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研究方向:

1. 大分子自组装
2. 葡萄糖响应性聚合物设计与合成
3. 糖尿病及其并发症治疗

学习工作经历:

2019-至今 同济大学材料科学与工程学院 博士后 导师: 杜建忠 教授

2014-2019 南开大学化学学院 博士(硕博连读) 导师: 史林启 教授

部分代表性论文 (#代表共同第一作者):

1. **Li, C.**; Liu, X. Y.; Zhang, Y. L.; Lv, J.; Ma, R. J.*; An, Y. L.; Shi, L. Q.*
Nanochaperones Mediated Delivery of Insulin. *Nano Lett.* **2020**, *20*, 1755-1765.
2. Wang, T.; Li, Y. R.; Cornel, E. J.; **Li, C.***; Du, J. Z.* Combined

Antioxidant-Antibiotic Treatment for Effectively Healing Infected Diabetic Wounds based on Polymer Vesicles. *Biomaterials* **2021** (to appear).

3. **Li, C.***; Cornel, E. J.; Du, J. Z.* Advances and Prospects of Polymeric Particles for Treatment of Bacterial Biofilms. *ACS Appl. Poly. Mater.* **2021** (to appear).

4. **Li, C.**; Liu, X. Y.; Liu, Y.; Huang, F.*; Wu, G.; Liu, Y.; Zhang, Z. Z.; Ding, Y. X.; Lv, J.; Ma, R. J.*; An, Y. L.; Shi, L. Q.* Glucose and H₂O₂ Dual-sensitive Nanogels for Enhanced Glucose-responsive Insulin Delivery. *Nanoscale* **2019**, *11*, 9163-9175.

5. **Li, C.**; Wu, G.; Ma, R. J.*; Liu, Y.; Liu, Y.; Lv, J.; An, Y. L.; Shi, L. Q.* Nitrotriacetic Acid (NTA) and Phenylboronic Acid (PBA) Functionalized Nanogels for Efficient Encapsulation and Controlled Release of Insulin. *ACS Biomater. Sci. Eng.* **2018**, *4*, 2007-2017.

6. **Li, C.**; Huang, F.; Liu, Y.; Lv, J.; Wu, G.; Liu, Y.; Ma, R. J.*; An, Y. L.; Shi, L. Q.* Nitrotriacetic Acid-Functionalized Glucose-Responsive Complex Micelles for the Efficient Encapsulation and Self-Regulated Release of Insulin. *Langmuir* **2018**, *34*, 12116-12125.

7. Ma, F. H.; **Li, C.**; Liu, Y.*; Shi, L. Q.* Mimicking Molecular Chaperones to Regulate Protein Folding. *Adv. Mater.* **2019**, *32*, 1805945.

8. Liu, X. Y.#, **Li, C.#**; Lv, J.; Huang, F.*; An, Y. L.; Shi, L. Q.*; Ma, R. J.* Glucose and H₂O₂ Dual-Responsive Polymeric Micelles for Self-Regulated Release of Insulin. *ACS Appl. Bio Mater.* **2020**, *3*, 1598-1606.

9. Wu, G.#; **Li, C.#**; Liu, X. Y.; Lv, J.; Ding, Y. X.; Liu, Y.; Liu, Y.; Huang, F.*; Shi, L. Q.*; An, Y. L.; Ma, R. J.* Glucose-responsive Complex Micelles for Self-regulated Delivery of Insulin with Effective Protection of Insulin and Enhanced Hypoglycemic Activity In Vivo. *Colloids Surf., B* **2019**, *180*, 376-383.

科研项目:

国家自然科学基金青年项目, 52003195, 2021-01 至 2023-12, 24 万元, 主持;

中国博士后基金面上项目, 2019M661614, 2020-01 至 2021-12, 8 万元, 主持;