

2021 年

Nature

Dong W, Zhu Y, Chang H, Wang C, Yang J, Shi J, Gao J, Yang W, Lan L, Wang Y, Zhang X, Dai H, Miao Y, Xu L, He Z, Song C, Wu S, Wang D, Yu N, **Wang E***. An SHR-SCR module specifies legume cortical cell fate to enable nodulation. *Nature*. 2021 Jan;589(7843):586-590. doi: 10.1038/s41586-020-3016-z.

致谢: 细胞结构分析技术平台

Nature

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Nature

Zhai K, Liang D, Li H, Jiao F, Yan B, Liu J, Lei Z, Huang L, Gong X, Wang X, Miao J, Wang Y, Liu JY, Zhang L, Wang E, Deng Y, Wen CK, Guo H, Han B, **He Z***. NLRs guard metabolism to coordinate pattern- and effector-triggered immunity. *Nature*. 2021 Dec 15. doi: 10.1038/s41586-021-04219-2.

致谢: 代谢组学与蛋白互作技术平台

Science

Wang G, Vega-Rodríguez J, Diabate A, Liu J, Cui C, Nignan C, Dong L, Li F, Ouedrago CO, Bandaogo AM, Sawadogo PS, Maiga H, Alves E Silva TL, Pascini TV, **Wang S***, Jacobs-Lorena M. Clock genes and environmental cues coordinate Anopheles pheromone synthesis, swarming, and mating. *Science*. 2021 Jan 22;371(6527):411-415. doi: 10.1126/science.abd4359.

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Cell

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Cell

Shi J, Zhao B, Zheng S, Zhang X, Wang X, Dong W, Xie Q, Wang G, Xiao Y, Chen F, Yu N, **Wang E***. A phosphate starvation response-centered network regulates mycorrhizal symbiosis. *Cell*. 2021 Oct 28;184(22):5527-5540.e18. doi: 10.1016/j.cell.2021.09.030.

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Ma B, Zhang L, Gao Q, Wang J, Li X, Wang H, Liu Y, Lin H, Liu J, Wang X, Li Q, Deng Y, Tang W, Luan S, **He Z***. A plasma membrane transporter coordinates phosphate reallocation and grain filling in cereals. *Nat Genet*. 2021 Jun;53(6):906-915. doi: 10.1038/s41588-021-00855-6.

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Li B, Song S, Wei X, Tang G, **Wang C***. Activation of microlipophagy during early infection of insect hosts by *Metarhizium robertsii*. *Autophagy*. 2021 Jun 16. doi: 10.1080/15548627.2021.1943179.

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Nature Communications

Yang G, Hong S, Yang P, Sun Y, Wang Y, Zhang P, **Jiang W***, **Gu Y***. Discovery of an ene-reductase for initiating flavone and flavonol catabolism in gut bacteria. *Nat Commun*. 2021 Feb 4;12(1):790. doi: 10.1038/s41467-021-20974-2.

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Nature Communications

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Chao ZF, Wang YL, Chen YY, Zhang CY, Wang PY, Song T, Liu CB, Lv QY, Han ML, Wang SS, Yan J, Lei MG, **Chao DY***. NPF transporters in synaptic-like vesicles control delivery of iron and copper to seeds. *Sci Adv*. 2021 Sep 3;7(36):eabh2450. doi: 10.1126/sciadv.abh2450.

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Fan Z, Jaisi A, Chen YC, Shen LQ, Liu ZM, Wu SW, Liu YN, Zhang WM, **Xiao YL***. Discovery and Biosynthesis of Ascorbylated Securinega Alkaloids. *ACS Catal*, 2021,11, 8818 - 8828. <https://doi.org/10.1021/acscatal.1c01514>.

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Fang S, Huang X, Zhang X, Zhang M, Hao Y, Guo H, Liu LN, Yu F, **Zhang P***. Molecular mechanism underlying transport and allosteric inhibition of bicarbonate transporter SbtA. *Proc Natl Acad Sci U S A*. 2021 Jun 1;118(22):e2101632118. doi: 10.1073/pnas.2101632118.

致谢：公共技术服务中心

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Cheng YJ, Shang GD, Xu ZG, Yu S, Wu LY, Zhai D, Tian SL, Gao J, Wang L, **Wang JW***. Cell division in the shoot apical meristem is a trigger for miR156 decline and vegetative phase transition in Arabidopsis. *Proc Natl Acad Sci U S A*. 2021 Nov 16;118(46):e2115667118. doi: 10.1073/pnas.2115667118.

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You LY, Lin J, Xu HW, Chen CX, Chen JY, Zhang J, Zhang J, Li YX, Ye C, Zhang H, Jiang J, Zhu JK, Li QQ, **Duan CG***. Intragenic heterochromatin-mediated alternative polyadenylation modulates miRNA and pollen development in rice. *New Phytol.* 2021 Oct;232(2):835-852. doi: 10.1111/nph.17635.

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Li X, Wang Y, Fan Z, Wang Y, Wang P, Yan X, **Zhou Z***. High-level sustainable production of the characteristic protopanaxatriol-type saponins from *Panax* species in engineered *Saccharomyces cerevisiae*. *Metab Eng.* 2021 Jul;66:87-97. doi: 10.1016/j.ymben.2021.04.006.

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Food Chem

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Molecular Plant

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The EMBO Journal

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PLOS Biology

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Ye BB, Shang GD, Pan Y, Xu ZG, Zhou CM, Mao YB, Bao N, Sun L, Xu T, Wang JW. (2020). AP2/ERF Transcription Factors Integrate Age and Wound Signals for Root Regeneration. *Plant Cell.* Jan;32(1):226-241.

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Plant Physiology

Wang A, Hou Q, Si L, Huang X, Luo J, Lu D, Zhu J, Shangguan Y, Miao J, Xie Y, Wang Y, Zhao Q, Feng Q, Zhou C, Li Y, Fan D, Lu Y, Tian Q, Wang Z, Han B*. (2019). The PLATZ Transcription Factor GL6 Affects Grain Length and Number in Rice. *Plant Physiol.* Aug;180(4):2077-2090.

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2018 年

Nature

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