CURRICULUM VITAE

Personal Information				
Name	Wang PENG	Gender	Male	
Position Title		Associate Professor		
Working Department		School of Engineering		
Email	pengwang@mail.hzau.edu.cn			
Address	Room G30, New Engineering Building, School of Engineering, Huazhong Agricultural University			
Tel	+86-18907151898	Fax	027-87282120	

Research Interest

Micro/Nano Manufacturing Technologies, Flexible Photonics, Smart Agriculture, Biosensors, Triboelectric Nanogenerator

Professional Memberships

Chinese Society of Micro and Nano Technology, Senior Member

Other Roles

Education & Working Experience

School of Engineering, HZAU	Wuhan, China
Associate Professor	2020.04 - Now
School of Mechanical Science and Engineering, HUST	Wuhan, China
Postdoc	2017.05 - 2020.04
Birck Nanotechnology Center， Purdue	West lafayette，USA
Project Cooperation	2016.02
School of Computer Science and Engineering, UIUC	Champaign, IL, USA
Joint PhD	2014.02 – 2016.05
School of Mechanical Science and Engineering, HUST	Wuhan, China
PhD （Mechatronic Engineering）	2010.09 – 2017.04

School of Computer Science and Engineering, UIUC	Champaign, IL, USA
Jointed PhD	2014.02 – 2016.05
School of Foreign Languages, HUST	Wuhan, China
BA (English)	2006.09 – 2010.06
School of Mechanical and Electronic Engineering, WUT	Wuhan, China
BE (Mechanical Engineering and Automation)	2006.09 – 2010.07

Publications

1. **Peng Wang***, Yuankai Zhang, Linfeng He, Qingxi Liao*. (2024). Polyethylene imine-modified photonic crystal microfluidic Chip forhighly sensitive detection of microbial spores. Food Chemistry. (**JCR Q1, IF:8.5**)
2. Liao, L., Ni, Q., **Peng, W.***, & Mei, Q. * (2024). Advances in Multifunctional Sensors Based on Triboelectric Nanogenerator–Applications, Triboelectric Materials, and Manufacturing Integration. Advanced Materials Technologies, 2301592. (**JCR Q1, IF:6.8**)
3. Wang, K., Sun, C., Dumčius, P., Zhang, H., Liao, H., Wu, Tian L. **Peng, W.**， et al. & Cui, M*. (2023). Open source board based acoustofluidic transwells for reversible disruption of the blood–brain barrier for therapeutic delivery. Biomaterials Research, 27(1), 69. (**JCR Q1, IF:11.3**)
4. **Peng Wang***, Qianqiu Ni, Linfeng He, Qingxi Liao*. (2023). Foam nickel-PDMS composite film based triboelectric nanogenerator for speed and acceleration sensing. Heliyon, 9(7). (**JCR Q1, IF:4.0**)
5. **Peng Wang***, Zhihan Xu, Xiangting Jia, and Qingxi Liao*. "A copper foam-based surface-enhanced Raman scattering substrate for glucose detection." Discover Nano 18. 1 (2023): 7. (**JCR Q1，IF:5.418**)
6. **Peng, Wang***, Bing Huang, Xuanxuan Huang, Han Song, and Qingxi Liao*. "A flexible and stretchable photonic crystal sensor for biosensing and tactile sensing." Heliyon 8, no. 11 (2022): e11697. (**JCR Q1, IF:4.0**)
7. **Peng W**, Liao Q, Song H. A Nanograting based Flexible and Stretchable Waveguide for Tactile Sensing. **Nanoscale Research Letters**, 2021. (**SCI IF: 3.581**)
8. **Peng, Wang,** Jingming Xie, Zhongkai Gu, Qingxi Liao, and Xuanxuan Huang. "A High Performance Real-time Vision System for Curved Surface Inspection." **Optik** (2021):

166514. (**SCI IF: 2.187**)

9. **Peng W**, Hao Wu, Flexible and Stretchable **Photonic** Sensors Based on Modulation of Light Transmission [J]. **Advanced Optical Materials,** 2019. (**SCI IF: 8.224**)
10. **Peng W**, Chen Y, Ai W. Higher-order mode photonic crystal based nanofluidic sensor [J]. ***Optics Communications***, 2017, 382: 105-112. (**SCI IF: 2.125**)