Resume of PENG BO

Basic Information

School:	School of life and health sciences
Gender:	Male
Date of birth:	1992.09
Title:	Lecture
Education:	Ph.D of engineering
Tutor:	Master degree
Email	pengbo151040@hbut.edu.cn
Research interest:	Structure and function of food soft matter Food preservation and quality analysis

Academic Background

2010.09–2014.06	Hubei University of Technology	Bachelor's degree in food science
2014.09–2017.06	Huazhong Agricultural University	Master's degree in food science
2018.09–2022.06	Zhejiang University	Ph.D. degree in agricultural engineering

Enrollment Information

1. Enrollment discipline: Master of engineering
2. Research direction: Food soft matter, Food preservation, Food quality analysis
3. Enrollment year: 2024, 2025

Representative Projects

1. Natural Science Foundation of Hubei Province. "Fabrication of three-dimensional porous colorimetric sensor and its application in non-destructive monitoring of meat freshness". Grant No. 2024AFB134. Project leader.
2. Research Foundation of Hubei University of Technology. "Ammonia-responsive aerogel for freshness monitoring of meat products". Grant No. XJ2023005801. Project leader.

Representative Articles

1. **Peng Bo**, Qin Jichao, Li Yujie, Wu Kao, Kuang Ying, Jiang Fatang*. Recent advances in nanomaterials-enabled active food packaging: Nanomaterials synthesis, applications and future prospects. *Food Control*, 2024, 163, 110542.
2. **Peng Bo**, Liu Xiaoxue, Yao Yao, Ping Jianfeng, Ying Yibin*. A wearable and capacitive sensor for leaf moisture status monitoring. *Biosensors and Bioelectronics*, 2024, 245, 115804.
3. **Peng Bo**, Wu Xinyue, Zhang Chi, Zhang Chao, Lan Lingyi, Ping Jianfeng, Ying Yibin*. In-time detection of plant water status change by self-adhesive,

water-proof, and gas-permeable electrodes. *ACS Applied Materials & Interfaces*, 2023, 15, 19199–19208.

4. **Peng Bo**, Wu Xinyue, Zhang Chao, Zhang Chi, Lan Lingyi, Zhang Chuanfang (John)*, Ying Yibin, Ping Jianfeng*. A flexible and fully integrated wearable pressure sensing chip system for multi-scenario applications. *Journal of Materials Chemistry A*, 2021, 9, 26875–26884.
5. **Peng Bo**, Zhao Fengnian, Ping Jianfeng, Ying Yibin*. Recent advances in nanomaterials-enabled wearable sensors: Materials synthesis, sensor design, and personal health monitoring. *Small*, 2020, 16, 2002681.
6. Ding Shiyong*, **Peng Bo**, Li Youqian, Yang Jun*. Evaluation of specific volume, texture, thermal features, water mobility, and inhibitory effect of staling in wheat bread affected by maltitol. *Food Chemistry*, 2019, 283, 123–130.
7. **Peng Bo**, Li Youqian, Ding Shiyong*, Yang Jun*. Characterization of textural, rheological, thermal, microstructural, and water mobility in wheat flour dough and bread affected by trehalose. *Food Chemistry*, 2017, 233, 369–377.