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**学术经历**

2016-现在 苏州大学放射医学与防护国家重点实验室 教授/博导

2011-2016 加州大学洛杉矶分校医学院 博士后

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2005-2011 中科院大连化学物理研究所 分析化学博士

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 **研究方向**

* 类酶功能材料的设计与制备
* 免疫响应及代谢功能的催化调控机制
* 针对肿瘤转移、衰老、细菌感染的催化药物

**学术成果简介**

李瑞宾，苏州大学放射医学与辐射防护国家重点实验室教授、博士生导师，主要从事类酶功能材料的设计，催化生物学机制探索及催化药物的应用研究。发表SCI论文70篇，全部论文谷歌引用7000余次，H指数45。发表（或接受）通讯作者论文40多篇（一区, 35篇），包括Nat Nanotech (1篇), Nat. Commun. (6篇), Angew. Chem.-Int. Ed. (5篇), J. Am. Chem. Soc. (2篇), PNAS (1篇)，Environ. Health Perspect. (1篇)等。申请发明专利9项，国际专利2项，已授权6项。主持研发的细胞活性检测设备与试剂盒获批4项I类医疗器械，已开展市场销售。建立的纳米颗粒放射标记动物体内检测方法获得国家标准立项。主持国家级科技项目4项，包括国家“千人计划”青年项目，科技部重点研发政府间创新合作项目，基金委面上项目。主持省级科技项目5项，包括江苏省“双创团队”、 “杰出青年科学基金”、江西省“双千计划”等。入选ELSEVIER“中国高被引学者”，受邀担任ELSEVIER旗下NanoImpact期刊（IF：5.3）副主编，中国毒理学会纳米毒理学专业委员会、中国生物物理学会纳米酶专业委员会委员，国际标准委员会（ISO）TC229工作组注册专家。

**基金项目**

2023年，苏州医学院“杰青”培育项目，100万，项目主持

2021年，江苏省杰出青年项目，100万，项目主持；

2020年，江苏省“双创团队”领军人才，300万，项目主持；

2020年，江西省创业“双千计划”，500万，项目主持；

2020年，科技部重点研发计划变革性关键科学问题，80万，参与；

2020年，国家科技部国际合作重点专项，103万，项目主持；

2019年，国家基金委面上项目，65万，项目主持；

2018年，江苏省社会发展重点项目， 200万， 项目主持；

2017年，江苏省“双创人才计划”； 50万， 项目主持；

2017年，江苏省高等学校自然科学研究重大项目, 30万, 项目主持;

2016年，国家自然科学基金委面上项目，62万，项目主持；

2016年，国家“千人计划”青年项目，300万，项目主持

**代表性学术论文**

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3. Huang Y, Cao J, Li X\*, Yang Q, Xie Q, Liu X, Cai X\*, Chen J, Hong H, **Li R\***, Multimodal Feature Fusion Machine Learning for Predicting Chronic Injury Induced by Engineered Nanomaterials, ***Nat. Commun.*** 2025, DOI: 10.1038/s41467-025-58016-w.
4. Tian M, Wu D, Gou X, **Li R**\*, Zhang X\*, Genetic Modulation of Rare Earth Nanoparticle Biotransformation Shapes Biological Outcomes, ***Nat. Commun.*** 2025, DOI: 10.1038/s41467-025-58520-z.
5. Jiang J, Yang L, Xie Q, Liu X, Jiang J, Zhang J, Zhang S, Zheng H, Li W, Cai X, Liu S\*, **Li R**\*, Synthetic Vectors for Activating the Driving Axis of Ferroptosis, ***Nat. Commun.*** 2024, 7923.
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