

Curriculum Vitae

Yang Liu ph.D.

E-mail: liuyang@cczu.edu.cn; liuylnn@163.com

Telephone: +86-18861259625

Office: 0519-86330103

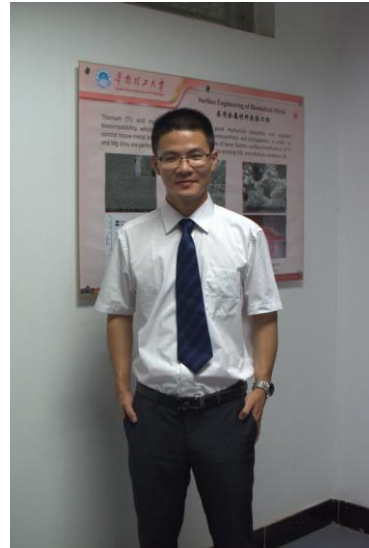
Major Research Interests:

Biomedical materials

Tissue engineering

Surface modification of materials

Anti-bacterial materials



Education & Work Experience:

Lecturer (since 2014), Institute of Biomedical Engineering and Health Sciences, Changzhou University

Doctor (2009-2014), Materials Science, South China University of Technology (*Supervisor: Prof. Wang Yingjun, Academician of Chinese Academy of Engineering*)

Bachelor (2005-2009), Materials Chemistry, China University of Geoscience

Main Publications:

1. **Yang Liu***, Zhongxun Zhang, Huilin Lv, Yong Qin, Linhong Deng. Surface modification of chitosan film via polydopamine coating to promote biomineralization in bone tissue engineering. *Journal of Bioactive and Compatible Polymers*, 2017, online.
2. **Yang Liu***, Huilin Lv, Yong Qin, Linhong Deng, YingjunWang. Modification of chitosan film via surface grafting of gentamicin molecular to improve the antibacterial property. *Journal of Controlled Release*, 2017, 259,166.
3. **Yang Liu***, Peihong Ji, Huilin Lv, Yong Qin, Linhong Deng*. Gentamicin modified chitosan film with improved antibacterial property and cell biocompatibility. *International Journal of Biological Macromolecules*, 2017, 98, 550-556.
4. **Yang Liu***, Xin Shen, Huan Zhou, Yingjun Wang, Linhong Deng*. Chemical modification of chitosan film via surface grafting of citric acid molecular to promote the biomineralization. *Applied Surface Science*, 2016, 370, 270-278. Citing articles (1)
5. **Yang Liu***, Huilin Lv, Li Ren, Guanhua Xue, YingjunWang. Improving the moisturizing properties of collagen film by surface grafting of chondroitin sulfate for corneal tissue engineering. *Journal of Biomaterials Science-Polymer Edition*, 2016, 27(8), 758-772. Citing articles (1)
6. **Yang Liu**, Li Ren, YingjunWang*. Preparation and characterization of a novel

tobramycin-containing antibacterial collagen film for corneal tissue engineering. *Acta Biomaterialia*, 2014, 10, 289-299. Citing articles (20)

7. **Yang Liu**, Li Ren, Yingjun Wang*. A Novel Collagen Film with Micro-Rough Surface Structure for Corneal Epithelial Repair Fabricated by Freeze Drying Technique. *Applied Surface Science*, 2014, 301, 396-400. Citing articles (2)
8. **Yang Liu**, Li Ren, Yingjun Wang*. Crosslinked Collagen-Gelatin-Hyaluronic Acid Biomimetic Film for Cornea Tissue Engineering Applications. *Materials Science and Engineering C*, 2013, 33(1), 196-201. Citing articles (23)
9. **Yang Liu**, Li Ren, Hang Yao, Yingjun Wang*. Collagen Films with Suitable Physical Properties and Biocompatibility for Corneal Tissue Engineering Prepared by Ion Leaching Technique. *Materials Letters*, 2012, 87, 1-4. Citing articles (11)
10. Kai Long, **Yang Liu**, Li Ren*, Wang Yingjun, Improving the mechanical properties of collagen-based membranes using silk fibroin for corneal tissue engineering, *J Biomed Mater Res A*, 2015, 103(3), 1159-1168. Citing articles (16)
11. Xuan Zhao, **Yang Liu**, Weichang Li, Kai Long, Lin Wang, Sa Liu, Yingjun Wang, Li Ren*, Collagen based film with well epithelial and stromal regeneration as corneal repair materials: Improving mechanical property by crosslinking with citric acid, *Materials Science and Engineering C*, 2015, 55, 201-208. Citing articles (14)
12. Li Weichang, Long Yuyu, **Yang Liu**, Long Kai, Liu Sa, Wang Zhichong, Wang Yingjun, Ren Li*, Fabrication and characterization of chitosan-collagen crosslinked membranes for corneal tissue engineering, *Journal of Biomaterials Science, Polymer Edition*, 2014, 25(17): 1962-1972. Citing articles (7)
13. Li Tan, Jingjing Li, **Yang Liu**, Huan Zhou, Zhiguo Zhang, Linhong Deng*, Synthesis and characterization of β -CD-conjugated alginate hydrogel for controlled release of hydrocortisone acetate in response to mechanical stimulation, *Journal of Bioactive and Compatible Polymers*, 2015, 30(6):584-599. Citing articles (1)
14. Huan Zhou*, Shiqing Kong, Zhiwei Liu, Yan Pan, **Yang Liu**, Mingzhi Luo, Linhong Deng*. Fabrication and evaluation of calcium alginate/ calcium polyphosphate composite. *Materials Letters*, 2016, 180 (1): 184-187. Citing articles (2)
15. Huan Zhou*, Saisai Hou, Mingjie Zhang, Hong Chai, **Yang Liu**, Sarit B Bhaduri, Lei Yang, Linhong Deng*. Synthesis of β -TCP and CPP containing biphasic calcium phosphates by a robust technique. *Ceramics International*, 2016, 42: 11032-11038. Citing articles (5)
16. Xuan Zhao, Kai Long, **Yang Liu**, Weichang Li, Sa Liu, Lin Wang, Yingjun Wang, Li Ren*. To prepare the collagen based artificial cornea with improved mechanical and biological property by ultraviolet-A/riboflavin crosslinking, *Journal of Applied Polymer Science*, 2017, 134(38):45226. Citing articles (0)