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Research Interests

- Mushroom germplasm and population genetics
- Mushroom genomics and genetic linkage mapping
- Quantitative genetics of agronomic traits
- Molecular breeding of mushrooms

Publication

A genetic linkage map of *Pleurotus tuoliensis* integrated with physical mapping of the de novo sequenced genome and the mating type loci, BMC genomics, 2018, DOI:10.1186/s12864-017-4421-z

A detailed analysis of the recombination landscape of the button mushroom *Agaricus bisporus* var. *bisporus*, Fungal Genetics and Biology, 2017, DOI:10.1016/j.fgb.2016.06.001

Multi- trait QTL analysis for agronomic and quality characters of *Agaricus bisporus* (button mushrooms), AMB Express, 2016, DOI:10.1186/s13568-016-0239-3

Quantitative trait locus mapping for bruising sensitivity and cap color of *Agaricus bisporus*



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(button mushrooms), Fungal Genetics and Biology, 2015, DOI:10.1016/j.fgb.2015.04.003

Genetic Variation and Combining Ability Analysis of Bruising Sensitivity in Agaricus bisporus, PLOS ONE, 2013, DOI: 10.1371/journal.pone.0076826

Research advances on molecular mushroom breeding, Journal of Fungal Research, 2019, DOI:10.13341/j.jfr.2019.8015

Identification of commercial cultivars of Agaricus bisporus in China using genome-wide microsatellite markers, Journal of Integrative Agriculture, 2019, DOI: 10.1016/S2095-3119(18)62126-4