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PERSONAL INFORMATION

Date of Birth: Feb. 20, 1970 Gender: male

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COMMUNICATION

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EDUCATION

PhD. 9/1999-7/2002 Institute of biotechnology, Zhejiang University,China

Master. 9/1993-7/1996 College of horticulture, Shanxi Agricultural University, China

Bachelor. 9/1989-7/1993 College of horticulture, Shanxi Agricultural University, China

EXPERIENCE

Professor: Shanxi University, 2007, 9- Present

Visiting scholar, Cardiovascular & Metabolic Research Unit, lakehead university, Canada；2009.12-2010.6

Postdoctoral Research Fellow: Institute of Genetics and Development Biology, Chinese Academy of Sciences, China, 2004, 12-2008, 3

Associate Professor: Shanxi University, 2004, 9-2007, 9

Lecturer Position: Shanxi University, 1999, 9-2004, 9

ONGOING PROFESSIONAL ACTIVITIES

Vice Dean, School of Life Science, Shanxi University, 2008.10-2017.7

GRANTS (as project manager)：

1 Mechnism of Ca^{2+} on gasotransmitter H2S to enhance the tolerance of heavy metal chromium（Cr^{6+}） stress in *Setaria italica*，(National Natural Science Foundation of China (NSFC), 31671605), 2017.1-2020.12

2 The regulation and application of H_2S in crucifer flowering (Research Project Supported by Shanxi Scholarship Council of China, 2016-008), 2016.6.15-2019.6.30

3 Project of Science and technology consulting in enterprise. Productivity Promotion Center of Taiyuan. 2015.8-2016.8

4 Development of new germplasm of controllable flower chrysanthemum and its supporting production technology (Scientific and technological project of Shanxi province, 20150311011-3), 2015.1-2017.12

5 The Influence of Protein Arginine Methylation on the Flowering Time Regulation by the Gasotransmitter H_2S in Chinese Cabbage. (National Natural Science Foundation of China (NSFC), 31372085), 2014.1-2017.12

6 Grand Science And Technology Special Project of Shanxi Province（20121101009） 2012-2012;

7 Large-scale screening of Cadmium response mutants and the gene function identification in Arabidopsis, (Research Project Supported by Shanxi Scholarship Council of China, 2011-007), 2011.1-2013.12

8 The function of cytoplasmic male sterility related gene T and the application in cabbage breeding. (National Natural Science Foundation of China (NSFC), 31071809,), 2011.1-2013.12

9 The regulation of the alternative intron TinII of T gene in Tuber mustard (Research Fund for the Doctoral Program of Higher Education of China, 20091401110004,), 2010.1-2012.12，

10 Large-scale screening of Cadmium tolerant mutants (Program for the Top Young Academic Leaders of Higher Learning Institutions of Shanxi, China (TYAL), 200906), 2009.1-2011.12

11 Study on new type of flowering controlled chrysanthemum germplasm (Scientific and technological project of Shanxi province, 20090311014), 2009.1-2011.12

12 Promoter characteristics of T gene, a cytoplasmic male sterility related gene, and different functions of its transcripts (NSFC, 30840057)，2009.1-2009.12

13 Function of alternative trancripts and type II intron of cytoplasmic male sterility related gene T. (National Natural Science Foundation of China (NSFC), 30571195)， 2006.1-2008.12

14 Function of alternative trancripts of cytoplasmic male sterility related gene T. (NSFC, 30300239)，2004.1-2004,12

15 Cloning, expression and purification of DNA polymerase (Natural Science Foundation of Shanxi Province，20041031)，2004.1-2006.12

16 The function of histone acetyltransferase AtHAC1 in the Regulation of Flowering Time (China Postdoctoral Science Foundation，2005038407)，2006.1-2007.12

MAIN PUBLICATIONS

In English（*corresponding author）

1. Yanjie Zhang, Amr Ali, Zhuping Jin, **Yanxi Pei*,** Guangdong Yang*. Induction of cystathionine gamma-lyase expression and metallothionein-1 S-sulfhydration alleviate admium-induced cell death in myoblast cells. ***Ecotoxicology and Environmental Safety*** **(sci IF 3.97，二区)** . 2019, 179: 222-231

2. Danmei Liu, Juan Li, Juanjuan Lu, Baohua Tian, Xin Liu, Guangdong Yang, **Yanxi Pei***. Cloning and functional analysis of four O-Acetylserine (thiol) lyase family genes from *foxtail millet*. ***Plant Physiology and Biochemistry*** **(sci IF 2.7，三区)**. 2019, 139: 325-332

3. Zhiqiang Liu, Yawen Li, Chunyu Cao, Shan Liang, Yongshuo Ma, Xin Liu, **Yanxi Pei***. The role of H_2S in low temperature-induced cucurbitacin C increases in cucumber. ***Plant Molecular Biology*** **(sci IF 3.5，二区)**. 2019, 99: 535-544

4. Butuo Zhu, Hui Li, Jiangqi Wen, Kirankumar S. Mysore, Xianbing Wang, **Yanxi Pei**, Lifang Niu* and Hao Lin*. Functional Specialization of Duplicated *AGAMOUS* Homologs in Regulating Floral Organ Development of Medicago truncatula. ***Frontier in plant science*** **(sci IF 4.29，二区)**. Article 854. doi: 10.3389/fpls.2018.00854

5. Danmei Liu, Juanjuan Lu, Hui Li, Juanjuan Wang, **Yanxi Pei***. Characterization of the O-acetylserine(thiol)lyase gene family in *Solanum lycopersicum* L. ***Plant Molecular Biology***. **(sci IF 3.5，二区)**, 2019, 99: 123–134

6. Xinzhe Du, Zhuping Jin, Liping Zhang, Xin Liu, Guangdong Yang, **Yanxi Pei***. H_2S is involved in ABA-mediated stomatal movement through MPK4 to alleviate drought stress in *Arabidopsis thaliana*. **Plant Soil (sci IF 3.2, 一区)**. 2019, 435(1): 295-307

7. Zhuping Jin, Limin Sun, Guangdong Yang* and **Yanxi Pei***. Hydrogen sulfide regulates energy production to delay leaf senescence induced by drought stress in Arabidopsis. ***Frontiers in plant science*** **(sci IF 4.29，二区)**. 2018, 9:1722. doi: 10.3389/fpls.2018.01722

8. Xinzhe Du, Zhuping Jin, Danmei Liu, Guangdong Yang, **Yanxi Pei***. Hydrogen sulfide alleviates the cold stress through MPK4 in Arabidopsis thaliana. ***Plant Physiology and Biochemistry*** **(sci IF 2.8，三区).** 2018, 120 : 112-119；

9. Butuo Zhu, Hui Li, Yifeng Hou, Pengcheng Zhang, Xiuzhi Xia, Na Wang, Hui Wang, Mysore Kirankumar S, Jiangqi Wen, **Yanxi Pei**, Lifang Niu, Hao Lin. AGTFL controls floral organ identity and inflorescence development in *Medicago truncatula*. ***Journal of integrative plant biology*** **(sci IF 3.1，二区)**. 2019. DOI:10.1111/jipb.12799.

10. Zhuping Jin, Zhiqing Wang，Guangdong Yang，**Yanxi Pei***. Diversity of hydrogen

sulfide concentration in plant: a little spark to start a prairie fire. ***Science Bulletin*** **(sci IF 4.2，三区)**. 2018, 63: 1314–1316

11. Caitlyn Bourque, Yanjie Zhang, Ming Fu, Mélani Racine, Adam Greasley, **Yanxi Pei**, Lingyun Wu, Rui Wang, Guangdong Yang. H_2S protects lipopolysaccharide-induced inflammation by blocking NFκB transactivation in endothelial cells. ***Toxicology and Applied Pharmacology*** **(sci IF 3.8, 二区)**. 2018, 338(1): 20-29

12. Guangdong Yang*, Youngjun Ju, Ming Fu, Yanjie Zhang, **Yanxi Pei**, Mélanie Racine, Simran Baath, Thomas J.S. Merritt, Rui Wang, Lingyun Wu. Cystathionine gamma-lyase/hydrogen sulfide system is essential for adipogenesis and fat mass accumulation in mice. ***BBA - Molecular and Cell Biology of Lipids*** **(sci IF5.6, 二区)**. 2018, 1863: 165–176

13. Zhuping Jin, Zhiqing Wang, Qingxia Ma, Limin Sun, Liping Zhang, Zhiqiang Liu, Danmei Liu, Xuefeng Hao, Yanxi Pei*. Hydrogen sulfide mediates ion fluxes inducing stomatal closure in response to drought stress in Arabidopsis thaliana. ***Plant and soil.*** **(sci IF 3.2, 一区) 2017**，DOI: 10.1007/s11104-017-3335-5

14. Huihui Fang, Zhiqiang Liu, Yanping Long, Yali Liang, Zhuping Jin, Liping Zhang, Danmei Liu, Hua Li, Jixian Zhai* and Yanxi Pei*. The Ca^{2+}/CaM2 binding transcription factor TGA3 elevates LCD expression and H_2S production to bolster Cr^{6+} tolerance in Arabidopsis. Plant Journal **(sci IF 5.9, TOP)**, 2017，DOI: 10.1111/tpj.13627

15. Baohua Tian, Yanjie Zhang, Zhuping Jin, Zhiqiang Liu, Yanxi Pei*. Role of hydrogen sulfide in the methyl jasmonate response to cadmium stress in *foxtail millet*. ***Frontiers in Bioscience Landmark*** **(sci IF 3.5, 二区)**, 2017, 22: 530-539

16. Xiaoli Ma, Zhen Zhu, Yane Li, Guangdong Yang, and Yanxi Pei *. Expressing a modified Cowpea trypsin inhibitor gene in Chinese Cabbage to increase the insect tolerance against *Pieris rapae*. ***Horticulture, Environment, and Biotechnology*****(sci IF 0.81，sci 四区).** 2017, 58(2):195-202

17. Guangdong Yang, Alp Sener, Yong Ji, **Yanxi Pei**, and Michael D. Pluth. Gasotransmitters in Biology and Medicine: Molecular Mechanisms and Drug Targets, ***Oxidative Medicine and Cellular Longevity*** **(sci IF 4.5，二区)**，2016, Article ID 4627308

18. Baohua Tian, Zengjie Qiao, Liping Zhang, Hua Li, Yanxi Pei* Hydrogen Sulfide and Proline Cooperate to Alleviate Cadmium Stress in Foxtail Millet Seedlings. ***Plant Physiology and Biochemistry*** **(sci IF 2.8，三区).** 2016, 109: 293-29**9**

19. Zhuping Jin, Yanxi Pei* Hydrogen sulfide: the shutter button of stomata in plants. ***Science China Life Sciences*** **(sci IF 2.0，四区)** 2016，59(11): 1187-1188**.**

20. Huihui Fang, Zhiqiang Liu, Zhuping Jin, Liping Zhang, Danmei Liu, Yanxi Pei*.An emphasis of hydrogen sulfide-cysteine cycle on enhancing the tolerance to chromium stress in Arabidopsis. ***Environmental Pollution.*** **(sci IF 4.8, 二区).** 2016, 213: 870-877

21. Zengjie Qiao, Tao Jing, Zhiqiang Liu, Liping Zhang, Zhuping Jin, Danmei Liu, Yanxi Pei* CDPKs enhance Cd tolerance through intensifying H_2S signal in Arabidopsis thaliana ***Plant and soil.*** **(sci IF 3.2, 一区，TOP)**, 2016, Plant and Soil, 398(1), 99-110

22. Zengjie Qiao, Tao Jing, Zhiqiang Liu, Liping Zhang, Zhuping Jin, Danmei Liu, Yanxi Pei*. H_2S acting as a downstream signaling molecule of SA regulates Cd tolerance in *Arabidopsis*. ***Plant and soil.*** **(sci IF 3.2, 一区，TOP)**, 2015, 393 (1): 137-146

23. Zhiqiang Liu, Huihui Fang, Yanxi Pei*, Zhuping Jin, Liping Zhang, & Danmei Liu. WRKY transcription factors downregulate the expression of H_2S-generating genes, *LCD* and *DES* in *Arabidopsis thaliana*. ***Science Bulletin,*** **(sci IF 1.3，三区)** , 2015, 60(11): 995–1001

24. Zhuping Jin, Yanxi Pei* Physiological implications of hydrogen sulfide--Pleasant exploration behind its unpleasant odour. ***Oxidative Medicine and Cellular Longevity*** **(sci IF 3.4，二区)**，2015, Article ID 397502, doi:10.1155/2015/397502

25. Liping Zhang, Hongjiao Wang, Zhuping Jin, Zhiqiang Liu, Zengjie Qiao, Huihui Fang, Yanjie Zhang, Yanxi Pei* Hydrogen Sulfide Alleviates Cadmium-induced Cell Death through Restraining ROS Accumulation in Roots of *Brassica rapa* L. *ssp. Pekinensis*. ***Oxidative Medicine and Cellular Longevity*** **(sci IF 3.4，二区)**，2015, Article ID 804603,. doi:10.1155/2015/804603

26. Guangdong Yang, Steven S. An, Yong Ji, Weihua Zhang, and **Yanxi Pei.** Hydrogen Sulfide Signaling in Oxidative Stress and Aging Development," ***Oxidative Medicine and Cellular Longevity,*** **(sci IF 3.4，二区)**，2015, Article ID 357824, doi:10.1155/2015/357824.

27. Huihui Fang, Tao Jing, Zhiqiang Liu, Liping Zhang，Zhuping Jin & Yanxi Peia* Hydrogen sulfide interacts with calcium signaling to enhance the chromium tolerance in Setaria italica. ***Cell Calcium*** **(sci IF 4.3，二区)**, 2014, 56: 472-481;

28. Yanxi Pei, Lifang Niu, Falong Lu, XiaoFeng Cao*. Mutations in the Type II Protein Arginine Methyltransferase AtPRMT5 Result in Pleiotropic Developmental Defects in Arabidopsis thaliana. ***Plant Physiology*** **(sci IF 6.2，二区, TOP)**. 2007, 144: 1913-1923

29. Jiejie Shen, Tongji Xing, Huihong Yuan, Zhiqiang Liu, Zhuping Jin, Liping Zhang and **Yanxi Pei***. Hydrogen sulfide improves drought tolerance in Arabidopsis thaliana by microRNA pathways. ***PloS one*** **(sci IF 3.8，二区，TOP)**, 2013, 8 (10): e77047；

30. ZhuPing Jin, LingLing Wu, JiaShu Cao, ZhuJun Chen, **Yanxi Pei***. TinII intron, an enhancer to affect the function of the cytoplasmic male sterility related gene T in Brassica juncea. ***Science China Life Sciences*** **(sci IF 2.0，四区)**, 2013, 56 (12): 1107–1112；

31. Zhuping Jin, Shaowu Xue, Baohua Tian, Huihui Fang, Hua Li, **Yanxi Pei***, Hydrogen sulfide interacting with abscisic acid in stomatal regulation responses to drought stress in Arabidopsis. ***Plant Physiology and Biochemistry*** **(sci IF 2.8，三区). 2013,** 62 : 41-46；**（ESI high cited）**

32. JieJie Shen, Zengjie Qiao, Tongji Xing, Liping Zhang, Yali Liang, Zhuping Jin, Guangdong Yang, **Yanxi Pei*** Cadmium toxicity is alleviated by AtLCD and AtDCD in *Escherichia coli*. ***Journal of applied microbiology*** **(sci IF 2.5，三区).** 2012, 113: 1130-1138;

33. **Yanxi Pei**, Bo Wu, Qiuhui Cao, Lingyun Wu. Guangdong Yang, Hydrogen sulfide mediates the anti-survival effect of sulforaphane on human prostate cancer cells, ***Toxicology and Applied Pharmacology*** **(sci IF 4.447，二区)**. 2011, 257: 420-428

34. Zhuping Jin, Jiejie Shen, Zengjie Qiao, Guangdong Yang, Rui Wang*, **Yanxi Pei*.** Hydrogen sulfide improves drought resistance in *Arabidopsis thaliana*. ***Biochemical and Biophysical Research Communications*** **(sci IF 2.6，三区).** 2011, 414: 481-486

35. Guangdong Yang, **Yanxi Pei**, Qiuhui Cao, Rui Wang. Specificity protein-1 as a critical regulator of human cystathionine gamma-lyase expression in smooth muscle cells. ***Journal of Biological Chemistry*** **(sci IF 5.52，二区，TOP)**, 2011 286: 26450-26460

36. Yawei Li, Zehua Gong, Yao Mu, Yixian Zhang, Zengjie Qiao, Liping Zhang, Zhuping Jin, Hua Li, **Yanxi Pei*.** An Arabidopsis mutant atcsr-2 exhibits high cadmium stress sensitivity involved in the restriction of H_2S emission. ***J Zhejiang University-SCIENCE B (Biomedicine & Biotechnology)*** **(sci IF 1.1，四区).**2012, 13 (12): 1006-1014;

37. Ju Youngjun; Zhang Weihua; **Pei Yanxi**; Yang Guangdong. H2S signaling in redox regulation of cellular functions. ***Canadian Journal of Physiology and Pharmacology.*** **(sci IF 2.0，四区).** 2012, 91: 8–14;

38. Guangdong Yang, **Yanxi Pei**, Qiuhui Cao, Rui Wang. MicroRNA-21 represses human cystathionine gamma-lyase expression by targeting at specificity protein-1 in smooth muscle cells, ***Journal of Cellular Physiology*** **(sci IF 4.586，二区)**, 2012 227: 3192-3200.

39. Wang C, Li HY, Zhang LY, **Pei YX** and Wang YQ. Identification of an AFLP marker and conversion to a SCAR marker to identify cytoplasm male-sterile and normal cytoplasm in Welsh onion (Allium fistulosum L.). ***The Journal of Horticultural Science & Biotechnology*** **(sci IF 0.54，四区)**, 2013, 88(4):409-414

40. Xian Deng, Lianfeng Gu,Chunyan Liu, Tiancong Lu, Falong Lu, Zhike Lu, Peng Cui, **Yanxi Pei,** Baichen Wang, Songnian Hu, and Xiaofeng Cao. Arginine Methylation Mediated by AtPRMT5 is Essential for Proper Pre-mRNA Splicing, ***PNAS*** **(sci IF 9.58，一区)**, 2010, 107: 19114-19119

41. **Yanxi Pei *,** Zengjie, Qiao Xuejun Chen, Zhujun Chen, Jiashu Cao, Xin Yu, Lihua Ma, Xiaohui Liu. *T1243,* an alternative transcript of the mitochondrial T gene in Brassica juncea var. tumida, causes pollen abortion in Arabidopsis thaliana. ***Plant science*** **(sci IF 1.98，三区)**, 2008, 175: 793-798

42. Lifang Niu, Yong Zhang, **Yanxi Pei**, Chunyan Liu, and Xiaofeng Cao*. Redundant Requirement for a Pair of Protein Arginine Methyltransferase 4 Homologs for the Proper Regulation of Arabidopsis Flowering Time. ***Plant Physiology*** **(sci IF 6.2，二区，TOP)**, 2008, 148:490-503

43. Haitao Dong, Xiaoqin Guo, **Yanxi Pei,** Chenen Dai. Multiple splicing types of OsRIX4, an RAD21 homolog in rice (Oryza sativa L.). ***Chinese science bulletin*** **(sci IF 0.79, 三区)**, 2007, 52(11):1468-1474

44. WeiWei Deng, Chunyan Liu, **YanXi Pei**, Xian Deng, and Xiaofeng Cao*. Involvement of the Histone Acetyltransferase AtHAC1 in the Regulation of Flowering Time via Repression of *FLC* in Arabidopsis. ***Plant Physiology*** **(sci IF 6.2，二区，TOP)**. 2007, 143: 1660-1667

45. Lifang Niu, Falong Lu, **YanXi Pei**, XiaoFeng Cao*. Regulation of flowering time by a Protein Arginine Methyltransferase. AtPRMT10. ***EMBO Report*** **(sci IF 8.2，一区).** 2007, 8: 1190-1195.

46. Yanxi Pei*, Zhujun Chen, Jiashu Cao, Xuejun Chen, Xiaohui Liu. The Cytoplasmic Male Sterility of Tuber Mustard is Associated With the Alternative Spliced Mitochondrial T Gene Transcripts. ***Chinese Science Bulletin*** **(sci IF 0.79，三区)**, 2004, 49 (23): 2481-2486

In Chinese

1. Pei Yanxi*, He Feng, Xie Mengjie, Shao Qi, Jin Zhuping. Effects of gasotransmitters NO and H2S on photosynthesis of Chinese Cabbage seedlings under chilling stress. Journal of Shanxi University (Nat. Sci. Ed.) 2017, 40(3): 596-601

2. Xie Mengjie, He Feng, Zhang Liping, Liu Danmei, Pei Yanxi*. Effects of H2S and NO on resistance to high temperature stress in Chinese cabbage. Journal of Agro-Environment Science, 2018, 37(6):1079-1085

3. Yanjie Zhang, Danmei Liu, Yanxi Pei* .The effects of exogenous hydrogen sulfide on growth and development in tomato. Natural Science Edition. 2017,37(11):774-779

4. Huihui Fang, Yanxi Pei*. Physiological Functions of Gasotransmitter Hydrogen Sulfde in Plant Defense Against Heavy Metals Stress.Chinese Journal of Cell Biology. 2017,39(6): 819-825

5. Limin Sun, Yanxi Pei, Zhiqiang Liu*. Relationship between H2S Signal and WRKY in ABA Regulating Root Growth and Stomatal Movement.Bulletin of Botanical Research. 2016,36(1):97-104

6. Qiaoli Jing， Xiaoli Ma，Yanxi Pei*. The genetic transformation of Chinese cabbage with DES1 gene. Natural Science Edition. 2017,37(3):177-182

7. Pei Yanxi. Gasotransmitter Hydrogen Sulfide in Plants: Stinking to High Heaven, but Refreshing to Fine Life. Chinese Journal of Biochemistry and Molecular Biology, 2016, 32(7): 721-733.

8. Liu Danmei, Zhang Yanjie, Pei Yanxi. Characterization of the Alternative Splicing of *Lemads1* in Tomato MADS-box[J]. Chinese Journal of Biochemistry and Molecular Biology, 2016, 32(6): 641-648.

9. Liu Danmei, Zhang Yanjie, Pei Yanxi*. Characterizing the JOINTLESS/ MACROCALYX/SLMBP21 Multi-gene Overexpression Transgenic Plant of Tomato. Chinese Journal of Cell Biology, 2016, 38(5): 557- 565

10. Qiao Zengjie, Wang Ting, Jin Zhuping, Liu Zhiqiang, Pei Yanxi*. Hydrogen sulfide Mediates Cd^{2+} induced Stomatal Closure in *Arabidopsis thaliana*[J]. Journal of Shanxi University (Nat.Sci.Ed.),2016, 39(1): 146-151.

11. Zhang Liping, Liu Zhiqiang, Jin Zhuping, Liu Danmei, Qiao Zengjie, Fang Huihui, Du Xinzhe, Pei Yanxi*. Regulation of H_2S on Cd-induced osmotic stress in roots of Chinese cabbage seedling[J]. Journal of Agro-Environment Science, 2015, 35(2): 247-252.

12. Liu Zhi-Qiang，Pei Yan-Xi*，Fang Hui-Hui，Tian Bao-Hua，H_2S Regulates Setaria Italic Responsing to Stress by Protein S-sulfhydration. Chinese journal of biochemistry and molecular biology. 2015, 31(1): 1085-1091

13. Wang Chan, Zhao Hong, Zhang Liying, Pei Yanxi*, Wang Yongqin*. RFLP Analysis of Mitochondrial Genomes of Cytoplasmic Male Sterile Lines and Maintainer Lines in Welsh

Onion (*Allium fistulosum* L.) Journal of agricultural biotechnology. 2105. 23(7): 888-893

14. Hongjiao Wang, Liping Zhang, Zhiqiang Liu, Zhuping Jin, Danmei Liu & Yanxi Pei* nfluence of H2S on Growth and Photosynthesis of Brassica rapa var. pekinensis Responding to Chilling Stress. **Acta Botanica Boreali-occidentalia Sinica**, 2015, 35(4)780-786;

15. Hongjiao Wang, Liping Zhang, Zhiqiang Liu, Zhuping Jin, Danmei Liu & Yanxi Pei* Effects of Exogenous H2S on Oxidative Damage in Brassica rapa pekinensis Responding to Chilly Stress. **Journal of Shanxi University** (Natural Science Edition), 2015, 38(2): 355-360;

16. ZhuPing Jin, LingLing Wu, JiaShu Cao, ZhuJun Chen, **YanXi*** PEI. TinII intron, an enhancer to affect the function of the cytoplasmic male sterility related gene T in Brassica juncea. ***Science China (C)***, 2014, 44(1):39-44

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19. Tian Baohua, Wang Yongqin, **Pei Yanxi***.Phylogenetic relationships of Allium L.inferred by nuclear Rdna ITS Sequence Analysis, Journal of plant genetic resources, 2013, 36 (2): 261-266

20. Jin Zhuping，Pei Yanxi. Research Progress on Hydrogen Sulfide Signaling in Plants. ***Chinese journal of cell biology***, 2013, 35(6): 880-888;

21. Jin Zhuping, Fang Hui-hui, Zhang Li-ping, Luo Ya-nan, Qiao Zeng-jie, Gong Ze-hua, Pei Yanxi. Physiological Effects of Hydrogen Sulfide under Drought Stress in Arabidopsis thaliana. Journal of shanxi university. 2013, 36(1): 113-117;

22. Wang Chan, Tian Baohua, PEI Yanxi*, Wang Yongqin*. A Rapid Method for Extracting DNA in Allium. Letters in biotechnology, 2012, 23(6): 860-862+890.

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24. **Pei Yanxi**, Gong Zehua, Li Yawei, Qiao Zeng-jie, Mu Yao. Isolation and Phenotype Analysis of A Cd Sensitive Mutant of Arabidopsis thaliana. Journal of Shanxi University, 2012, 35(2): 400-405.

25. Li Ya-Wei, Mu Yao, Gong Ze-Hua, **Pei Yanxi**. An Arabidopsis mutant F9c22.6 is sensitive to drought and heat stress. Journal of Shanxi University, 2012, S1

26. Wang Yijuan, Yu Xin, **Pei Yanxi***. Establishment of Regeneration System of Dendranthema *grandiflorum (Ramat) Kitamura*. Journal of Shanxi University, 2012, 35(1): 130-134.

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grandiflorum (Ramat) Kitamura. China Science Paper Online, http://www.paper.edu.cn, 2011.9.23

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29. Qiao Zengjie, Yu Xin, Jin Zhuping, **Pei Yanxi***. Advances in Hyperaccumulator Research of Cadmium in Plant. China Science Paper Online, http://www.paper.edu.cn, 2010.10.12

30. Yu Xin, Qiao Zengjie, **Pei Yanxi** *, Advances in Chrysanthemum molecular breeding, Letters in biotechnology, 2010, 21(2): 284-289

31. Ma Lihua, Zhang Longxia, Yu Xin, Qiao Zengjie, Tian Baohua, Wang Yijuan, **Pei Yanxi***. Establishment of efficient regeneration systerm and reversion of vitrification of Wanshuhong. Journal of Shanxi University(Nat. Sci. Ed), 2009, 32 (S2): 79-84

32. **Pei Yanxi*,** Liu Xiaohui, Hao Jianping. Transcription and post transcription process in plant Mitochondria. China Biotechnology, 2004, 24 (6):19-22

33. Pei Yanxi*, Li Debao, Zhuang Xiaofeng, Dai Cheng-en, Dong Haitao. Study on defense-related gene and signal pathway of rice by cDNA microarray. Journal of Zhejiang University (Agric. & Life Sci.). 2003.29(4): 399-402

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36. **Pei Yanxi*,** Chen Zhujun, Cao Jiashu. Protein synthesis by isolated plant organelle and cytoplasmic male sterility. Biotechnology.2002,12 (1): 36-37

37. Hao Jianping, Chen Zhankuan, **Pei Yanxi** et al. The influence of herbicide BASTA on the germination of buckwheat. Acta Agriculturae Boreali-Sinica. 2001.04

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41. Pei Yanxi*, Hao Jianping, Qiao Shumei, et al. A Study on nutrient culture technique of chrysanthemum. Journal of Shanxi agricultural science.1999,27(3) : 66-68.

42. **Pei Yanxi***, Hao Jianping. Tissue culture of liquorice. Inner Mongolia agricultural science and technology, 1999, 3: 16-17

43. Hao Jianping, **Pei Yanxi.** Buckwheat tissue culture and plant regeneretion. Essays in Plant Physiolog. China. China Association for Plant Physiology. 1998.11

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REVIEWER OF JOURNALS:

1. *Journal of pineal research （SCI IF=10.4）*
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4. *British journal of pharmacology(SCI IF=6.1)*
5. *Molecular cell biology (SCI IF=5.4)*
6. *Scientific reports （SCI IF=5.2）*
7. *Oncotarget （SCI IF=5.0）*
8. *BMC genomics （SCI IF=4.3）*
9. *Plant Molecular Biology（SCI IF=4.3）*
10. *Chinese science bulletin(SCI IF=4.2)*
11. *Plos one (SCI IF=3.73)*
12. *Environmental and Experimental Botany (SCI IF=3.2)*
13. *Oxidative Medicine and Cellular Longevity (SCI IF=4.5，作为 Guest Editor)*
14. *Frontiers in Plant Science (SCI IF=4.2，作为 Guest Editor)*
15. *Functional & Integrative Genomics (SCI IF=3.3)*
16. *BMC Plant Biology (SCI IF=3.3)*
17. *Journal of Agricultural and Food Chemistry(SCI IF=3.2)*
18. *Plant Physiology and Biochemistry (SCI IF=2.8)*
19. *Cell Biochemistry and Biophysics（SCI IF=2.4）*
20. *Plant science (SCI IF=2.92)*
21. *Ecotoxicology and Environmental Safety(SCI IF=2.48)*
22. *Gene (SCI IF=2.2)*
23. *Functional Plant Biology (SCI IF=2.74)*
24. *Journal plant growth regulation (SCI IF=1.99)*
25. *Biologia Plantarum（SCI IF=1.8）*
26. *Science Bulletin（SCI IF=1.4）*
27. *Acta Physiologiae Plantarum（SCI IF=1.6）*
28. *Acta Societatis Botanicorum Poloniae journal(SCI IF=0.59)*
29. *HortScience (SCI IF=0.79)*
30. *African journal of agricultural research(SCI IF=0.2)*
31. *Bioengineered (USA)*
32. *Chinese Science Bulletin (in Chinese)*
33. *Plant Physiology Journal (in Chinese)*

34. *China Biotechnology (in Chinese)*
35. *Chinese Journal of Cell Biology (in Chinese)*
36. *Genomics and Applied Biology (in Chinese)*

Honors and Awards:

1. 2014.9, "Outstanding Teacher Award of Shanxi University",China;
2. 2014.7, "Prominent Educator of Shanxi Higher Learning Institutions ", Shanxi, China;
3. 2014.5, "May-4th" Youth Day Award"of Shanxi university; China;
4. 2013.9,"Baogang Outstanding Teacher Award"(Baosteel Education Fundation)；
5. 200910,"Foxccon Outstanding Teachers Grants"(Foxccon Group Company fundation);
6. 2009.6, "Young Academic Leaders of Higher Learning Institutions of Shanxi,China;
7. 2009.5, One of the "ten young outstanding teachers" in Shanxi University,China;
8. 2008.11, "Meritorious Undergraduate Teaching Award" in Shanxi University,China;
9. 2008.7, "Advanced Young Researcher" (Botanical Society of China);
10. 2008.6."Youth Science and Technology Award" in Shanxi Province,China;
11. 2002. Science and Technology first award（The fifth auther）, Zhejiang Province，China；