Resume of Can Wu

Basic Information

School :	School of Life and Health Sciences
Gender：	Female
Date of Birth：	199608
Title：	Lecturer
Education：	Ph.D of Biomedical Engineering
Tutor：	Doctor degree
Interest of research:	Structural design and application of natural polymeric hydrogels

Academic Background

From September 2014 to July 2018, Zhengzhou University, Bachelor's degree in Materials Science and Engineering;
From September 2018 to July 2023, Sichuan University, Ph.D of Biomedical Engineering.

Enrollment Information

1. Enrollment Discipline: Master of Food Science and Engineering
2. Research direction: Food structure design; Nutrition and health
3. Enrollment Year: 2024-2025

Representative Projects

1. Hubei University of Technology Scientific Research Foundation for Doctors " Molecular mechanism of ordered protein aggregation to improve the heat-induced gelation properties of egg white proteins", Project leader.

Representative Articles

1. Can Wu, Yuxin Zhang, Yuanyuan Xu, Linyu Long, Xuefeng Hu, Jieyu Zhang, Yunbing Wang. Injectable polyaniline nanorods/alginate hydrogel with AAV9-mediated VEGF overexpression for myocardial infarction treatment. Biomaterials, 2023, 296, 122088. (IF 15.304)
2. Can Wu, Linyu Long, Yuxin Zhang, Yuanyuan Xu, Yuhui Lu, Zeyu Yang, Yi Guo, Jieyu Zhang, Xuefeng Hu, Yunbing Wang, Injectable conductive and angiogenic hydrogels for chronic diabetic wound treatment. Journal of Controlled Release, 2022, 344, 249-260. (IF 11.467)
3. Can Wu, Lu Shen, Yuhui Lu, Cheng Hu, Zhen Liang, Linyu Long, Ning Ning, Jiali Chen, Yi Guo, Zeyu Yang, Xuefeng Hu, Jieyu Zhang, Yunbing Wang, Intrinsic antibacterial and conductive hydrogels based on the distinct bactericidal effect of

polyaniline for infected chronic wound healing. ACS Applied Materials & Interfaces, 2021, 13, 52308-52320. (IF 10.383)
4. Yuxin Zhang, Can Wu, Yuanyuan Xu, Zhiyu Chen, Lei Li, Jiali Chen, Ning Ning, Yi Guo, Zeyu Yang, Xuefeng Hu, Jieyu Zhang, Yunbing Wang, Conductive hydrogels with hierarchical biofilm inhibition capability accelerate diabetic ulcer healing. Chemical Engineering Journal, 2023, 142457. (IF 16.744)
5. Jieyu Zhang, Can Wu, Yuanyuan Xu, Jiali Chen, Ning Ning, Zeyu Yang, Yi Guo, Xuefeng Hu, Yunbing Wang, Highly stretchable and conductive self-healing hydrogels for temperature and strain sensing and chronic wound treatment. ACS Applied Materials & Interfaces, 2020, 12, 40990-40999. (IF 10.383)