



所属学院 化学与分子工程学院

学科领域 胶体与界面化学

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个人简介

韩霞，副教授，硕士生导师，华东理工大学物理化学专业博士，2006 年入校工作至今。迄今为止，已在 Langmuir, Macromol. Rapid Commun., Appl. Surf. Sci. 等学术刊物发表 SCI 论文 50 余篇；申请发明专利 4 项，授权 3 项；负责国家自然科学基金项目 5 项。

研究方向

聚合物刷膜及其抗污表面的应用；

聚合物胶体颗粒及其在乳液和药物控释的应用；

两性离子水凝胶及其在药物控释和化妆品中的应用。

研究成果及主要发表文章

1. Xiaolu Chen, Yadan Zhai, Xia Han*, Honglai Liu, Ying Hu. Surface chemistry-dominated underwater superoleophobic mesh with mussel-inspired zwitterionic coatings for oil/water separation and self-cleaning. Applied surface science, 2019, 483, 399-408.
2. Xia Han,† Xiaolu Chen,† Mengfei Yan, Honglai Liu*. Synergetic effect of polydopamine particles and in-situ fabricated gold nanoparticles on the charge-dependent catalytic behaviours. Particuology, 2019, 44, 63-70.
3. Hui Sun, Jing Chen, Xia Han*, Honglai Liu. Multi-responsive hydrogels with UCST- and LCST-induced shrinking and controlled release behaviors of rhodamine B. Materials Science & Engineering C, 2018, 82C, 284-290.
4. Xia Han, Hsiang-Chieh Hung, Priyesh Jain, Fang Sun, Xuewei Xu, Wei Yang, Tao Bai, Shaoyi Jiang*. Sterilization, hydration-dehydration and tube fabrication of zwitterionic hydrogels. Biointerphases, 2017, 12, 02C411(1-6).
5. Hui Sun, Xiaolu Chen, Xia Han*, Honglai Liu. Dual-thermoreponsive aggregation of schizophrenic PDMAEMA-b-PSBMA copolymer with an unrepeatabile pH response and a recycled CO₂/N₂ response. Langmuir, 2017, 33 (10), pp 2646–2654.
6. Xiaolu Chen, Hui Sun, Jun Hu, Xia Han , Honglai Liu, Ying Hu. Transferrin gated mesoporous silica nanoparticles for redox-responsive and targeted drug delivery. Colloids and Surfaces B: Biointerfaces 152 (2017) 77–84.