

2026生物工程学院重庆大学优秀博士、硕士学位论文推荐材料公示

根据《关于评选2026年度重庆大学优秀博士、硕士学位论文（实践成果）的通知》，经本人申请，学院学位评定分委员会对优博、优硕学位论文申请者的材料进行了初审，分委会综合考虑学位论文的评阅意见及取得的科研成果，拟推荐以下同学参加2026年重庆大学优秀博士、硕士学位论文评选。特此公示。

序号	学位层次	作者姓名	授予学位日期	一级学科代码及名称	论文题目	学位论文评审意见（等级、得分、是否推荐优秀学位论文）	取得科研成果
1	博士	李轩	2025.06.25	0831 生物医学工程	针对老年患者骨整合的钛基植入体表面改性及其生物学评价	评审意见1: A 93 推荐 评审意见2: A 92 推荐 评审意见3: A 86 推荐 评审意见4: A 91 推荐 评审意见5: A 93 推荐 平均分: 91	1. Micronano Titanium Accelerates Mesenchymal Stem Cells Aging through the Activation of Senescence-Associated Secretory Phenotype, ACS Nano (自然指数期刊), SCI一区论文1篇, Top 2, IF=17.1, 本人第一; 2. ROS-responsive hydrogel coating modified titanium promotes vascularization and osteointegration of bone defects by orchestrating immunomodulation, Biomaterials, SCI一区论文1篇, A类, IF=12.9, 本人第一; 3. Enhanced Osteointegration of Implants in Aged Rats via a Stem Cell Pool Aging Reversion Strategy, Biomaterials, SCI一区论文1篇, A类, IF=12.9, 本人第一; 4. Directed Rescue Strategy for Enhanced Implant Osteointegration in Aged Rats, Nature Communications (自然指数期刊), SCI一区论文1篇, Top 2, IF=15.7, 本人第一

2	博士	柏亚七	2025.06.25	0831 生物医学工程	基于微流控芯片的高效稳定细胞电融合方法研究	评审意见1: A 91 推荐 评审意见2: A 90 推荐 评审意见3: A 90 推荐 评审意见4: A 93 推荐 评审意见5: A 89 不推荐 平均分: 90.6	1. Microfluidic Chip for Cell Fusion and In Situ Separation of Fused Cells, Analytical Chemistry (自然指数期刊), SCI一区论文1篇, Top 2, IF=6.7, 本人第一; 2. Mechanisms and Factors Influencing the Production of Uniform-Sized Giant Unilamellar Vesicles by Directe Lipid Film Arrays, ACS Applied Materials & Interfaces, SCI二区论文1篇, A类, IF=8.3, 本人第一; 3. Controllable and Stable Fusion Strategy on Microfluidic, Analytical Chemistry (自然指数期刊), SCI一区论文1篇, Top 2, IF=6.7, 本人第一; 4. 发明专利(2024年4月30日获权): 柏亚七, 胡俊杰, 胡宁, 杨军, 王琼。一种用于制备均一化巨型脂质体的芯片及方法, ZL202211406919.1 5. 发明专利(2024年7月23日获权): 柏亚七, 王雪峰, 胡宁, 鞠煌先, 许梦丽, 杨军, 吴洁, 张小玲, 郑小林。一种基于侧向双孔结构的细胞电融合芯片装置, ZL202211542444.9
3	博士	谢西月	2025.6.25	0831 生物医学工程	纳米组装体调制界面电子转移的高重复性肿瘤 miRNA 传感器	评审意见1: A 92 推荐 评审意见2: A 89 推荐 评审意见3: A 88 推荐 评审意见4: A 91 不推荐 评审意见5: B 80 推荐 平均分: 88	1. Photoexcited Electro-Driven Reactive Oxygen Species Channeling for Precise Extraction of Biomarker Information from Tumor Interstitial Fluid, Small, SCI二区论文1篇, A类, IF=13, 本人第一; 2. Constraint Coupling of Redox Cascade and Electron Transfer Synchronization on Electrode-Nanosensor Interface for Repeatable Detection of Tumor Biomarkers, Small Methods., SCI二区论文1篇, A类, IF=10.7, 本人第一; 3. Redox Host Guest Nanosensors Installed with DNA Gatekeepers for Immobilization-Free and Ratiometric Electrochemical Detection of miRNA, Small Methods, SCI一区论文1篇, A类, IF=15.4, 本人第一; 4. Intervention of Polydopamine Assembly and Adhesion on Nanoscale Interfaces: State-of-the-Art Designs and Biomedical Applications, Advanced Healthcare Materials, SCI一区论文1篇, A类, IF=11.0, 本人第一; 5. 一种基于光发电驱动活性氧通道的生物标志物检测方法及应用, 发明专利, 授权, 本人第二(导师第一)

4	博士	杨思义	2024.12.26	0831 生物医学工程	基于过渡金属硼化物的纸基DNA 生物传感器构建及其肺癌ctDNA 检测研究	评审意见1: B 81 不推荐 评审意见2: A 85 不推荐 评审意见3: A 91 推荐 平均分: 86	1. MBene nanosheets with DNA adsorbability for circulating tumor DNA assay via fluorescence biosensing and paper-based microfluidic POCT, Advanced Functional Materials (自然指数期刊), SCI一区论文1篇, Top 2, IF=19.4, 本人第一; 2. MBene as novel and effective electrochemical material used to enhance paper-based biosensor for point-of-care testing ctDNA from mice serum, Chemical Engineering Journal, SCI一区论文1篇, A类, IF=13.5, 本人第一; 3. A pop-up paper-based biosensor for dual-mode lung cancer ctDNA assay based on novel CoB with dual-enzyme activities and portable smartphone/barometer for readout, ACS Sensors, SCI一区论文1篇, A类, IF=9.0, 本人第一; 4. A portable smartphone detection of ctDNA using MnB2 nanozyme and paper-based analytical device, Talanta, SCI一区论文1篇, A类, IF=5.5, 本人第一。
1	硕士	夏雨婷	2025.6.25	077700生物医学工程	麦芽糖酶-葡糖淀粉酶与黄酮的构效关系及分子模拟研究	评审意见1: A 93 推荐 评审意见2: A 95 推荐 平均分: 94	1. Insight into the Interaction mechanism of vitamin D against metabolic syndrome: a Meta-analysis and in Silico Study, Foods, SCI二区论文1篇, A类, IF=5.1, 本人第一; 2. Unraveling the binding and dissociation kinetics of flavonoids to maltase-glucoamylase via multiscale simulations and spectroscopy, Journal of Molecular Liquids, SCI二区论文1篇, A类, IF=5.2, 本人第一; 3. Insight into covalent conjugates of β -lactoglobulin with rutin: Characterizing allergenicity, digestibility, and antioxidant properties in vitro, Food Research International, SCI一区论文1篇, A类, IF=8, 本人共一排二; 4. Exploring novel lead scaffolds for SGLT2 inhibitors: Insights from machine learning and molecular dynamics simulations, International Journal of Biological Macromolecules, SCI二区论文1篇, A类, IF=8.5, 本人共一排二;

2	硕士	李旭恒	2025.6.25	077700生物医学工程	基于等温扩增技术与CRISPR/Cas12a对转基因作物核酸靶标的检测研究	评审意见1: A 95 推荐 评审意见2: A 90 推荐 平均分: 92.5	1.Deep learning assisted, smartphone based universal Multi-RPA-CRISPR/ Cas12a-G4 portable chip for simultaneous detection of CaMV35S and NOS, FOOD CONTROL, 1区A类 IF: 6.3 第一作者; 2.Rapid, portable, and sensitive detection of CaMV35S by RPA-CRISPR/Cas12a-G4 colorimetric assays with high accuracy deep learning object recognition and classification, TALANTA, 1区A类 IF: 6.1 共一第一; 3.Sensitive detection of CaMV35S based on exponential rolling circle amplification reaction and CRISPR/Cas12a using a portable 3D-printed visualizer, MICROCHEMICAL JOURNAL, 2区A类, IF: 4.9 共一第二; 4.Photo-to-answer: development of a universal and intelligent multi-channel sensor array for reducing substance detection and beverage flavor classification, CHEMICAL ENGINEERING JOURNAL, 一区A类, IF: 13.3 共一第二。
3	硕士	陈思颖	2025.6.25	0860生物医药	单糖晶体材料制备及其压电性能研究	评审意见1: A 94 推荐 评审意见2: A 90 推荐 平均分: 92	1. Piezoelectric Biomaterials Inspired by Nature for Applications in Biomedicine and Nanotechnology, Advanced Materials (自然指数期刊), SCI一区论文1篇, Top 2, IF=26.8, 本人第一; 2. Natural monosaccharide-based piezoelectric supramolecular materials for energy harvesting and information transmission, Chemical Science (自然指数期刊), SCI一区论文1篇, Top 2, IF=7.4, 本人共一排第一;
4	硕士	苏欣	2025.6.25	0777生物医学工程	共组装对环二肽基超分子材料的压电性调控研究	评审意见1: A 93 推荐 评审意见2: A 90 推荐 平均分: 91.5	1.Regulating the piezoelectricity of cyclic dipeptide-based supramolecular materials through co-assembly strategy. Journal of the American Chemical Society; SCI一区论文1篇, 自然指数期刊, T2, IF=15.0, 共一排第一 2. Peptide-based co-assembling materials: Bridging fundamental science and versatile applications. Progress in Materials Science; SCI一区论文1篇, 自然指数期刊, A类, IF=40.0, 共一排第一

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