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科研项目	<p>1. 天津大学-四川创新研究院：光（声）动力疗口腔健康管理产品（2020.09–2022.09），200万元，在研，首席科学家。</p> <p>2. 国家自然科学基金面上项目（81972903）：基于肿瘤氧供与高渗透策略构建多功能红细胞及其联合光热/光动力与免疫疗法治疗三阴性乳腺癌（2020.01–2023.12），60万，在研，主持人。</p> <p>3. 天津医科大学重大项目：天津医科大学基础医学卓越人才（2020.01–2025.12），30万，在研，主持人。</p> <p>4. 企业合作开发项目：不同处方组成的牙膏抑制口腔疾病性能考察（2021.07–2023.07），23万，在研，主持人。</p> <p>5. 企业合作开发项目：五味子抗氧化活性成分与美容胜肽偶联产品（2021.11–2023.11），20万，在研，主持人。</p> <p>6. 天津市自然科学基金重点项目（18JCZDJC33400），白细胞/血小板混合膜介导的仿生纳米载药体系联合光热/光动力与免疫疗法靶向治疗三阴性乳腺癌的研究（2018.04–2021.04），20万元，已结题，主持人。</p> <p>7. 天津市高校中青年骨干创新人才（2017.09–2020.08），45万元，已结题，主持人。</p> <p>8. 天津医科大学卓越人才基金（2016.01–2019.12）120万元，已结题，主持人。</p> <p>9. 国家自然科学基金面上项目（81573005）：联合声动力、化疗与免疫疗法的多功能纳米治疗体系的构建及其靶向抗肝癌作用研究（2016.01–2019.12），68万，已结题，主持人。</p> <p>10. 国家自然科学基金面上项目（81371671）：双重响应的基因/化疗药物共载时序释放纳米递送体系靶向抗肝癌研究（2014.01–2017.12），70万，已结题，主持人。</p> <p>11. “973”计划项目（No. 2011CB933100）：基于纳米技术的肝癌早期诊断的研究（2011.01–2015.12），2500万元，已结题，学术骨干。</p>

科研项目	<p>12. 国家自然科学基金青年基金项目（30900303）：一种用于肿瘤联合治疗的 pH 敏感纳米药物输送体系的研究（2010.01–2012.12），21 万，已结题，主持人。</p> <p>13. 博士后基金特别资助（No. 201104308）：细胞核靶向的 pH 敏感普鲁兰多糖纳米载体逆转肿瘤多药耐药的研究（2011.10–2013.10），10 万，已结题，主持人。</p> <p>14. 博士后基金面上项目（No. 20100480654）：基于逆转肿瘤多药耐药的 pH 敏感普鲁兰多糖纳米载药体系的研究（2010.12–2012.12），3 万，已结题，主持人。</p>
荣誉奖励	
	<ol style="list-style-type: none"> 1. 天津市高校中青年骨干创新人才 2. 天津医科大学“十四五”基础医学卓越人才 3. 天津医科大学“十三五”基础医学卓越人才 4. 天津医科大学“十一五”新世纪优秀人才 5. 天津市 2013 年度自然科学奖二等奖
其他事项	<ol style="list-style-type: none"> 1. 中国抗癌协会纳米肿瘤学专业委员会委员 2. 中国生物材料学会纳米生物材料分会委员 3. 中国生物医学工程学会纳米医学与工程分会委员 4. 国家自然科学基金委及北京自然科学基金委函评专家 5. Cancer Biology & Medicine 期刊编委 6. Adv Func Mater, ASC Nano, Biomaterials, ACS Appl Mater Interfaces, J Control Release, Theranostics, Acta Biomater, Carbohydr Polym 等国际期刊评审专家