

主要从事小麦遗传育种方面的研究，从小麦近缘种中发掘和利用有益基因，定位和克隆控制小麦重要抗病、产量相关的基因，研究遗传调控机制。主持国家自然科学基金、江苏省自然科学基金等项目，参与国家重点研发计划、国家转基因专项等课题研究。发表或参与SCI论文40余篇，专利3项。

近5年研究论文（#为同等贡献作者，*为通讯作者）

(1) **Xiao J**^(#), Chen Y^(#), Lu YF^(#), et al (2021). A natural variation of an SVP MADS-box transcription factor in *Triticum petropavlovskyi* leads to its ectopic expression and contributes to elongated glume. *Molecular Plant*. doi.org/10.1016/j.molp.2021.05.022

(2) Jia Zhao, Heng Zhang, Xu Zhang, Zongkuan Wang, Ying Niu, Yiming Chen, Li Sun, Haiyan Wang, Xiue Wang and **Jin Xiao***. The exocyst complex subunit EXO70E1-V from *Haynaldia villosa* interacts with wheat powdery mildew resistance gene CMPG1-V. *Front. Plant Sci.* doi: 10.3389/fpls.2021.652337

(3) Zhao J, Zhang X, Wan W, Zhang H, Liu J, Li M, Wang H, **Xiao J**^(*), Wang X^(*). Identification and Characterization of the EXO70 Gene Family in Polyploid Wheat and Related Species. *International Journal of Molecular Sciences*, 2018, 20:60

(4) Zhao K^(#), **Xiao J**^(#), Liu Y, Chen S, Yuan C, Cao A, You FM, Yang D, An S, Wang H^(*), Wang X^(*). Rht23 (*5Dq*') likely encodes a *Q* homeologue with pleiotropic effects on plant height and spike compactness. *Theoretical and applied genetics*, 2018, 131:1825-1834

(5) **Xiao J**, Dai K, Fu L, Vrána J, Kubaláková M, Wan W, Sun H, Zhao J, Yu C, Wu Y, Abrouk M, Wang H, Doležel J, Wang X^(*). Sequencing flow-sorted short arm of *Haynaldia villosa* chromosome 4V provides insights into its molecular structure and virtual gene order. *BMC Genomics*, 2017, 18:791

(6) **Xiao J**, Chen X, Xu Z, Guo J, Wu Z, Wang H, Zhu X, Nie M, Bie T, Cheng S, Zhu T, Luo M, You FM, Wang X^(*). Validation and diagnostic marker development for a genetic region associated with wheat yellow mosaic virus resistance. *Euphytica*, 2016, 211:91-101

(7) Sun Y^(#), **Xiao J**^(#), Jia X, Ke P, He L, Cao A, Wang H, Wu Y, Gao X, Wang X^(*). The role of wheat jasmonic acid and ethylene pathways in response to *Fusarium graminearum* infection. *Plant Growth Regulation*, 2016, 80:69-77

(8) You FM, **Xiao J**, Li PC, Yao Z, Jia GF, He LQ, Zhu TT, Luo MC, Wang X, Deyholos MK, Cloutier S. Chromosome-scale pseudomolecules refined by optical, physical and genetic maps in flax. *Plant Journal* 2018, 95(2):371-384.

(9) Chen T^(#), **Xiao J**^(#), Xu J, Wan W, Qin B, Cao A, Chen W, Xing L, Du C, Gao X, Zhang S, Zhang R, Shen W, Wang H^(*), Wang X^(*). Two members of TaRLK family confer powdery mildew resistance in common wheat. *BMC plant biology* 2016, 16:27.

(10) **Xiao J**, Sekhwal M, Li P, Ragupathy R, Cloutier S, Wang X, You F^(*). Pseudogenes and Their Genome-Wide Prediction in Plants. *International Journal of Molecular Sciences* 2016, 17(12):1991.

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