

合肥学院研究生校内导师简介

姓名	张凝	性别	女	
学历	研究生	学位	博士	
院系	生物食品与环境学院	专业技术职务及专家称谓	教授,安徽省杰出青年科学基金获得者	
邮箱	zhn@hfuu.edu.cn		联系方式	
主要研究领域及方向	<p>生物材料:</p> <ol style="list-style-type: none"> 1. 基于小分子载体的蛋白质药物递送系统 2. 基于仿生智能水凝胶的三维细胞培养体系 3. 基于导电高分子材料的生物传感器 			
个人简历	<p>张凝, 女, 博士, 教授, 硕士生导师, 安徽省生物化学与分子生物学会理事。目前主要从事仿生智能生物材料领域的研究。已在 PNAS, J. Am. Chem. Soc., Angew. Chem. Int. Ed., Adv. Mater. 等国际学术期刊发表 SCI 文章 27 篇, 其中第一或通讯作者文章 15 篇, 影响因子总和超过 150, 引用次数超过 500 次, H index 12 (google scholar)。</p> <p>教育研究背景:</p> <p>2000-2004, 中国科学技术大学, 生命科学学院, 学士学位 2004-2007, 中国科学技术大学, 生命科学学院, 硕士学位 2007-2012, 美国俄亥俄州立大学, 化学与生物分子工程系, 博士学位 2012-2013, 美国麻省理工学院, Koch 癌症研究所, 助研 2013-2014, 美国哈佛大学, 麻省总医院, 博士后 2014-2017, 中国科学技术大学, 化学与材料科学学院, 副研究员 2017-迄今, 合肥学院, 教授</p>			
近五年主要科研项目	<ol style="list-style-type: none"> 1. 国家自然科学基金面上项目: 基于多肽小分子-蛋白偶联体的穿膜运输技术及多蛋白协同作用机制研究, 2018 年, 主持 2. 安徽自然科学基金杰青项目: 仿生功能材料, 2019 年, 主持 3. 国家自然科学基金青年项目: 神经再生中电信号传导模式的功能研究及其在神经导管中的应用, 2015 年, 主持 4. 安徽自然科学基金青年项目: 跳跃式传导神经导管的研制及其在神经再生中的功能研究, 2015 年, 主持 			

<p>主要成果 (论文、 著作、专 利等)</p>	<ol style="list-style-type: none"> 1. Lu H., Zhang N. and Ma M., Electroconductive hydrogels for biomedical applications, <i>Wiley Interdiscip Rev Nanomed Nanobiotechnol</i>, 2019, e1568 2. Chen Q., Yan X. N., Lu H., Zhang N. and Ma M. M., Programmable Polymer Actuators Perform Continuous Helical Motions Driven by Moisture, <i>Acs Applied Materials & Interfaces</i>, 2019, 11 (22), 20473-20481 3. Chen Q., Wang X. Q., Chen F., Zhang N. and Ma M. M., Extremely strong and tough polythiophene composite for flexible electronics, <i>Chemical Engineering Journal</i>, 2019, 368 933-940 4. Abdullah M. I., Hameed A., Zhang N. and Ma M. M., Nickel Nanocrystal Assemblies as Efficient Electrocatalysts for Hydrogen Evolution from pH-Neutral Aqueous Solution, <i>Chemelectrochem</i>, 2019, 6 (7), 2100-2106 5. Abdullah M. I., Hameed A., Zhang N. and Ma M. M., Nickel doped cobalt - hollow nanoparticles as an efficient electrocatalyst for hydrogen evolution from neutral water, <i>International Journal of Hydrogen Energy</i>, 2019, 44 (29), 14869-14876 6. Abdullah M. I., Hameed A., Zhang N. and Ma M. M., Ultrasonic-Assisted Synthesis of Amorphous Polyelemental Hollow Nanoparticles as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting, <i>Advanced Materials Interfaces</i>, 2019, 6 (16), 7. Zhao X., Chen F., Li Y. H., Lu H., Zhang N. and Ma M. M., Bioinspired ultra-stretchable and anti-freezing conductive hydrogel fibers with ordered and reversible polymer chain alignment, <i>Nature Communications</i>, 2018, 9 8. Zhang L., Liu B. R., Zhang N. and Ma M. M., Electrosynthesis of Co₃O₄ and Co(OH)₂ ultrathin nanosheet arrays for efficient electrocatalytic water splitting in alkaline and neutral media, <i>Nano Research</i>, 2018, 11 (1), 323-333 9. Wang X. Q., Ding Y. J., Lu H., Chen F., Zhang N. and Ma M. M., Chemoselective solution synthesis of pyrazolic-structure-rich nitrogen-doped graphene for supercapacitors and electrocatalysis, <i>Chemical Engineering Journal</i>, 2018, 347 754-762 10. Liu B. R., Zhang N. and Ma M. M., Cobalt-based nanosheet arrays as efficient electrocatalysts for overall water splitting, <i>Journal of Materials Chemistry A</i>, 2017, 5 (33), 17640-17646 11. Liu B. R., Rose A., Zhang N., Hu Y. Y. and Ma M. M., Efficient Co-Nanocrystal-Based Catalyst for Hydrogen Generation from Borohydride, <i>Journal of Physical Chemistry C</i>, 2017, 121 (23), 12610-12616 12. Li W. W., Lu H., Zhang N. and Ma M. M., Enhancing the Properties of Conductive Polymer Hydrogels by Freeze-Thaw Cycles for High-Performance Flexible Supercapacitors, <i>Acs Applied Materials & Interfaces</i>, 2017, 9 (23), 20142-20149 13. Gao F. X., Zhang N., Fang X. D. and Ma M. M., Bioinspired Design of Strong, Tough, and Highly Conductive Polyol-Polypyrrole Composites for Flexible Electronics, <i>Acs Applied Materials & Interfaces</i>, 2017, 9 (7), 5692-5698 14. Gao F. X., Zhang N., Fang X. D. and Ma M. M., Magnetically directed soft actuators driven by moisture, <i>Journal of Materials Chemistry C</i>, 2017, 5 (17), 4129-4133 15. Zhang N., Yan Z. Q., Zhao X., Chen Q. and Ma M. M., Efficient Mini-Transporter for Cytosolic Protein Delivery, <i>Acs Applied Materials & Interfaces</i>, 2016, 8 (39), 25725-25732 16. Li W. W., Gao F. X., Wang X. Q., Zhang N. and Ma M. M., Strong and Robust Polyaniline-Based Supramolecular Hydrogels for Flexible Supercapacitors, <i>Angewandte Chemie-International Edition</i>, 2016, 55 (32), 9196-9201
<p>获奖 情况</p>	<p>2018, 合肥市创新领军人才 2019, 安徽省杰出青年基金</p>