

王海燕

个人简历

1994.9–1998.7, 西北农业大学, 获农学学士。

1998.9–2001.7, 西北农林科技大学, 获农学硕士。

2001.9–2005.6, 南京农业大学, 获农学博士。

2005.6 至今, 南京农业大学农学院, 讲师, 副教授, 教授。

2017.11–2018.12, 美国密西根州立大学植物生物学系, 访问学者。

研究方向

麦类分子细胞遗传学和基因组学。研究内容涉及小麦种质创新、重要基因挖掘和分子育种。

教学工作

承担本科生“细胞遗传学”、研究生“细胞遗传学”“细胞遗传学实验”等教学工作。

研究课题

主持国家自然科学基金, 国家重点研发计划子任务, 江苏省自然科学基金等项目。

发表的主要论文

1. Tingting Chen, Jin Xiao, Jun Xu, Wentao Wan, Bi Qin, Aizhong Cao, Wei Chen, Liping Xing, Chen Du, Xiquan Gao, Shouzhong Zhang, Ruiqi Zhang, Wenbiao Shen, **Haiyan Wang**^{*} and Xiue Wang^{*}. Two members of TaRLK family confer powdery mildew resistance in common wheat. *BMC Plant Biology*, 2016, 16:27
2. **Haiyan Wang**[#], Keli Dai[#], Jin Xiao, Chunxia Yuan, Renhui Zhao, Jaroslav Doležel, Yufeng Wu, Aizhong Cao, Peidu Chen, Shouzhong Zhang, and Xiue Wang. Development of intron targeting (IT) markers specific for chromosome arm 4VS of *Haynaldia villosa* by chromosome sorting and next-generation sequencing. *BMC Genomics*, 2017, 18:167.
3. Tao Xu, Nengfei Bian, Mingxing Wen, Jin Xiao, Chunxia Yuan, Aizhong Cao, Shouzhong Zhang, Xiue Wang^{*}, **Haiyan Wang**^{*}. Characterization of a common wheat (*Triticum aestivum* L.) high-tillering dwarf mutant. *Theoretical and Applied Genetics*. 2017, 130:483-494
4. Xiangdong Zhang, Xing Wei, Jin Xiao, Chunxia Yuan, Yufeng Wu, Aizhong Cao, Liping xing, Peidu Chen, Shouzhong Zhang, Xiue Wang^{*}, **Haiyan Wang**^{*}. Whole genome development of intron targeting (IT) markers specific for *Dasypyrum villosum* chromosomes based on next-generation sequencing technology. *Molecular Breeding*, 2017, 37:115
5. Lingna Kong, Xinying Song, Jin Xiao, Haojie Sun, Keli Dai, Caixia Lan, Pawan Singh, Chunxia Yuan, Shouzhong Zhang, Ravi Singh, **Haiyan Wang**^{*}, Xiue Wang^{*}. Development and characterization of a complete set of *Triticum aestivum*–*Roegneria ciliaris* disomic addition lines. *Theoretical and Applied Genetics*, 2018, 131:1793-1806

6. Haojie Sun, Jing Jing Song, Jin Xiao, Tao Xu, Xing Wei, Chunxia Yuan, Aizhong Cao, Liping Xing, **Haiyan Wang**^{*}, Xiue Wang^{*}. Development of EST-PCR markers specific to the long arm of chromosome 6V of *Dasypyrum villosum*. Journal of Integrative Agriculture, 2018, 17(8): 1720-1726
7. Haojie Sun, Jingjing Song, Jia Lei, Xinying Song, Keli Dai, Jin Xiao, Chunxia Yuan, Shengmin An, **Haiyan Wang**^{*}, Xiue Wang^{*}. Construction and application of oligo-based FISH karyotype of *Haynaldia villosa*. Journal of Genetics and Genomics, 2018, 45:463-466
8. Kaijun Zhao, Jin Xiao, Yu Liu, Shulin Chen, Chunxia Yuan, Aizhong Cao, Frank M. You, Donglei Yang, Shengmin An, **Haiyan Wang**^{*}, Xiue Wang^{*}. Rht23 (5Dq') likely encodes a Q homeologue with pleiotropic effects on plant height and spike compactness. Theoretical and Applied Genetics, 2018, 131:1825-1834
9. Keli Dai, Renhui Zhao, Miaomiao Shi, Jin Xiao, Zhongyu Yu, Qi Jia, Zongkuan Wang, Chunxia Yuan, Haojie Sun, Aizhong Cao, Ruiqi Zhang, Peidu Chen, Yingbo Li, **Haiyan Wang**^{*}, Xiue Wang^{*}. Dissection and cytological mapping of chromosome arm 4VS by the development of wheat-*Haynaldia villosa* structural aberration library, Theoretical and Applied Genetics, 2020, 133, 217-226
10. Xinying Song, Rongrong Song, Jiawen Zhou, Wenkai Yan, Tao Zhang, Haojie Sun, Jin Xiao, Yufeng Wu, Mengli Xi, Qunfeng Lou, **Haiyan Wang**^{*}, Xiue Wang^{*}. Development and application of oligonucleotide-based chromosome painting for chromosome 4D of *Triticum aestivum* L. Chromosome Res, 2020, 28(2):171-182
11. Jia Lei, Jiawen Zhou, Haojie Sun, Wentao Wan, Jin Xiao, Chunxia Yuan, Miroslava Karafiátová Jaroslav Doležel, **Haiyan Wang**^{*}, Xiue Wang. Development of oligonucleotide probes for FISH karyotyping in *Haynaldia villosa*, a wild relative of common wheat. The Crop Journal, 2020, doi.org/10.1016/j.cj.2020.02.008

办公地址：理科楼 A318

办公电话：025-84395344

电子邮箱：hywang@njau.edu.cn