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Research Interests

•Molecular mechanism of phosphate transport

Molecular mechanism of rice root architecture

•Molecular regulation mechanism of root architecture

Publication

Identification of vacuolar phosphate efflux transporters in land plants, Nature plants, 2019, DOI: 10.1038/s41477-018-0334-3

ABNORMAL INFLORESCENCE MERISTEM1 functions in Salicylic acid biosynthesis to maintain proper Reactive Oxygen Species levels for root Meristem activity in rice, The plant cell, 2017, DOI: 10.1105/tpc.16.00665

An SPX-RLI1 module regulates leaf inclination in response to phosphate availability in rice, The plant cell, 2018, DOI: 10.1105/tpc.17.00738

OscYCP4s coordinate phosphate starvation signaling with cell cycle progression in rice, Journal of Integrative Plant Biology, 2020, DOI: 10.1111/jipb.12885

Allelochemical p-hydroxybenzoic acid inhibits root growth via regulating ROS accumulation in cucumber (Cucumis sativus L.), Journal of Integrative Agriculture, 2020, DOI:



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