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Research Interests

- The scientific study and cultivation technology of edible mushroom
- Bioresource technology
- The physiology study of edible mushroom
- Food safety

Publication

Comparative transcriptomic analysis reveals molecular processes involved in pileus morphogenesis in *Pleurotus eryngii* under different light conditions., Genomics, 2020, DOI: 10.1016/j.ygeno.2019.09.014

Integration of *Pleurotus tuoliensis* cultivation and biogas production for utilization of lignocellulosic biomass as well as its benefit evaluation, Bioresource technology, 2020, DOI: 10.1016/j.biortech.2020.124042

A Comparative Transcriptome Analysis Reveals Physiological Maturation Properties of Mycelia in *Pleurotus tuoliensis*, Genes, 2019, DOI:10.3390/genes10090703



Metabolic profiling of *Pleurotus tuoliensis* during mycelium physiological maturation and exploration on a potential indicator of mycelial maturation, *Frontier in Microbiology*, 2019, DOI:10.3389/fmicb.2018.03274

The structural characterization of a polysaccharide exhibiting antitumor effect from *Pholiota adiposa* mycelia, *Scientific Reports*, 2019, DOI: 10.1038/s41598-018-38251-6

A Novel Aspartic Protease with HIV-1 Reverse Transcriptase Inhibitory Activity from Fresh Fruiting Bodies of the Wild Mushroom *Xylaria hypoxylon*, *Journal of Biomedicine and Biotechnology*, 2012, DOI: 10.1155/2012/728975 SCI

Selenium speciation and biological characteristics of selenium-rich Bailing mushroom, *Pleurotus tuoliensis*, *Emirates Journal of Food and Agriculture*, 2018, DOI: 10.9755/ejfa.2018.v30.i8.1758

Evaluation of Korshinsk peashrub (*Caragana korshinskii* Kom.) as a substrate for the cultivation of *Pleurotus eryngii*, *Waste and Biomass Valorization* , 2019, DOI: 10.1007/s12649-018-0301-2

Evaluation of oyster mushroom strains for resistance to *Pseudomonas tolaasii* by inoculation in spawned substrates, *Eur J Plant Pathol* , 2013, DOI: 10.1007/s10658-013-0223-6

Effects of Light conditions on the Differentiation and Physiological of *Pleurotus eryngii* primordium (CN), *Chin J Appl Environ Biol* , 2019, DOI: 10.19675/j.cnki.1006-687x.2018.12061

Cultivation practical technology of rare edible mushroom (CN), Beijing/China Agariculture Press, 2011, ISBN: 978-7-109-15308-0