- C15. **Zhang Jinfa**. 1990. Advances in breeding for insect resistance in cotton. Cotton Abs. 5(6): 3-5
- C14. **Zhang Jinfa**. 1990. Correlation analysis of stability of agronomic traits in upland cotton. J. Huazhong Agric. Univ. 9: 223-225

1989

- C13. **Zhang Jinfa**. 1989. Statistical methods for experimental designs without replications. Seeds (1): 53-56
- C12. Cao Shengyan and **Zhang Jinfa**. 1989. On the degree of freedom on Weltch's test. J. Huazhong Agric. Univ. 8: 369-372
- C11. **Zhang Jinfa**. 1989. Evaluation and genetic studies on cotton resistance to seedling diseases. Jiangxi Cottons (1): 27-29
- C10. **Zhang Jinfa**, Xuelian Wang and Xiancai Li. 1989. Activities of peroxidase in different types of cotton leaves. Plant Physiol. Comm. (3): 31-32

C9. 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

C8. **Zhang Jinfa**. 1988. Advances in biochemical mechanisms for disease resistance in cotton (a review). *Agronomy Abroad-Cotton* (3): 36-41

C7. **Zhang Jinfa**. 1988. Chemical resistance to diseases in cotton (a review). *Agronomy Abroad-Cotton* (4):

C6. **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

C5. **Zhang Jinfa**. 1987. Modified estimators for the environmental variance in studies of broad-sense heritability. *J. Huazhong Agric. Univ.* 6: 238-245

C4. **Zhang Jinfa**. 1987. Analysis of factors affecting yield stability of cotton, *Gossypium hirsutum*. *J. Huazhong Agric. Univ.* 6: 120-124

1986

C3. **Zhang Jinfa**. 1986. Association analysis of student grades and its implications. *Agric. Edu. Res.* (1): 60-63

C2. **Zhang jinfa**. 1986. Advances in the study of cotton resistance to spider mites (a review). *Agronomy Abroad-Cotton* (3): 50-55

1985

C1. **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

D. Non-refereed publications in proceedings/conference presentations

2024

D56. Zhu Yi, **Jinfa Zhang**, Heather Elkins-Arce, Joel Arce, Orlando Flores, Terry Wheeler, and Jane Dever. 2023. Marker-assisted selection for resistance to Fusarium wilt race 4 in upland cotton. *Proc. Beltwide Cotton Conf.* p433-435

D55. **Zhang Jinfa**, Abdelraheem Abdelraheem, Yi Zhu, Linghe Zeng, Sally Stetina, Chunda Feng, Terry Wheeler, and Jane Dever. 2024. Seeking and Utilization of new genetic sources for resistance to Fusarium wilt race 4 and bacterial blight race 18 in upland cotton. *Proc. Beltwide Cotton Conf.* p438-439

2022

D54. **Zhang J. F.**, Y. Zhu, A. Abdelraheem, H. Arce, Jane K Dever, Terry A. Wheeler, K. Hake, and T. Wedegaertner. 2022. Evaluation methods, germplasm evaluation, genetics, and breeding for resistance to Fusarium wilt race 4 in cotton: personal knowledge and experiences. *Proc. Beltwide Cotton Conf.* p110-120

2020

D53. **Zhang Jinfa**, Abdelraheem Abdelraheem, Yi Zhu, Terry Wheeler, Robert Nicholas and T. Wedegaertner. 2020. Greenhouse screening of cotton for Fusarium wilt race 4 resistance in New Mexico. Proc. Beltwide Cotton Conf. p85-90

2019

D52. Elabbli Hanan, Abdelraheem Abdelraheem, Soum Sanogo, **Jinfa Zhang**, Vasu Kuraparthi, David M. Stelly, Lori Hinze, Terry A. Wheeler and Tom Wedegaertner. A genome-wide association study of resistance to Fusarium wilt and bacterial blight in US Upland cotton germplasm. Proc. Beltwide Cotton Conf. p16-20

2018

D51. **Zhang J.F.**, J. Idowu, R. Flynn, and T. Wedegaertner. 2018. Progress in breeding for glandless cotton in New Mexico. Proc. Beltwide Cotton Conf. p566-572

D50. Sultana S., O.J. Idowu, M. Darapuneni, **J.F. Zhang**, M. Omer, and T.C. Wedegaertner. 2018. Reduced tillage effects on cotton growth and yield in New Mexico. Proc. Beltwide Cotton Conf. p79-82

D49. John Idowu, **Jinfa Zhang**, Jane Pierce, Mohammed Omer, and Tom Wedegaertner. 2018. Impacts of potassium fertilization on new glandless cotton cultivars developed for New Mexico. Proc. Beltwide Cotton Conf. p153-156

2017

D48. **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. p568-474

D47. Elabbli Hanan, A. Abdelraheem, Soum Sanogo, Terry A. Wheeler, Vasu Kuraparthi, and **Jinfa Zhang**. 2017. Evaluation of cotton cultivars and breeding lines for resistance to bacterial blight. Proc. Beltwide Cotton Conf. p475-482

D46. 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. p483-490

D45. 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. p491-499

D44. 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. p461-467

2016

D43. 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

D42. 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

D41. **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

D40. **Zhang J. F.**, T. Wedegaertner, and S. E. Hughs. 2014. Development of new glandless cotton germplasm. Proc. Beltwide Cotton Conf. p608-620

2013

- D39. 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
- D38. 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
- D37. **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
- D36. 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
- D35. 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
- D34. 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
- D33. 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
- D32. 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

- D31. 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
- D30. Barrick B., R. Tiwari, A. Ulery, and **J. Zhang**. 2012. Salt tolerance evaluation in commercial cotton cultivars. Proc. Beltwide Cotton Conf. p706-712
- D29. 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
- D28. 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
- D27. **Zhang Jinfa** and S. E. Hughs. 2012. Field screening for drought tolerance in cotton. Proc. Beltwide Cotton Conf. p713-718

2011

- D26. 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
- D25. **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

- D24. 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

- D23. **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
- D22. **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
- D21. **Zhang Jinfa**, R. G. Cantrell, R. Flynn and E. Hughs. 2008. Development of transgenic Acala 1517 cotton. Proc. Beltwide Cotton Conf. p857-875
- D20. 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

- D19. **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
- D18. Niu C., M. Pang and **Jinfa Zhang**. 2007. Disease resistance gene analogues in cotton: expression and sequence analysis. Proc. Beltwide Cotton Conf. p244-251
- D17. **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
- D16. **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

- D15. 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
- D14. McWilliams D.A. and **Jinfa Zhang**. 2006. Improved public Acalas for New Mexico. Proc. Beltwide Cotton Conf. p743-745

2005

- D13. 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
- D12. **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

- D11. 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
- D10. **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
- D9. 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
- D8. **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

- D7. 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

- D6. 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
- D5. **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

- D4. **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

- D3. **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
- D2. 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
- D1. **Zhang Jinfa** and J. M. Stewart. 1997. Hybridization of new Australian *Gossypium* species (section *Grandicalyx*) with upland cotton. Proc. Beltwide Cotton Conf. p487-490

E. Non-refereed agricultural experiment station (AES) reports

2019

- E14. Ted Wallace, Fred Bourland, Todd Campbell, Peng Chee, Jane Dever, Hunter Frame, Steve Hague, Lori Hinze, Robert Hutmacher, Don Jones, Jenny Kobernick, Jack McCarty, Gerald Myers, Jim Olvey, Tyson Raper, Jodi Scheffler, Wayne Smith, Alison Thompson, Linghe Zeng, and **Jinfa Zhang**. 2019. 2017 cotton performance results for the Regional Breeder Testing Network. Mississippi Agricultural and Forestry Experiment Station Bulletin 1226, Miss. State Univ. 25 pp.

2001

- E13. 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
- E12. 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

- E11. **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

- E10. **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

- E9. **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
- E8. **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
- E7. **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

- E6. **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
- E5. **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
- E4. **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

- E3. **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
- E2. 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
- E1. 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

F. Non-refereed abstracts in proceedings/conference presentations

2025

- Savyata Kandel, Omar Holguin, Claudia Galvan, Yi Zhu, **Jinfa Zhang**, Abdelraheem Abdelraheem, Linghe Zeng, Jane Dever, Carol Kelly, and Derek Whitelock. 2025. Evaluation of a large introgression line population for cottonseed oil and fatty acids. Proc. Beltwide Cotton Conf. (in press)
- Abdelraheem A., J. Mohammed, G. Thyssen, L. Hinze, **Jinfa Zhang**, D. Fang, and Linghe Zeng. 2025. A genome-wide association study for yield and agronomic traits in a MAGIC population of Upland cotton. Proc. Beltwide Cotton Conf. (in press)

2024

F93. Zhu Yi, **Jinfa Zhang**, Terry Wheeler, and Jane Dever, 2024. Pre- and post- emergence damping-off in cotton caused by *Fusarium* wilt race 4. Proc. Beltwide Cotton Conf. p436-437

2023

F92. **Zhang Jinfa**, Yi Zhu, Janna Love, James Frelichowski, Terry Wheeler, Kater Hake, and Kaitlyn Bissonnette. 2023. Evaluation of the entire US upland cotton germplasm in the GRIN collection for resistance to bacterial blight. Proc. Beltwide Cotton Conf. p162-163

F91. Zhu Yi, Hanan Ellassbli, Abdelraheem Abdelraheem, **Jinfa Zhang**, Gregory Thyssen, David Fang, Terry Wheeler, Johnie Jenkins, Jack McCarty, Kater Hake, and Kaitlyn Bissonnette. 2023. High resolution mapping and candidate gene identification for B12 conferring resistance to bacterial blight race 18 in a MAGIC population of upland cotton. Conference Proc. Beltwide Cotton Conf. p164

F90. Zhu Yi, **Jinfa Zhang**, Jane Dever, Terry Wheeler, Kater Hake, and Kaitlyn Bissonnette. 2023. Development of DNA markers for resistance to *Fusarium* wilt race 4 in cotton based on a reliable greenhouse evaluation method. Proc. Beltwide Cotton Conf. p165

2022

F89. Zhu Y., K. Willey, Terry A. Wheeler, Jane K. Dever, K. Hake, T. Wedegaertner, and **J. F. Zhang**. 2022. A rapid screening method for evaluating resistance to *Fusarium* wilt in cotton caused by *Fusarium oxysporum* f. sp. *vasinfectum* race 4. Proc. Beltwide Cotton Conf. p254

F88. Zhu Y., H. Arce, Terry A. Wheeler, Jane K. Dever, Derek P. Whitelock, K. Hake, T. Wedegaertner, and **J. F. Zhang**. 2022. Effect of growth stage, cotton genotype, and root wounding on disease development to *Fusarium* wilt caused by *Fusarium oxysporum* f. sp. *vasinfectum* race 4. Proc. Beltwide Cotton Conf. p255

2021

F87. Abdelraheem A., Y. Zhu, T. Wheeler, J. Dever, J. Ma, J. Yu, Y. Shi, Y. Yuan, T. Wedegaertner, and **J. F. Zhang**. 2021. Genetic mapping for resistance to *Fusarium* wilt in two introgressed populations of Upland cotton. Proc. Beltwide Cotton Conf. p112

F86. Abdelraheem A., Y. Zhu, J. Dever, T. Wheeler, T. Wedegaertner, and **J. F. Zhang**. 2021. Identification of resistance sources to *Fusarium* wilt race 4 in *Gossypium barbadense* and cultivated diploid cotton species. Proc. Beltwide Cotton Conf. p113

F85. Zhu Y., A. Abdelraheem, P. Cooke, T. Wheeler, J. Dever, T. Wedegaertner, and **J. F. Zhang**. 2021. Comparative analysis of infection process in cotton differing in resistance to *Fusarium* wilt caused by *Fusarium oxysporum* f. sp. *vasinfectum* race 4. Proc. Beltwide Cotton Conf. p132

F84. Moore K, A. Abdelraheem, Y. Zhi, D. Whitelock, C. Armijo, P., Funk, T. Wedegaertner, and **J. F. Zhang**. 2021. Genetic variation in seed size and fuzz content in commercial cultivars and breeding lines of Upland cotton. Proc. Beltwide Cotton Conf. p222

2020

F83. Abdelraheem Abdelraheem, T. Wedegaertner, and **Jinfa Zhang**. 2020. Genetic analysis and quantitative trait locus mapping for *Fusarium* wilt race 4 resistance in a recombinant inbred line population of Pima cotton. Proc. Beltwide Cotton Conf. p92

F82. Abdelraheem Abdelraheem, and **Jinfa Zhang**. 2020. Waterlogging tolerance in six cotton genotypes at the seedling stage. Proc. Beltwide Cotton Conf. p91

- F81. **Zhang Jinfa**, Yi Zhu, Abdelraheem Abdelraheem, Philip Lujan, John Idowu, Robert Nicholas, and T. Wedegaertner. 2020. Field survey, detection and characterization of Fusarium wilt race 4 in cotton in New Mexico. Proc. Beltwide Cotton Conf. p84

2019

- F80. **Zhang Jinfa**, Yi Zhu, Abdelraheem Abdelraheem, Zhonghua Teng, David D. Fang, Gregory N. Thyssen, Johnie N. Jenkins, Jack C. McCarty, and Tom Wedegaertner. 2019. A genome-wide association study of Fusarium wilt resistance in a MAGIC population of Upland cotton. Proc. Beltwide Cotton Conf. p14
- F79. Abdelraheem Abdelraheem, Yi Zhu, Gregory N. Thyssen, David D. Fang, Johnie N. Jenkins, Jack C. McCarty, Tom Wedegaertner, and **Jinfa Zhang**. 2019. Evaluation and QTL mapping of Fusarium wilt and Verticillium wilt resistance in an introgressed MAGIC population derived from intermating between chromosome substitution lines and upland cotton. Proc. Beltwide Cotton Conf. p21
- F78. Zhu Yi, Abdelraheem Abdelraheem, Soum Sanogo, **Jinfa Zhang**, Terry Wheeler, and Tom Wedegaertner. 2019. Pathogenicity test of Fusarium wilt and screening germplasm lines for fusarium wilt resistance in cotton. Proc. Beltwide Cotton Conf. p15

2018

- F77. **Zhang J.F.** 2018. Fighting Fusarium wilt through breeding in cotton: a successful story in China. Proc. Beltwide Cotton Conf. p877-879
- F76. Abdelraheem A., **Jinfa Zhang**, Gregory N. Thyssen, D. D. Fang, J. N. Jenkins, and Jack C. McCarty Jr. 2018. A genome-wide association study of tolerance to biotic and abiotic stresses in a MAGIC population of upland cotton. Proc. Beltwide Cotton Conf. p565

2017

- F75. Idowu John, **Jinfa Zhang**, Murali Darapuneni, and Mohammed Omer. 2017. Reduced tillage for cotton in irrigated desert Southwest. Proc. Beltwide Cotton Conf. p
- F74. 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. p519
- F73. Abdelraheem A., Soum Sanogo, **Jinfa Zhang**, V. Kuraparthi, Amanda Hulse-Kemp, David Stelly, Lori Hinze, and Don Jones. 2017. Evalation and genetic analysis of Verticillium wilt resistance in the US Upland cotton. Proc. Beltwide Cotton Conf. p517
- F72. 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. p520
- F71. 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. p458

2016

- F70. Abdelraheem A, **J.F. Zhang**, R.G. Percy, M. Gore, J. Dever, and D. Fang. 2016. Genetic analysis of yield, fiber quality and aboitic stress tolerance in Pima cotton. Proc. Beltwide Cotton Conf. p359

2015

- F69. 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
- F68. 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
- F67. 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
- F66. 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

- F65. 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
- F64. 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

- F63. **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)
- F62. 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)
- F61. 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

- F60. 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
- F59. 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
- F58. 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

- F57. 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
- F56. 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
- F55. 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
- F54. 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
- F53. Yu Jiwen, Longyun Li, Man Wu, Meizhen Song, Shuli Fan, **Jinfa Zhang**, and Shuxun Yu. 2011. Identification of micronaire-related genes based on comparative oligonucleotide microarray analysis between introgression lines. Proc. Beltwide Cotton Conf. p698

2010

- F52. 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
- F51. Suzuki H., Laura Rodriguez-Urbe, 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
- F50. 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
- F49. 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., Abdukarimov, 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

- F48. Rodriguez-Urbe, 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
- F47. Curtiss Jessica, Laura Rodriguez-Urbe, **Jinfa Zhang**, and J. McD. Stewart. 2009. Comparative gene expression between semigametic and non-semigametic Pima cotton. Proc. Beltwide Cotton Conf. p629

2008

- F46. 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
- F45. 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
- F44. 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

- F43. Pang M. and **Jinfa Zhang**. 2007. Cloning and characterization of microRNA in cotton. Proc. Beltwide Cotton Conf. p1283
- F42. 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
- F41. 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
- F39. **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

- F38. **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
- F37. **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
- F36. **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
- F35. 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
- F34. Pang Mingxiong, **Jinfa Zhang**, Shuxun Yu and Richard Percy. 2006. Promoter anchored amplified polymorphism (PAAP) in cotton. Proc. Beltwide Cotton Conf. p922
- F33. Chen Niu and **Jinfa Zhang**. 2006. Plant disease resistance gene analogues in cotton: mapping and expression. Proc. Beltwide Cotton Conf. p924
- F32. 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
- F31. 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

- F30. **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
- F29. 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
- F28. 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
- F27. 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
- F26. 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

- F25. **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
- F24. 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
- F23. 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
- F22. 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

- F21. 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
- F20. Wargachuk R., N. Formannova, 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
- F19. **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
- F18. **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
- F17. 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
- F16. **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
- F15. **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
- F14. 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

- F13. 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

- F12. **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

- F11. **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
- F10. **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
- F9. **Zhang Jinfa** and J. McD. Stewart. 1999. Cytoplasmic effects on photosynthesis and chlorophyll. Proc. Beltwide Cotton Conf. p585-586
- F8. 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

- F7. 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
- F6. 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
- F5. 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

- F4. **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

- F3. 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
- F2. **Zhang Jinfa**, Altaf Khan and J. M. Stewart. 1996. Genetic variation in a trispecific F2 population of *Gossypium*. Agronomy Abs. p85-86
- F1. Stewart J. M. and **Zhang Jinfa**. 1996. Cytoplasmic influence on the inheritance of the D8 restorer gene. Proc. Beltwide Cotton Conf. p622-623

G. Extension publications

2023

- G38. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce, J. Beck, P. Sullivan, and T. Johnson. 2023. Cotton Newsletter, 14

2022

- G37. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce, J. Beck, P. Sullivan, and T. Johnson. 2022. Cotton Newsletter, 13

2021

- G36. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce, J. Beck, P. Sullivan, and T. Johnson. 2021. Cotton Newsletter, 12(3)

- G35. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck, P. Sullivan, and T. Johnson. 2021. Cotton Newsletter, 12(2)
G34. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck, P. Sullivan, and T. Johnson. 2021. Cotton Newsletter, 12(1)

2020

- G33. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck, P. Sullivan, and T. Johnson. 2020. Cotton Newsletter, 11(3)
G32. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck, P. Sullivan, and T. Johnson. 2020. Cotton Newsletter, 11(2)
G31. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck, P. Sullivan, and T. Johnson. 2020. Cotton Newsletter, 11(1)

2019

- G30. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck J. and P. Sullivan. 2019. Cotton Newsletter, 10(3)
G29. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck J. and P. Sullivan. 2019. Cotton Newsletter, 10(2)
G28. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck J. and P. Sullivan. 2019. Cotton Newsletter, 10(1)

2018

- G27. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck J. and P. Sullivan. 2018. Cotton Newsletter, 9(3)
G26. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck J. and P. Sullivan. 2018. Cotton Newsletter, 9(2)
G25. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck J. and P. Sullivan. 2018. Cotton Newsletter, 9(1)

2017

- G24. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck J. and P. Sullivan. 2017. Cotton Newsletter, 8(3)
G23. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck J. and P. Sullivan. 2017. Cotton Newsletter, 8(2)
G22. Idowu O. J., **J. Zhang**, R. P. Flynn, J. B. Pierce. J. Beck J. and P. Sullivan. 2017. Cotton Newsletter, 8(1)

2016

- G21. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2016. Cotton Newsletter, 7(3)
G20. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2016. Cotton Newsletter, 7(2)
G19. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2016. Cotton Newsletter, 7(1)

2015

- G18. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2015. Cotton Newsletter, 6(3)
G17. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2015. Cotton Newsletter, 6(2)
G16. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2015. Cotton Newsletter, 6(1)

2014

- G15. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2014. Cotton Newsletter, 5(3)
G14. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2014. Cotton Newsletter, 5(2)
G13. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2014. Cotton Newsletter, 5(1)

2013

- G12. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2013. Cotton Newsletter, 4(3)
 G11. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2013. Cotton Newsletter, 4(2)
 G10. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2013. Cotton Newsletter, 4(1)

2012

- G9. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2012. Cotton Newsletter, 3(3)
 G8. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2012. Cotton Newsletter, 3(2)
 G7. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2012. Cotton Newsletter, 3(1)

2011

- G6. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2011. Cotton Newsletter, 2(3)
 G5. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2011. Cotton Newsletter, 2(2)
 G4. Idowu O. J., T. Carrillo, **J. Zhang**, R. P. Flynn, and J. B. Pierce. 2011. Cotton Newsletter, 2(1)

2010

- G3. Idowu O. J., T. Carrillo, **J. Zhang**, and R. P. Flynn. 2010. Cotton Newsletter, 1(3)
 G2. Idowu O. J., T. Carrillo, **J. Zhang**, and R. P. Flynn. 2010. Cotton Newsletter, 1(2)
 G1. Idowu O. J., T. Carrillo, **J. Zhang**, and R. P. Flynn. 2010. Cotton Newsletter, 1(1)

H. Cotton genetic and breeding populations developed and/or published (some with registrations in Crop Science Society of America)

1. TM-1/NM24016: 95 recombinant inbred lines (Gore et al., 2012)
2. SureGrow 747/Pima S-7: 146 backcross inbred lines (Fang et al., 2013)
3. SureGrow 747/Giza 75: 146 backcross inbred lines (Yu et al., 2013)
4. CRI 36/7124: 250 backcross inbred lines (Ma et al., 2019)
5. Acala 1517-99/Pima PHY 76: 1,500 recombinant inbred lines (Zhang, 2022)
6. Pima S-6/89590: 161 recombinant inbred lines (Abdelraheem et al., 2020)
7. Multi-parent advanced generation inter-cross (MAGIC) introgressed line population of Upland cotton: 530 recombinant inbred lines (Martinez et al., 2018)
8. Multi-parent advanced generation inter-cross (MAGIC) population of Upland cotton from 11 parental lines: 650 recombinant inbred lines (Zhang et al., 2020; Zhu et al., 2022)
9. Augmented nested association mapping (aNAM) population of Upland cotton from 3×30 cross combinations: 9,000 recombinant inbred lines (Yu et al., 2022)
10. Multi-parent advanced generation inter-cross (MAGIC) line population of Pima cotton from two sets of diallel crosses of 14 parental lines: 4,000 recombinant inbred lines (Zhang, 2022)

TEACHING EXPERIENCE

Previously at New Mexico State University (2002-2024)

- AGRO/HORT 100- Introduction to Plant Science, 3 credit hours, undergraduate level
 AGRO 303V- Genetics and Society, 3, credit hours, undergraduate level
 GENE 305L- Genetic Techniques, 1 credit hour, undergraduate level
 GENE 440- Genetics Seminar, 1 credit hour, undergraduate level

AGRO 483- Sustainable Crop Production, 3 credit hours, undergraduate level
AGRO 516- Molecular Analysis of Complex Traits, 3 credit hours, graduate level

Previously at Central China Agricultural University (1985-1998)

Field Experimental Design and Statistical Analysis, 3 credit hours, undergraduate level
Crop Breeding, 3 credit hours, undergraduate level
Reproductive Genetics of Plants, 3 credit hours, undergraduate level
Biometrical Genetics, 3 credit hours, graduate level

Student Advising/Mentoring

Student advising/mentoring undergraduate students: 50 at NMSU in 2002-2024
Summer students from the New Mexico Alliance for Minority Participation Program: 25
Major advisor: M.S.- 9, Ph.D.- 12, and postdocs- 7
Host and advisor: 25 visiting scientists from 10 countries (China, India, Pakistan, Peru, Egypt, Mali, Chad, Benin, Burkina Faso, and Malawi)

SERVICE ACTIVITIES

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, Plant Breeding Program, United States of Department of Agriculture (USDA), 2022
Panelist, Plant Breeding Program, United States of Department of Agriculture (USDA), 2023
Panelist, USDA-ARS Research Programs, 2010
Panelist, USDA-ARS Research Programs, 2014
Panelist, National Science Foundation of China (NSFC), 2015, 2018
Expert, Chunhui Plan- Agriculture in Xinjiang, Ministry of Education of China, Aug. 12-25, 2005

Editor, Molecular Genetics and Genomics (2023 impact factor= 3.1), 2013-present
Editor, Euphytica (2023 impact factor= 1.9), 2016-present
Editorial Board, Journal of Cotton Research (by Springer, 2022 impact factor= 2.6), 2018-present
Associate Editor, BMC Genomics (2023 impact factor= 4.4), 2012-present
Associate Editor, The Crop Journal (2023 impact factor= 6.6), 2014-present
Associate Editor, Journal of Cotton Science, National Cotton Council, USA, 2011-present
Editorial Board, Acta Agronomic Sinica, China Crop Science Society, 2014-present
Editorial Board, Cotton Science, China Cotton Society, 2003-present
Guest Editor for a thematic series, Journal of Cotton Research, 2024-2025
Special Issue Editor, Plants (2023 impact factor= 4.5), 2023-2024
Editorial Board, Scientific Reports (2022 impact factor= 4.6), 2016-2020
Editorial Board, International Journal of Genomics (2022 impact factor= 2.9), 2011-2020
Editorial Board, Journal of Crop Improvement (2020 impact factor= 1.39), 2016-2018
Associate Editor, BMC Genetics (2022 impact factor= 2.9), 2016-2020
Associate Editor, PLoS One (2022 impact factor= 3.7), 2011-2019
Guest Associate Editor, Frontiers in Plant Science (2022 impact factor= 5.6), 2020-2022

Chair, Tengtou Agricultural Science Award Committee, Agronomy Society of America, 2022, 2024
Member, Tengtou Agricultural Science Award Committee, Agronomy Society of America, 2020, 2021

Member, Crop Science Society of America and Agronomy Society of America

Invited Expert to advise the national cotton breeding program in Sudan, FAO-IAEA, 1998

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

Guest Professor, Southwest University, Chongqing, China, 2012

Guest Professor, Xinjiang Agricultural University, 2013

Invited Expert to give seminars in the following organizations in China, 2004-2023:

Institute of Crop Science, Chinese Academy of Agricultural Sciences, Beijing

China Agricultural University, Beijing

Institute of Plant Physiology and Ecology, Chinese Academy of Science, Shanghai

Shanghai Jiaotong University, Shanghai

Nanjing Agricultural University, Nanjing

Zhejiang University, Hangzhou

Zhejiang Agricultural Academy of Sciences, Hangzhou

Zhejiang A & F University, Hangzhou

Central China Agricultural University, Wuhan

Institute of Oilseed Research, Chinese Academy of Agricultural Sciences, Wuhan

Hubei Agricultural Academy of Sciences, Wuhan

Jinzhou Agricultural Academy of Sciences, Jinzhou

Southwest University, Chongqing

Agricultural University of Hebei, Baoding

Hebei Agricultural Academy of Sciences, Shijiazhuang

Institute of Cotton Research, Chinese Academy of Agricultural Sciences, Anyang

Northwest A & F University, Yangling

Xinjiang Agricultural University, Urumqi

Xinjiang Academy of Agricultural Sciences, Urumqi

Xinjiang Academy of Agricultural and Reclamation Sciences, Shihezi

Shihezi University, Shihezi

At New Mexico State University

Senator, Faculty Senate, 2012-2015

Member, Leadership Team, Cotton Task Force, New Mexico, 2009-2012

Member, Crop Variety Release Committee, 2003- present

Chair, Department Faculty Promotion and Tenure Committee, 2020-2022

Chair, Department Scholarship Committee, 2018

Chair, Department Awards Committee, 2014-2015

Chair, Department Graduate Studies Committee, 2012-2013

Chair, Search Committee, Chile Pepper Genetics and Breeding faculty position, 2019-2020

Chair, Search Committee, Sustainable Crop Production faculty position, 2007-2008

Member, Search Committee, Crop Physiology faculty position in Clovis, 2005

Member, Department Faculty Promotion and Tenure Committee, 2015- present

Member, Department Scholarship Committee, 2019-2021

Member, Department Awards Committee, 2019-2021

Member, Department Graduate Studies Committee, 2004-2005

Member, Department Undergraduate Student Recruitment and Retention Committee, 2008-2011

Member, Department Curriculum Committee, 2003-2010

National

Member, National Cotton Variety Testing Committee

Member, West Regional Cotton Variety Testing Subcommittee

Member, National Pima Variety Testing Subcommittee