


基本信息

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简介

童丽萍，理学博士/副研究员/硕士生导师，主要从事功能性生物医用材料，如骨科植入材料、人工血管的构建与表面功能化，以及材料与组织相互作用机理研究。2015 年入选深圳市高层次留学回国人才计划“孔雀计划 C 类”，2017 年入选深圳市后备人才。先后主持国家自然科学基金 1 项，广东省科技项目 1 项及深圳市科技创新项目 3 项（包括 1 项深圳市技术攻关项目和一项深圳市基础布局项目）；深圳市孔雀团队“医用仿生钛合金研发团队”核心成员，在生物材料领域发表 SCI 收录论文 10 多篇，一作或通讯文章刊发于 *Biomaterials* (IF=10.273), *ACS Applied Materials & Interfaces* (IF=8.456) 等领域 Top 期刊；申报中国发明专利 10 余项。

社会任职

国家自然科学基金项目评审专家、深圳市科技项目评审与验收专家。

获奖及荣誉

2015 年入选深圳市孔雀人才 C 类；2017 年入选深圳市后备人才。

学科类别

生物材料；生物医学工程；细胞与免疫生物学

研究方向

生物材料；骨免疫调控。

承担科研项目情况

国家自然科学基金；广东省自然科学基金；深圳市科创委技术攻关、基础布局、孔雀团队等项目。

主要代表论著

- (1) Nan Hu, Tao Hu, Ang Gao, Nong Gao, Macro J. Starink, Ying Chen, Wanting Sun, Qing Liao, **Liping Tong***, Xiaochang Xu*, Paul K. Chu, Huaiyu Wang*, Homogeneous anodic TiO₂ nanotube layers on Ti-6Al-4V alloy with improved adhesion strength and corrosion resistance. *Advanced Materials Interfaces*, 1801964, 2019. (IF=4.713, 封面文章)
- (2) **Liping Tong**, Qing Liao, Yuetao Zhao, Hao Huang, Ang Gao, Wei Zhang, Xiaoyong Gao, Wei Wei, Min Guan, Paul K. Chu, Huaiyu Wang*, Near-infrared light control of bone regeneration with biodegradable photothermal osteoimplant, *Biomaterials*, 193:1-11, 2019. (IF=10.273)
- (3) Ang Gao, Ruiqiang Hang, Wan Li, Wei Zhang, Penghui Li, Huaiyu Wang*, Long Bai, Xuefeng Yu, **Liping Tong***, Paul K. Chu*, Linker-free covalent immobilization of heparin, SDF-1 α , and CD47 on PTFE surface for antithrombogenicity, endothelialization and anti-inflammation. *Biomaterials*, 140:201-211, 2017. (IF=10.273)
- (4) **Liping Tong#**, Wenhua Zhou#, Yuetao Zhao, Xuefeng Yu, Huaiyu Wang*, Paul K. Chu*, Enhanced Cytocompatibility and Reduced Genotoxicity of Polydimethylsiloxane Modified by Plasma Immersion Ion Implantation. *Colloids and Surfaces B: Biointerfaces*, 148:139-146, 2016. (IF=3.973)
- (5) Jundong Shao#, **Liping Tong #**, Siying Tang, Zhinan Guo, Han Zhang*, Penghui. Li, Huaiyu Wang, Chang Du*, Xuefeng Yu*, PLLA Nanofibrous Paper-Based Plasmonic Substrate with Tailored Hydrophilicity for Focusing SERS Detection. *ACS Applied Materials & Interfaces*. 7:5391-5399, 2015. (IF=8.456)
- (6) Yuetao Zhao, **Liping Tong**, Yong Li, Haobo Pan, Wei Zhang, Min Guan, Weihao Li, Yixin Chen, Qing Li, Zhongjun Li, Huaiyu Wang*, Xuefeng Yu*, Paul K. Chu*,

Lactose-Functionalized Gold Nanorods for Sensitive and Rapid Serological Diagnosis of Cancer. *ACS Applied Materials & Interfaces*. 8:5813-5820, 2016. (IF=8.456)

- (7) **Liping Tong**, Peter K.N. Yu, Lingzhi Bao, Wenqing Wu, Hongzhi Wang*, Wei Han*. Low Concentration of Exogenous Carbon Monoxide Protects Mammalian Cells against Proliferation Induced by Radiation-Induced Bystander Effect. *Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis*. 795:9-15, 2014. (IF=2.011)
- (8) **Liping Tong**, Dixon T.K. Kwok, Huaiyu Wang, Lijun Wu, Paul K. Chu*, Surface Structures and Osteoblast Activity on Biomedical Polytetrafluoroethylene Treated by Long-Pulse, High-Frequency Oxygen Plasma Immersion Ion Implantation. *Advanced Engineering Materials*. 12:B163-B169, 2010. (IF=2.906, 封面文章)