

## 基本信息

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## 简介

研究员，博士生导师，中国生物材料学会医用金属分会青委会委员、副秘书长，深圳市海外高层次人才孔雀计划 B 类人才。博士毕业于中科院金属研究所，曾先后在同济大学，香港大学，香港城市大学，美国德克萨斯大学进行博士后和访问研究工作。主持国家自然科学基金青年基金和面上项目，广东省科技计划项目，深圳市海外高层次人才孔雀技术创新项目，深圳市基础研究学科布局等科研项目。在 *Biomaterials*, *Acta Biomaterialia*, *ACS Applied Materials & Interfaces*, *Corrosion Science* 等生物材料和腐蚀科学领域 SCI 期刊上发表文章 60 余篇。担任波兰国家科学基金等国内外多个基金项目的评审专家和十余个 SCI 期刊的审稿人。个人主页：<http://people.ucas.edu.cn/~yingzhao>

## 社会任职

中国生物材料学会医用金属分会青委会委员、副秘书长；担任波兰国家科学基金等国内外多个基金项目的评审专家和十余个 SCI 期刊的审稿人。

## 获奖及荣誉

深圳市海外高层次人才孔雀计划 B 类人才

## 学科类别

生物材料、材料工程

## 研究方向

生物医用金属材料及其表面改性；微生物腐蚀

## 承担科研项目情况

主持国家自然科学基金青年基金和面上项目，广东省科技计划项目，深圳市海外高层次人才孔雀技术创新项目，深圳市基础研究学科布局等科研项目。

## 主要代表论著

- [1] Z. Ma, L. Ren, M. B. Shahzad, R. Liu, Y. Zhao\*, K. Yang. Hot deformation behavior of Cu-bearing antibacterial titanium alloy. *Journal of Materials Science & Technology* 34(2018) 1867-1875 (IF=5.04)
- [2] Y. Wang, J. Lou, L. Zeng, J. Xiang, S. Zhang, J. Wang, F. Xiong, C. Li, Y. Zhao\*, R. Zhang\*. Osteogenic Potential of a Novel Microarc Oxidized Coating Formed on Ti6Al4V Alloys. *Applied Surface Science* 412 (2017) 29-36 (IF=5.155)
- [3] H. M. Wong#, Y. Zhao#, F. K. L. Leung, T. Xi, Z. Zhang, Y. Zheng, S. Wu, K. D. K. Luk, K. M. C. Cheung, P. K. Chu and K. W. K. Yeung. Functionalized Polymeric Membrane with Enhanced Mechanical and Biological Properties to Control the Degradation of Magnesium Alloy. *Adv. Healthcare Mater.* 2017, 1601269 (IF=6.27)
- [4] C. Liu, X. K. Fu, H. B. Pan, P. Wan, L. Wang, L. L. Tan, K. H. Wang, Y. Zhao\*, K. Yang, and P. K. Chu. Biodegradable Mg-Cu Alloys with Enhanced Osteogenesis, Angiogenesis, and Long-Lasting Antibacterial Effects. *Scientific Reports* 6 (2016) 27374 (IF=4.011)
- [5] Y. Zhao, H. M. Wong, S. C. Lui, E. Y. W. Chong, G. Wu, X. Zhao, C. Wang, H. Pan, K. M. C. Cheung, S. Wu, P. K. Chu, and K. W. K. Yeung. Plasma Surface Functionalized Polyetheretherketone for Enhanced Osseo-Integration at Bone-Implant Interface. *ACS Applied Materials & Interfaces* 8 (2016) 3901-3911. (IF=8.456)

- [6] Y. Zhao, J. M. Ibrahim, W. K. Li, G. S. Wu, Y. F. Zheng, K. W. K. Yeung, P. K. Chu. Enhanced antimicrobial, cytocompatible and corrosion properties of plasma modified biodegradable magnesium alloys. *Acta Biomaterialia* 10 (2014) 544-556. (IF=6.638)
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- [8] H. M. Wong#, Y. Zhao#, V. Tam, S. L. Wu, P. K. Chu, Y. F. Zheng, M. K. T. To, K. D. K. Luk, K. M. C. Cheung, and K. W. K. Yeung. In vivo Stimulation of Bone Formation by Aluminum and Oxygen Plasma Surface-Modified Magnesium Implants. *Biomaterials* 34 (2013) 9863-76. (IF=10.273)
- [9] Y. Zhao, S. M. Wong, H. M. Wong, S. L. Wu, T. Hu, K. W. K. Yeung, P. K. Chu. Effect of Carbon and Nitrogen Plasma Immersion Ion Implantation on in Vitro and in Vivo Biocompatibility of Titanium Alloy, *ACS Applied Materials & Interfaces* 5 (2013) 1510-1516. (IF=8.456)
- [10] Y. Zhao, G. S. Wu, J. Jiang, K. M. Hong, K. W. K. Yeung, P. K. Chu, Improved Corrosion Resistance and Cytocompatibility of Biomedical Magnesium Alloy by Two-Stage Cooling in Thermal Treatment. *Corrosion Science* 59 (2012) 360-365. (IF=6.355)
- [11] Y. Zhao, T. Y. Xiong, W. H. Huang, Effect of heat treatment on bioactivity of anodic titania films, *Applied Surface Science* 256 (2010) 3073-3076. (IF=5.155)
- [12] Y. Zhao, K. W. K. Yeung, P. K. Chu. Surface Functionalization of Biomedical Materials Using Plasma and Related Technologies. *Applied Surface Science* 310 (2014) 11-8. (IF=5.155)