

附件 1

2024 年度广西科学技术奖提名形审公示表

成果名称		新型多功能纳米材料在神经疾病和癌症治疗中的应用与机制研究							
候选个人 (完成人)		莫靖欣, 韦荔莉, 王力, 杨冰							
候选组织 (完成单位)		桂林医学院附属医院							
提名者		广西壮族自治区卫生健康委员会							
论文名称	刊名	发表日期 (年月日)	第一作者 (含共同)	通讯作者 (含共同)	年卷页 (xx 年 xx 卷 xx 页)	他引 次数	检索数 数据库	署名 单位	广西单位 是否署名 前三
Dual-responsive, Methotrexate-loaded, Ascorbic acid-derived Micelles Exert Anti-tumor and Anti-metastatic Effects by Inhibiting NF- κ B Signaling in an Orthotopic Mouse Model of Human Choriocarcinoma.	Theranostics	2019. 6. 9	Wei, Lili#(韦荔莉), Wang, Chenyuan (王晨媛)	Shi, Sanjun (石三军); Mo, Jingxin (莫靖欣)	2019, 9 (15): 4354-4374.	13	SCI	1. Clinical Research Center for Neurological Diseases of Guangxi Province, The Affiliated Hospital of Guilin Medical University, Guilin 541001, China (桂林医学院附属医院神经系统疾病临床医学研究中心) 2. Department of Pharmacy, The Affiliated Hospital of Guilin Medical University, Guilin 541001, China (桂林医学院附属医院药学院) 3. Department of Pharmacy, Institute of Surgery Research, Daping Hospital, Third Military	是

								<p>Medical University, Chongqing 400042, China (第三军医大学大坪医院药剂科) 4.</p> <p>Department of Reproductive Medicine, The Second Affiliated Hospital of Guangzhou University of Chinese Medicine, Guangzhou 510623, China (广州中医药大学第二附属医院生殖医学科)</p> <p>5. School of Chemistry, University of New South Wales, Sydney, NSW 2052, Australia (澳大利亚新南威尔士大学化学院) 6.</p> <p>Department of Gynecology, The Affiliated Hospital of Guilin Medical University, Guilin 541001, China (桂林医学院附属医院妇科) 7.</p> <p>Department of Gynecology, Guangzhou Women and Children's Medical Center, Guangzhou 510623, China (广州妇女儿童医院妇科)</p> <p>8. Division of</p>
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								Pharmacy, School of Allied Health, University of Western Australia, Perth, WA 6009, Australia. (西澳大利亚大学综合健康学院药学部) 9. Sun Yat-sen University Cancer Center, State Key Laboratory of Oncology in South China, Collaborative Innovation Center of Cancer Medicine, Guangzhou 510623, China (中山大学肿瘤防治中心, 华南肿瘤国家重点实验室, 肿瘤医学协同创新中心)	
Metal ion-respon sive nanocarrie r derived from phosphonat ed calix[4]ar enes for delivering dauricine specificall y to sites of brain injury in a mouse model of intracereb ral hemorrhage	Journal of Nanobiotec hnology	2020. 4. 1 9	Li, Mingxin# (李明 新)	Chen, Wei*(陈 薇); Mo, Jingxin *(莫靖 欣)	18, 61 (2020)	13	SCI	1 Clinical Research Center for Neurological Diseases of Guangxi Province, The Affiliated Hospital of Guilin Medical University, Guilin 541001, China. (桂林医 学院附属医院神 经系统疾病临床 医学研究中心) 2 School of Pharmacy, Guilin Medical University, Guilin 541001, China. (桂林医	是

								学院药学院) 3 School of Chemistry, University of New South Wales Sydney, Kensington, NSW 2052, Australia. (澳 大利亚新南威尔 士大学化学院) 4 Division of Pharmacy, School of Allied Health, University of Western Australia, Perth, WA 6009, Australia. (西 澳大利亚大学综 合健康学院药学 部) 5 Department of Radiology, Affiliated Hospital of Jilin Medical University, Jilin 132013, China. (吉林医 药学院附属医院 放射科) 6 Department of Pharmacy, The Affiliated Hospital of Guilin Medical University, Guilin 541001, China. (桂林医 学院附属医院药 学部)	
Multifunct ional nanopartic les for co-deliver y of paclitaxel and carboplati	Nanoscale	2017. 8. 3	Mo, Jingxin# (莫靖 欣); Wang, Li (王力);	Wu, Jun*(吴 钧); Lim, Lee Yong* (林丽 蓉); Zhao,	2017, 9 (3 5): 13142 -13152.	28	SCI	Key Laboratory for Stem Cells and Tissue Engineering, Ministry of Education, Sun Yat-sen University, Guangzhou	是

<p>n against ovarian cancer by inactivating the JMJD3-HER2 axis</p>				<p>Wei*(赵蔚)</p>			<p>510080, China. (中山大学教育部干细胞与组织工程重点实验室) Musculoskeletal Oncology Center, the First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China (中山大学第一附属医院骨肌肉肿瘤中心) Pharmacy, the Affiliated Hospital of Guilin Medical University, China (桂林医学院附属医院药学部) School of Chemistry and Biochemistry, The University of Western Australia (西澳大利亚大学化学与生物化学学院), Centre for Nanoscale Science and Technology, School of Chemical and Physical Sciences, Flinders University (弗林德斯大学化学与物理科学学院纳米科学与技术中心), Guangdong Provincial Key Laboratory of Sensor</p>	
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								Technology and Biomedical Instrument, School of Engineering, Sun Yat-sen University, Guangzhou, 510006, Guangdong, P. R. China (中山大学工学院广东省传感技术与生物医学仪器重点实验室). Pharmacy, School of Allied Health, University of Western Australia, Australia 西澳大利亚大学综合健康学院药学部).	
Characterization of an amphiphilic phosphonated calixarene carrier loaded with carboplatin and/or paclitaxel : a preliminary study to treat colon cancer in vitro and in vivo	Frontiers in Bioengineering and Biotechnology	2019.10.01	Meiyang Li (李美营), Liu Jun Mao (毛柳珺)	Jingxin Mo (莫靖欣)	7: 238. doi: 10.3389/fbioe.2019.0023.	18	SCI	Clinical Research Center for Neurological Diseases of Guangxi Province, Affiliated Hospital of Guilin Medical University, Guilin, China. 广西神经疾病临床研究中心, 桂林医学院附属医院, 中国桂林。 School of Pharmacy, Guilin Medical University, Guilin, China. 桂林医学院药学院, 中国桂林。 Department of Further-Education, Affiliated Hospital of	是

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Synthesis of TPGS/curcumin nanoparticles by thin-film hydration and evaluation of their anti-colon cancer efficacy in vitro and in vivo.	Frontiers in Pharmacology	2019. 7. 12	Hong Li (李宏), Liping Yan(严丽萍)	Guohao Liu (刘国浩), Jingxin Mo(莫靖欣)	doi: 10. 3389/fphar. 2019. 00769	48	SCI	Clinical Research Center for Neurological Diseases of Guangxi Province, The Affiliated Hospital of Guilin Medical University, Guilin, China. 广西省神经疾病临床研究中心, 桂林医学院附属医院, 中国桂林。 Department of Gastroenterology, The Second People's Hospital of Guilin, Guilin, China. 桂林市第二人民医院消化内科, 中国桂林。 Department of Gastroenterology, The Affiliated Hospital of Guilin Medical University, Guilin, China. 桂林医学院附属医院消化内科,	是

							中国桂林。 Department of Radiology, The Affiliated Hospital of Jilin Medical University, Jilin, China. 吉林医学院附属医院放射科, 中国吉林。 School of Allied Health, Faculty of Health and Medical Sciences, University of Western Australia, Perth, WA, Australia. 西澳大利亚大学健康与医药科学学院联合健康学院, 澳大利亚珀斯。 Department of Ultrasound, the First Affiliated Hospital of China Medical University, Shenyang, China. 中国医科大学附属第一医院超声科, 中国沈阳。		
Intranasal administration of dauricine loaded on graphene oxide: multi-target therapy for Alzheimer's disease	Drug Delivery	2021. 3. 17	Kaixuan Wang#(王凯旋); Lingfeng Wang(王凌峰)	Jingxin Mo(莫靖欣); Wei Chen(陈薇)	2021, 28(1): 580-593.	19	SCI	School of Pharmacy, Guilin Medical University, Guilin, China (桂林医学院药学院); School of Pharmacy, Zhejiang Chinese Medical University, Zhejiang, China (浙江中医药大学药学院); Department of	是

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Curcumin: a calixarene derivative micelle potentiates anti-breast cancer stem cells effects in xenografted, triple-negative breast cancer mouse models	Drug Delivery	2017.11.01	Wei Chen (陈薇), Lin Li(李林)	Jingxin Mo(莫靖欣)	2017, 24: 1, 1470-1481	28	SCI	Department of Pharmacy, Affiliated Hospital of Guilin Medical University, Guilin, China (桂林医学院附属医院药学部); Department of Pharmacy, Nanchong Central Hospital, Nanchong, China (南充中心医院药剂科); Department of Pharmacy, the 303rd Hospital of the Chinese People's Liberation Army, Nanning, China (解放军303医院, 药学部); School of Pharmacy, Guilin Medical University, Guilin, China (桂林医学院药学院); Key Laboratory for Stem Cells and Tissue Engineering, Ministry of Education, Sun Yat-sen University, Guangzhou, China (中山大学	是

								教育部干细胞与组织工程重点实验室)	
Preparation and characterization of loperamide-loaded Dynasan 114 solid lipid nanoparticles for increased oral absorption in the treatment of diarrhoea.	Frontiers in Pharmacology	2016. 9. 12	Lili Wei (韦荔莉), Yunfang Yang (杨云芳)	Jingxin Mo(莫靖欣)	doi: /10.3389/fphar.2016.00332	30	SCI	Department of Pharmacy, Affiliated Hospital of Guilin Medical University, Guilin, China. 桂林医学院附属医院药剂科, 中国桂林. Department of Cardiology, The Second Affiliated Hospital of Guilin Medical University, Guilin, China. 桂林医学院第二附属医院心内科, 中国桂林. Department of Gynecology, Guangzhou Women and Children's Medical Centre, Guangzhou, China. 广州妇女儿童医疗中心妇科, 中国广州. School of Engineering, Sun Yat-sen University, Guangzhou, China. 中山大学工程学院, 中国广州. Department of Histology and Embryology, Zhongshan School of Medicine, Sun Yat-sen University, Guangzhou, China; Key	是

								Laboratory for Stem Cells and Tissue Engineering, Ministry of Education, Sun Yat-sen University, Guangzhou, China. 中山大学中山医学院组织学与胚胎学系, 中国广州; 教育部中山大学干细胞与组织工程重点实验室, 中国广州。
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提名意见:

根据《广西科学技术奖励办法》《广西科学技术奖励办法实施细则》相关规定, 提名该个人、组织为科学技术奖(自然科学奖) 二等、三等奖候选个人、候选组织。

第一候选组织简介(不超过200字):

桂林医学院附属医院是广西壮族自治区重要的医疗、教学和科研基地, 致力于为广大患者提供高质量的医疗服务。医院设有多个专业科室和研究机构, 其中神经科学实验室在先进智能材料的医学应用领域取得了显著成就。医院以其卓越的科研能力和创新成果, 在推动区域医疗技术进步方面发挥了重要作用。桂林医学院附属医院秉承“厚德、精医、创新、发展”的宗旨, 不断提升医疗水平, 为广西乃至全国的医学研究和临床实践做出积极贡献。

成果简介(不超过500字):

莫靖欣研究员在先进智能材料医学应用领域取得了卓越的科研成果, 尤其在药剂学和神经科学方面做出了重要贡献。他主持的多靶点复合杯芳烃金纳米粒在阿尔茨海默症诊断与治疗中的应用研究, 揭示了该纳米粒的多重靶向机制, 为阿尔茨海默症的精准医疗提供了新的思路。该项目获得了国家自然科学基金的资助(批准号: 81860629), 并已在《Theranostics》等高影响力期刊上发表多篇论文。

此外, 莫研究员在智能纳米载药系统的开发中也取得了突破性进展。他开发的基于磷酸化杯[4]芳烃的金属离子响应纳米载体, 能够将防治脑出血的药物蝙蝠葛碱(DRC)精准送达脑损伤部位。该纳米载体显著减少了脑水肿, 恢复了血脑屏障的完整性, 并减轻了神经功能缺损。相关研究成果已在《Journal of Nanobiotechnology》等高影响力期刊发表。

莫靖欣研究员的研究不仅在学术界获得了高度评价, 还对实际临床应用产生了深远影响。他的工作推动了智能材料在医学中的广泛应用, 为疾病的精准治疗和新药开发提供了重要理论和技术支持。这些成果不仅提升了广西地区的科技水平, 也为全球相关领域的研究提供了宝贵的经验和启示。

候选个人合作情况

候选个人合作关系说明

(候选个人不在同一工作单位的, 应填写该说明。候选个人均为同一单位则不用填写该说明。)

无

以上合作关系情况详见附表。

附表：候选个人合作情况汇总表

序号	合作方式	合作者	合作时间	合作成果	附件编号	备注