蓝广芊

发布时间：2017-07-03 来源：本站原创 作者：本站编辑 浏览次数： 4052

蓝广芊（1982年2月— ），男，博士，香港理工大学博士后，副教授，硕士生导师。自2007年始，一直致力于快速止血材料及创伤愈合敷料的研发。近三年主持包括军委项目，国家自然科学基金，重庆市科技攻关项目，重庆市自然科学基金等10余项。发表SCI论文20余篇，其中影响因子超过5.0的8篇，申请国家发明专利9项，已授权2项。科研之余，积极投身于科技成果转化。2015年，创立重庆和其美科技有限公司，并担任CEO。该公司以从事生物医用材料的研发与技术转让为主，曾获由中共团中央主办的“第四届中国青年创新创业大赛全国银奖”（重庆市唯一获奖企业），由国家科技部主办的“第六届中国创新创业大赛全国生物医药行业总决赛（成长组）优秀企业”（重庆市仅两家获奖企业）等殊荣。此外，指导的学生在各类创新创业大赛中也屡获殊荣。

欢迎广大有志于生物材料研发的同学加入我们团队（Bio-Road生物医用材料研发团队）。针对报考我校，并被团队成功录取的优秀硕士研究生，我们将提供丰厚的新生奖学金，生活补贴，及SCI论文发表奖励（具体奖励标准参照页面底端微信公众号）。

目前团队骨干教师成员包括：

- 蓝广芊（博士，副教授，硕士生导师）
- 谢瑞琪（博士，副教授，硕士生导师）
- 胡恩岭（博士，副教授，硕士生导师）
- 陆飞（博士，副教授）
- 余堃（硕士，实验师）

Dr Guangqian LAN is an associate professor in the Southwest University (SWU) currently. Since 2007, he has been focusing on studies towards promoted hemostasis and wound healing. In the recent three year, as the principle investigator, he has been granted for more than 5 million RMB research fundings. He has published more than 20 SCI research papers, 8 of which has the impact factor over 5.0. In addition to bench-scale research, Dr Lan also has experience in entrepreneurship. He is the founder and CEO of Chongqing Heaquama Technology Co. Ltd, which has received the silver prize of The 4th China Youth Entrepreneurship Competition (organized by Central Committee of the Communist Youth League, China) and distinguish prize of the 6th China Innovation and Entrepreneurship Competition (Final) (organized by Ministry of Science and Technology, China).

In 2016, Dr Lan has organized an R&D team for advanced biomedical materials, namely the Bio-Road team. The team welcomes all interested undergraduates and postgraduates join us. We are offering merit scholarship, subsistence allowance and bonus to both Mainland China and international (including Hong Kong, Macao, and Taiwan) applicants who demonstrated academic excellence of previous study. Now the key members of the team Bio-Road are:

- Dr Guangqian LAN, Associate Professor, Certified MSc Supervisor;
- Dr Ruiqi XIE, Associate Professor, Certified MSc Supervisor;
- Dr Enling HU, Associate Professor, Certified MSc Supervisor;
- Dr Fei LU, Associate Professor;
- Mr Kun YU, Experimentalist

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代表性SCI论文/Selected SCI Publications

1. Qing Li （在读本科生（大四）/Year-4 undergraduate student），Fei Lu, Hongli Ye, Kun Yu, Bitao Lu, Rong Bao, Yang Xiao, Fangyin Dai, and **Guangqian Lan*** （通讯作者/coresponding author）. Silver inlaid with gold nanoparticles: enhanced antibacterial ability coupled with the ability to visualize antibacterial efficacy. ***ACS Sustainable Chemistry & Engineering***, 2018: 6,9813-9821.(IF: 6.14)

2. Qing Li （在读本科生（大四）/Year-4 undergraduate student），Fei Lu, Hongli Ye, Kun Yu, Bitao Lu, Rong Bao, Yang Xiao, Fangyin Dai, and **Guangqian Lan*** （通讯作者/coresponding author）. Biodegradable Microporous Starch with Assembled Thrombin for Rapid Induction of Hemostasis. ***ACS Sustainable Chemistry & Engineering***, 2019: 7,9813-9821

3. Qing Li （在读本科生（大四）/ Year-4 undergraduate student），Fei Lu, Guofang Zhou, Kun Yu, Bitao Lu, Yang Xiao, Fangying Dai, Dayang Wu, and **Guangqian Lan*** （通讯作者/coresponding author）. Silver inlaid with gold nanoparticle/chitosan wound dressing enhances antibacterial activity and porosity, and promotes wound healing. ***Biomacromolecules,*** 2017, 18(11):3766-3775. (IF: 5.73)

4. Honglei Chen （在读本科生（大四）/ Year-4 undergraduate student），**Guangqian Lan#** （共同第一作者/co-first author），Luoxiao Ran, Yang Xiao, Kun Yu, Bitao Lu, Fangying Dai, Dayang Wu, Fei Lu*, A novel wound dressing based on a Konjac glucomannan/silver nanoparticle composite sponge effectively kills bacteria and accelerates wound healing. ***Carbohydrate Polymers,*** 2018, 183:70-80. (IF: 5.15)

5. Bitao Lu （在读硕士生（研一）/Year-1 postgraduate student），Fei Lu, Yini Zou, Jiawei Liu, Bao Rong, Zhiquan Li, Fangying Dai, Dayang Wu, and **Guangqian Lan*** （通讯作者/coresponding author）. an-L-glutamic acid/hyaluronic acid: Enhancing antimicrobial and wound-healing activity. **Carbohydrate Polymers.** 2017, 173(10), 556-565. (IF:5.15)

6. Bitao Lu （在读硕士生（研二）/Year-2 postgraduate student），Fei Lu, Luoxiao Ran, Kun Yu, Yang Xiao, Zhiquan Li, Fangying Dai, Dayang Wu, **Guangqian Lan*** （通讯作者/coresponding author）. Imidazole-molecule-capped chitosan–gold nanocomposites with enhanced antimicrobial activity for treating biofilm-related infections. ***Journal of Colloid and Interface Science***, 2018, 531:269-281. (IF:5.09)

7. Kun Yu (在读硕士生（研三）/Year-3 postgraduate student), Fei Lu, Qing Li, Honglei Chen, Bitao Lu, Jiawei Liu, Zhiquan Li, Fangying Dai, Dayang Wu, **Guangqian Lan*** （通讯作者/coresponding author）. In situ assembly of Ag nanoparticles (AgNPs) on porous silkworm cocoon-based wound film: enhanced antimicrobial and wound healing activity. ***Scientific Reports,*** 2017, 7(1): 2107. (IF=4.2)

8. Guangqian Lan, Bitao Lu, Tianyou Wang, Lijuan Wang, Jinghao Chen, Kun Yua, Jiawei Liu, Fangying Dai, Dayang Wu*. Chitosan/gelatin composite sponge is an absorbable surgical hemostatic agent. ***Colloids and Surfaces B: Biointerfaces***. 2015, 136, 1026-1034. （IF=3.95）

9. Bitao Lu （在读硕士生（研二）/Year-2 postgraduate student），Fei Lu, Kun Yu, Yang Xiao, Zhiquan Li, Fangying Dai, Dayang Wu, **Guangqian Lan*** （通讯作者/coresponding author）. Self-assembly of natural protein and imidazole molecules on gold nanoparticles: Applications in wound healing against multi-drug resistant bacteria. ***International Journal of Biological Macromolecules***, 2018, 119:505-516. (IF:3.9)

10. Kun Yu （在读硕士生（研三）/Year-3 postgraduate student），Fei Lu, Qing Li, Yini Zou, Yang Xiao, Bitao Lu, Jiawei Liu, Fangying Dai, Dayang Wu, **Guangqian Lan*** （通讯作者/coresponding author）. Accelerated wound-healing capabilities of a dressing fabricated from silkworm cocoon. ***International Journal of Biological Macromolecules***, 2017, 102: 901-913. (IF=3.9)

11. Tianyi Wu （在读本科生（大四）/Year-4 undergraduate），Fei Lu, Qiuhan Wen, Kun Yu, Bitao Lu, Bao Rong, Fangyin Dai, **Guangqian Lan*** （通讯作者/coresponding author）. Novel strategy for obtaining uniformly dispersed silver nanoparticles on soluble cotton wound dressing through carboxymethylation and in-situ reduction: antimicrobial activity and histological assessment in animal model***. Cellulose,*** 2018:9,5361-5376. (IF: 3.8)

12. Bitao Lu （在读硕士生（研二）/Year-2 postgraduate student），Hongli Ye, Songmin Shang, Qinqin Xiong, Kun, Yu, Qing Li, Yang Xiao, Fangyin Dai, **Guangqian Lan*** （通讯作者/coresponding author）. Novel Wound Dressing with Chitosan Gold Nanoparticles Capped with a Small Molecule for Effective Treatment of Multiantibiotic-Resistant Bacterial Infections. ***Nanotechnology***, 2018,18,0957-4484. (IF:3.4)

13. Jinghao Chen （在读本科生（大四）/Year-4 undergraduate），**Guangqian Lan#** （co-first author /共同第一作者），Keying Li, Shibei Liu, Kun Yu, Jiawei Liu, Hua Tang, Fangying Dai, Dayang Wu*. Preparation of a partially carboxymethylated cotton gauze and study of its hemostatic properties. ***Journal of the Mechanical Behavior of Biomedical Materials.*** 2016, 62, 407-416.（IF=3.1）

14. Kun Yu （在读硕士生（研三）/Year-3 postgraduate student），**Guangqian Lan#** （共同第一作者/co-first author），Bitao LuJiawei Liu, Jinghao Chen, Fangyin Dai, Dayang Wu*. Evaluation of artificial skin made from silkworm cocoons. ***Journal of Materials Science,*** 2017, 52(9): 5435-5448. (IF=3.0)

近三年主持的科研项目 (部分)

1. 国家自然科学基金项目：基于原位还原纳米银的壳聚糖/明胶止血材料可控制备及其止血机理（立项编号：51703185），25万元，主持，201801-202012；

2. 广东省科技厅社发公益研究与能力建设（社发领域）项目：基于蚕蛹壳聚糖的纳米复合止血材料创制与性能研究（立项编号：2017A020211015），30万元，主持，201701-201912；

3. 中央高校业务费重点项目：纳米靶向凝血微粒的构建及其凝血机理（立项编号：XDJK2019B004），30万元，主持，201903-202212；

4. 中央高校业务费重点项目：基于原位还原纳米银的壳聚糖/明胶止血材料（立项编号：XDJK2017B004），20万元，主持，201701-201912。

专利申请

1. **蓝广芊，**卢必涛，代方银，陈景浩，余堃，刘佳伟.一种羧甲基纤维素棉的制备方法.国家发明专利，**授权号：201510991804.7**

2. **蓝广芊，**卢必涛，代方银，陈景浩，余堃，刘佳伟. 一种壳聚糖多孔止血海绵的制备方法. 国家发明专利，**授权号：201510990788.x.**

3. **蓝广芊;**余堃;代方银;吴大洋. 一种含银颗粒蚕茧茧壳创伤敷料的制备方法. 国家发明专利，公开号：201610694061.1

4. **蓝广芊，**代方银，余堃，吴大洋，刘佳伟，卢必涛. 一种多孔蚕茧茧壳创伤敷料的制备方法. 国家发明专利，公开号：201610527305.7

5. **蓝广芊**，代方银，陆飞.一种含银抗菌敷料的制备方法. 国家发明专利，公开号：201611207267.3

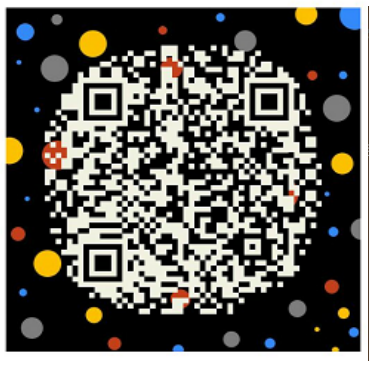
6. **蓝广芊**，卢必涛，陆飞.一种含纳米金抗菌剂的制备方法. 国家发明专利，公开号：201710756647.0

7. **蓝广芊**,张帆;代方银;吴大洋.一种含银颗粒的多孔止血海绵的制备方法.国家发明专利，公开号：201610694356.9

8. **蓝广芊，**李庆.一种自组装凝血酶的酯化微孔止血淀粉的制备方法及其应用. 国家发明专利，公开号：201810461351.0

9. **蓝广芊**;李庆;陆飞;余堃;卢必涛.一种含纳米金银抗菌材料的制备方法. 国家发明专利，公开号： 201710758095.7

10. **蓝广芊**;陈宏磊;陆飞;余堃;卢必涛.一种含银抗菌敷料的制备方法. 国家发明专利，公开号：201710758093.8



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