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发表论文:

1. Zhao X, Jiang Y, Li J, Huq E, Chen ZJ, **Xu D**[#], Deng XW[#]. (2018). COP1 SUPPRESSOR 4 promotes seedling photomorphogenesis by repressing *CCA1* and *PIF4* expression in *Arabidopsis*. Proc. Natl. Acad. Sci. USA. Online. ([#], co-corresponding author)
2. Lin F, Jiang Y, Li J, Yan T, Fan L, Liang J, Chen ZJ, **Xu D**[#], Deng XW[#]. (2018). BBX28 negatively regulates photomorphogenesis by repressing HY5 activity and itself undergoes COP1-mediated degradation. Plant Cell 30(9):2006-2019. ([#], co-corresponding author)
3. **Xu D**. (2018). Multifaceted roles of PIF4 in plants. Trends Plant Sci. 23(9):749-751.
4. **Xu D**[#], Jiang Y, Li J, Holm M, Deng XW[#]. (2018). The B-box domain protein BBX21 promotes photomorphogenesis. Plant Physiology 176(3):2365-2375. ([#], co-corresponding author)
5. **Xu D**[#], Deng XW[#]. (2017). PINOID-mediated COP1 phosphorylation matters in photomorphogenesis in *Arabidopsis*. Proc. Natl. Acad. Sci. USA. 114(39): E8136-E8137. (Letter) ([#], co-corresponding author)
6. Lin F*, **Xu D**^{*#}, Jiang Y*, Chen H, Holm M, Fan L, Deng XW[#]. (2017). Phosphorylation and negative regulation of CONSTITUTIVELY PHOTOMORPHOGENICALLY 1 in *Arabidopsis*. Proc. Natl. Acad. Sci. USA. 114(25):6617-6622. (*, co-first author; [#], co-corresponding author)
7. **Xu D**, Jiang Y, Li J, Lin F, Holm M, Deng XW. (2016). BBX21, an *Arabidopsis* B-box protein, directly activates HY5 and is targeted by COP1 for 26S proteasome-

- mediated degradation. Proc. Natl. Acad. Sci. USA 113(27): 7655-7660.
8. **Xu D**, Zhu D, Deng XW. (2016). The role of COP1 in repression of photoperiodic flowering. *F1000Research* 5:178. (review)
 9. **Xu D**, Lin F, Jiang Y, Ling J, Hettiarachchi C, Tellgren-Roth C, Holm M, Wei N, Deng XW. (2015). *Arabidopsis* COP1 SUPPRESSOR 2 represses COP1 E3 ubiquitin ligase activity through their coiled-coil domains association. *PLoS Genetics*. 11(12): e1005747.
 10. **Xu D**, Li J, Gangappa SN, Hettiarachchi C, Lin F, Andersson MX, Jiang Y, Deng XW, Holm M. (2014). Convergence of Light and ABA signaling on the *ABI5* promoter. *PLoS Genetics* 10(2): e1004197.
 11. **Xu D**, Lin F, Jiang Y, Huang X, Li J, Ling J, Hettiarachchi C, Tellgren-Roth C, Holm M, Deng XW. (2014). The RING-Finger E3 ubiquitin ligase COP1 SUPPRESSOR1 negatively regulates COP1 abundance in maintaining COP1 homeostasis in dark-grown *Arabidopsis* seedlings. *The Plant Cell* 26(5): 1981-1991.
 12. **Xu D***, Huang J*, Guo S, Yang X, Bao Y, Tang H, Zhang H. (2008). Overexpression of a TFIIIA-type zinc finger protein gene *ZFP252* enhances drought and salt tolerance in rice (*Oryza sativa L.*). *FEBS Letters* 582 (7): 1037-1043. (*, co-first author)
 13. Song Q, Ando A, **Xu D**, Fang L, Zhang T, Huq E, Qiao H, Deng XW, Chen ZJ. (2018). Temporal and epigenetic repression of ethylene biosynthesis mediates biomass heterosis. *Proc. Natl. Acad. Sci. USA*. 115(21):5606-5611.
 14. Huang J, Sun S, **Xu D**, Lan H, Sun H, Wang Z, Bao Y, Wang J, Tang H, Zhang H. (2012). A TFIIIA-type zinc finger protein confers multiple abiotic stress tolerances in transgenic rice (*Oryza sativa L.*). *Plant Molecular Biology* 80 (3): 337-350.
 15. Huang J, Sun S, **Xu D**, Yang X, Bao Y, Wang Z, Tang H, Zhang H. (2009). Increased tolerance of rice to cold, drought and oxidative stresses mediated by the overexpression of a gene that encodes the zinc finger protein ZFP245. *Biochemical and Biophysical Research Communications* 389 (3): 556-561.
 16. Huang J, Wang M, Jiang Y, Bao Y, Sun H, **Xu D**, Lan H, Zhang H. (2008). Expression analysis of rice A20/AN1-type zinc finger genes and characterization of ZFP177 that contributes to temperature stress tolerance. *Gene* 420(2): 135-144.

获得奖励:

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Swedish Stiftelsen Paul och Marie Berghaus Travel Grants	2012, 2013, 2014
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