

# Stanford

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## Yue Rui

Basic Life Res Scientist

Biology

### Bio

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#### ACADEMIC APPOINTMENTS

- Basic Life Science Research Associate, Biology

### Publications

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#### PUBLICATIONS

- **Mutations in the Pectin Methyltransferase QUASIMODO2 Influence Cellulose Biosynthesis and Wall Integrity in Arabidopsis thaliana.** *The Plant cell*  
Du, J. n., Kirui, A. n., Huang, S. n., Wang, L. n., Barnes, W. J., Kiemle, S. n., Zheng, Y. n., Rui, Y. n., Ruan, M. n., Qi, S. n., Kim, S. H., Wang, T. n., Cosgrove, et al  
2020
- **A Wall with Integrity: Surveillance and Maintenance of the Plant Cell Wall Under Stress.** *The New phytologist*  
Rui, Y., Dinneny, J. R.  
2019
- **Synergistic Pectin Degradation and Guard Cell Pressurization Underlie Stomatal Pore Formation.** *Plant physiology*  
Rui, Y., Chen, Y., Yi, H., Purzycki, T., Puri, V. M., Anderson, C. T.  
2019
- **Mechanical Effects of Cellulose, Xyloglucan, and Pectins on Stomatal Guard Cells of Arabidopsis thaliana** *FRONTIERS IN PLANT SCIENCE*  
Yi, H., Rui, Y., Kandemir, B., Wang, J. Z., Anderson, C. T., Puri, V. M.  
2018; 9
- **Balancing Strength and Flexibility: How the Synthesis, Organization, and Modification of Guard Cell Walls Govern Stomatal Development and Dynamics** *FRONTIERS IN PLANT SCIENCE*  
Rui, Y., Chen, Y., Kandemir, B., Yi, H., Wang, J. Z., Puri, V. M., Anderson, C. T.  
2018; 9