

王 平 教授

1. 个人简介



王平，博士，教授、博士生导师。主要从事生态染整技术、功能纺织品开发、丝蛋白再生材料制备方面的教学与科研工作。主持国家自然科学基金面上项目2项、国家重点研发计划项目子课题1项、企业横向项目40余项。在*Adv. Funct. Mater.*, *Adv. Fiber Mater.*, *Biomaterials*, *Bioresource Technol.*, *Small*等期刊发表论文150余篇，获授权发明专利20余件。主讲本科生《染整工艺原理》和硕士生《新型染整技术》等课程，担任江苏省一流本科课程《染整工艺原理》课程负责人，参编《染整工艺设备》和《纺织酶学》等教材5部。

入选江苏省“六大人才高峰”高层次人才、江苏省高校“青蓝工程”中青年学术带头人，先后获江苏省科技进步奖二等奖2项、中国纺织工业协会科学技术奖二等奖3项、桑麻基金会奖教金、江南大学至善教学奖、优秀教育工作者等荣誉和称号。指导研究生获中国纺织工程学会优秀博士论文、优秀硕士论文各1篇；指导本科生和硕士生参加全国大学生绿色染整科技创新大赛获特等奖2项、一等奖1项。现兼任江苏省纺织工程学会印染专业委员会副主任、中国纺织工程学会染整专业委员会委员。

2. 代表性学术论文

- [1] Leilei Wu, Zirong Li, Xueming Bao, Xinyi Cheng, Chao Deng, Yuanyuan Yu, Qiang Wang, Ping Wang*. Enzymatic redox-mediated fabrication of textiles with multimode synergistic antimicrobial activity through embedding nanosilver in dynamic polydisulfide networks. *Advanced Functional Materials*, 2025, 35: 2420046
- [2] Zirong Li, Yun Yuan, Leilei Wu, Liying Qin, Man Zhou, Yuanyuan Yu, Qiang Wang, Ping Wang*. Hierarchically engineered silk fibroin nanotextiles with spectral selectivity and asymmetric nanostructure for sustainable personal thermal-wet regulation. *Advanced Fiber Materials*, 2025, DOI: 10.1007/s42765-025-00563-4
- [3] Yun Yuan, Zirong Li, Leilei Wu, Xinyi Cheng, Chao Deng, Yuanyuan Yu, Qiang Wang, Ping Wang*. Smearable CQD-entrapped hydrogel with sensitive pH response and photodynamic antibacterial properties for visual intelligent wound monitoring. *Biomaterials*, 2025, 322: 123360
- [4] Jiaqi Zhang, Leilei Wu, Jun Wang, Li Cui, Ying Liu, Yuanyuan Yu, Qiang Wang, Ping Wang*. Full-enzymatic three-in-one cascade finishing for woolen textiles: anti-felting, low-temperature dyeing and antibacterial processing. *Bioresource Technology*, 2025, 438: 133217
- [5] Xueming Bao, Zirong Li, Dongyu Zhu, Bo Xu, Man Zhou, Yuanyuan Yu, Qiang Wang, Ping Wang*. Silver-doped manganese oxide hollow nanospheres as dual-functional textile coatings

for antibacterial and formaldehyde elimination. *Journal of Colloid and Interface Science*, 2025, 688: 276-287

- [6] Biobiao Yan, Siqi Liu, Yun Yuan, Xunan Hou, Man Zhou, Yuanyuan Yu, Qiang Wang, Chaobin He*, Ping Wang*. Polymer-regulating MXene@dopamine electroactive gel-inks for textile-based multi-protective wearables. *Advanced Functional Materials*, 2024, 34(36): 2401097
- [7] Zirong Li, Kun Li, Jiaqi Zhang, Jun Wang, Man Zhou, Yuanyuan Yu, Qiang Wang, Ping Wang*. Enzymatic preparation of machine-washable antibacterial wool through a subtraction-addition technique using hydrolase and transglutaminase. *ACS Sustainable Chemistry and Engineering*, 2024, 12: 16480-16493
- [8] Yun Yuan, Leilei Wu, Biaobiao Yan, Yuanyuan Yu, Qiang Wang, Ping Wang*. Fabrication and efficient interfacial assembly of bright red-emitting carbon quantum dots for security-warning textiles. *Small*, 2024, 20(45), 2405101
- [9] Bingjie Fan, Xueming Bao, Shanshan Pan, Ying Liu, Yuanyuan Yu, Li Cui, Qiang Wang, Ping Wang*. High capillary effect and solar dual-drive nanofibrillated cellulose aerogels for efficient crude oil spill cleanup. *Chemical Engineering Journal*, 2024, 480: 148149
- [10] Biaobiao Yan, Xueming Bao, Yilei Gao, Man Zhou, Yuanyuan Yu, Bo Xu, L Cui, Qiang Wang, Ping Wang*. Antioxidative MXene@GA-decorated textile assisted by metal ion for efficient electromagnetic interference shielding, dual-driven heating, and infrared thermal camouflage. *Advanced Fiber Materials*, 2023, 5:2080-2098

3. 研究生教育

(1) 博士生

招生专业：纺织化学与染整工程

研究方向：生态染整技术、纤维改性与功能整理、丝蛋白再生材料制备

(2) 硕士生

① 学术型研究生

招生专业：纺织化学与染整工程

研究方向：生态染整技术、纤维改性与功能整理、丝蛋白再生材料制备

② 专业学位研究生

招生专业：轻化工程、纺织工程

研究方向：生态染整技术、纤维改性与功能整理

4. 联系方式

电话：13861727985

E-mail: pwang@jiangnan.edu.cn

办公室：江南大学纺织科学与工程学院D320室