



浙江大学杭州国际科创中心招聘启事

(高层次人才)

浙江大学杭州国际科创中心（以下简称“科创中心”）是新时代浙江大学和杭州市全面深化市校战略合作共建的重大科技创新平台。科创中心以打造世界一流水平、引领未来发展的全球顶尖科技创新中心为目标，以重大科研任务攻关和大型科技基础设施建设为主线，建设一批世界顶尖的科学研究基础设施，汇聚一批世界顶尖的科学家和创新团队，形成一批世界顶尖的基础学科群，产出一批具有影响力的重大共性技术成果，集聚一批具有世界竞争力的创新型产业集群。

科创中心探索建立有利于基础研究、应用研究和产业发展全链条贯通的体制机制，致力于成为长三角一体化高质量发展的重要创新极，中国知识和技术创新的重要策源地，世界顶尖学者和高端人才的强力集聚地，科技和人才体制机制改革的改革试验区，带动杭州乃至整个浙江大湾区成为媲美“波士顿+硅谷”的具有世界声誉的顶尖科技产业集群地。

现科创中心面向全球，招募以下领域青年人才：

【译】

Hangzhou Global Scientific and Technological Innovation Center of Zhejiang University (hereinafter referred to as "HIC-ZJU ") is a major scientific and technological innovation platform jointly built by Zhejiang University and Hangzhou City. The Center aims to build a world-class scientific and technological innovation center.

HIC-ZJU is committed to becoming an important innovation pole for the high-quality development of Yangtze River Delta integration, an important source of knowledge and technology innovation in China, a gathering place for world top scholars, and a reform pilot area for innovation of science and technology and talent system and mechanism, so as to drive Hangzhou and even the entire Zhejiang Dawan district to become the world's top



technology industrial cluster such as "Boston + Silicon Valley" Industrial cluster.

一、先进半导体材料与器件平台

(一) 平台简介

平台由科创中心首席科学家杨德仁院士牵头建设，学术委员会主任由郑有炘院士担任，院长由盛况教授担任。平台聚焦宽禁带半导体领域的国际前沿和重大科学问题，瞄准国家信息、能源等领域的重大战略需求，拟集中建设超净实验室和宽禁带半导体材料生长、芯片研制、封装测试及应用的先进研发设施和大型仪器设备，打造一个国内领先、国际先进的前沿技术创新研发平台，推动产学研深度融合发展。

【译】

Advanced Semiconductor Research Institute is an innovative research platform at HIC-ZJU. The institute has advanced cleanroom facilities in the area of wide-bandgap semiconductor materials, device and integrated circuit fabrication, and packaging and testing. Supported by the abundant industry resources in the Yangtze River Delta region, and the R&D capabilities of Zhejiang University, the Institute aims to become a world-class innovation platform and ecosystem.

(二) 招聘方向

1. 半导体材料专项

团队依托于浙江大学硅材料重点实验室，硅材料重点实验室是从事半导体材料基础研究和成果转化的主要基地之一，多次获得科技奖励，培育出了知名半导体材料企业，取得了显著经济效益。自上世纪 90 年代以来，实验室研究方向从半导体硅材料向半导体薄膜材料、复合半导体材料等不断拓宽。目前，正着力布局宽禁带半导体材料研究，力争在宽禁带半导体材料的基础研究和产业化上取得重要突破。

(1) 从事半导体材料领域研究，与平台半导体器件研究人员紧密合作；

(2) 具有扎实的晶体生长、材料物理与化学、半导体物理、半



导体器件等相关理论知识;

(3) 具有丰富的半导体材料单晶制备或外延薄膜生长经验;

(4) 申请各类科研项目, 撰写技术报告, 发表高水平研究论文或解决卡脖子问题;

(5) 组建和领导包含工程技术人员的科研团队, 指导研究生开展科研工作。

【译】

The team relies on the Key Laboratory of Silicon Materials of Zhejiang University. The Key Laboratory is one of the main bases for basic research on semiconductor materials and transformation of technological achievements. It has won many scientific and technological awards, cultivated well-known semiconductor material enterprises and achieved remarkable economic benefits. Since the 1990s, the research direction of the laboratory has expanded from semiconductor silicon materials to semiconductor thin film materials and composite semiconductor materials. At present, we are focusing on the research of wide band gap semiconductor materials, and strive to make important breakthroughs in the basic research and industrialization of wide band gap semiconductor materials.

(1) Engaged in semiconductor materials related research work, working closely with semiconductor device researchers.

(2) Solid theoretical knowledge of crystal growth, material physics and chemistry, semiconductor physics, semiconductor devices, etc.

(3) Rich experience in semiconductor material single crystal preparation or epitaxial film growth.

(4) The ability to apply for various scientific research projects, publish high-level research papers or solve major needs.

(5) To guide postgraduates to carry out scientific research work.

(6) Set up and lead a research team with engineering and technical personnel.



2.功率芯片专项

团队是国内最早的先进半导体研发团队之一。多年来，承担了宽禁带电力电子器件及应用领域等多个重大横向合作项目，在器件理论、芯片研制、器件封测和应用领域取得了一批相关成果。依托科创中心先进半导体材料与器件平台，团队将拥有一流的设计、工艺、封测、应用研发设施。

(1) 电气工程、微电子、物理、材料、光电等相关专业，具有半导体物理等相关基础，研究方向与半导体器件相关者优先；

(2) 对半导体器件的结构设计、仿真研究、工艺制造、测试表征、理论建模等研究方向感兴趣，且具有相关研究基础；

(3) 引领团队某个子研究方向或子课题，参与或主导科研项目的申报，制定项目计划，执行课题任务，完成项目目标；

(4) 带领团队执行与外部科研院所、企业单位的合作项目，负责指导团队的研究生和技术人员的各项科研工作。

【译】

The team is one of the earliest Advanced Semiconductor R & D teams in China. Over the years, the team has undertaken a number of major horizontal cooperation projects in the field of wide bandgap power electronic devices and applications, and achieved a number of related achievements in the field of device theory, chip development, device packaging and application. Relying on the advanced semiconductor material and device platform, the team will have first-class design, technology, sealing and testing, application and R & D facilities.

(1) Major in electrical engineering, microelectronics, physics, materials, optoelectronics and other related majors, research direction related to semiconductor devices is preferred.

(2) Be interested in structural design, simulation research, process manufacturing, test characterization and theoretical modeling of semiconductor devices.

(3) Lead a certain sub research direction or sub project of the team, participate in or lead the application of scientific research projects,



formulate project plans, implement project tasks and complete project objectives.

(4) Be responsible for leading the team to carry out cooperation projects between external research institutes and enterprises, and guide the research work of graduate students and technical personnel of the team.

3.封装测试专项

团队是由浙江大学教授、半导体公司资深工程师等构成的紧密团队。团队目前建立了一支具有全面实战经验的半导体封装工艺队伍，完全掌握了模块封装的传统工艺，包含芯片焊接、引线键合、衬板及母排焊接、灌封等技术，并一直投入科研力量研发先进的封装工艺，如银烧结、铜线键合、端子超声焊接、压力接触等。工艺团队一直致力于对传统工艺的完善提高和对先进工艺的开发推广，将研究成果进行试制并促进模块封装产业化发展。

(1) 化学工程、绝缘技术、聚合与聚合物工程、高分子化学、高分子材料、复合功能材料、化学合成等相关专业；

(2) 负责功率器件/模块封装材料优化与新材料研发，并制定相应工艺开发流程；

(3) 负责功率器件/模块的封装设计(涉及电-磁-热-机方面)及其工艺实施；

(4) 负责功率器件/模块的各类标准质量与可靠性测试(QA Test)；

(5) 负责制定面向非标准要求的测试方案与可靠性评估流程；

(6) 负责多芯片系统集成封装工艺的开发；

(7) 负责高密度电源集成技术研究；

(8) 负责功率器件封装等前沿领域新型材料的设计、合成和制备，制定相应的工艺开发流程和技术规范；

(9) 负责功率器件封装等前沿领域新型材料的理化测试和分析，指导或协助研究人员开展前沿新型材料相关的科学研究；

(10) 有高密度电源模块研究和开发经验和能力，熟悉回流焊、引线键合、烧结和灌封等主要工艺及其工艺流程整合，掌握 ANSYS、SolidWorks、LabVIEW、JMP 等设计软件的使用。



【译】

The team consist of Zhejiang University professors and senior engineers of semiconductor companies. At present, the team has established a semiconductor packaging process team with comprehensive practical experience, fully mastered the traditional process of module packaging, including chip welding, lead bonding, liner and bus bar welding, potting and other technologies, and has been investing in scientific research and development of advanced packaging technology, such as silver sintering, copper wire bonding, terminal ultrasonic welding, pressure contact, etc.

(1) Major in chemical engineering, insulation technology, polymerization and polymer engineering, polymer chemistry, polymer materials, composite functional materials, chemical synthesis, etc.

(2) Responsible for power device / module packaging material optimization and new material research and development, and formulate the corresponding process development process.

(3) Be responsible for the package design of power devices / modules (involving electrical, magnetic, thermal and mechanical aspects) and process implementation.

(4) Responsible for all kinds of standard quality and reliability test (QA Test) of power devices / modules.

(5) Responsible for the development of non-standard requirements oriented test plan and reliability evaluation process.

(6) Responsible for the development of multi- chip system integration packaging process.

(7) Responsible for high density power integration technology research.

(8) Responsible for the design, synthesis and preparation of new materials in power device packaging and other frontier fields, and formulate the corresponding process development process and technical specifications.

(9) Be responsible for the physical and chemical test and analysis of new



materials in frontier fields such as power device packaging, guide or assist researchers to carry out scientific research on frontier new materials.

(10) Have high density power module research and development experience and ability, familiar with reflow soldering, lead wire bonding, sintering and potting process integration, master the use of ANSYS, SolidWorks, LabVIEW, JMP and other design software.

(三) 招聘岗位

1. 青年卓越人才

【任职要求】

- (1) 远大的学术志向、创新精神, 较强科研能力和社会责任感;
- (2) 博士学位, 年龄原则上不超过 35 周岁;
- (3) 对宽禁带半导体材料与器件研究领域有足够的学科背景支持和较好的研究积累与想法, 有坚实的专业基础和较深的学术造诣;
- (4) 具备以独立 PI 开展研究工作的能力;
- (5) 有宽禁带材料与器件领域院士或国际知名专家推荐者优先。

【译】

- (1) Great academic ambition, innovative spirit, strong scientific research ability and social responsibility.
- (2) Less than 35 years of age.
- (3) Get a doctor's degree.
- (4) Have solid academic background in the field of wide-bandgap semiconductor materials and devices.
- (5) The ability to conduct research work independently as PI.
- (6) Recommendation letters from famous professors in the related field is preferred.

【待遇及保障条件】

- (1) 提供有竞争力的薪酬保障 (一人一议);
- (2) 为入选者及其团队成员提供人才公寓, 符合条件者可享受科创中心人才房政策以及杭州市、萧山区相人才政策;
- (3) 提供首期 (3 年) 300-500 万元的科研资助 (可持续滚动资



助);

(4) 提供 100-150m² 办公实验空间;

(5) 提供“专人一站式”服务, 共享科研平台大型仪器设备;

(6) 入选者中科研业绩突出且符合浙江大学人才标准的, 可推荐聘至浙江大学。

【译】

(1) Competitive salary, discussed individually.

(2) Housing benefits.

(3) Start-up research funding of 3-5 million RMB for 3-years.

(4) 100-150 m² lab space.

(5) One-stop full-range administrative support service.

(6) If qualified, can be jointly employed as a dual-appointment faculty member in Zhejiang University.

(7) Various talent policies from local government.

2. 博士后

【任职要求】

(1) 近三年内获得博士学位, 品学兼优, 身心健康, 年龄原则上不超过 35 周岁;

(2) 保证全职从事博士后研究工作;

(3) 具有物理、材料、微电子、电气工程等学科背景和科研经验, 从事过交叉学科研究者优先考虑;

(4) 具有良好的团队合作意识和较强的独立工作能力;

(5) 具有良好的英语听说读写能力;

(6) 近三年内以第一作者发表 1 篇以上有一定影响力的研究论文, 研究成果突出者优先考虑。

【译】

(1) Strong research background, strong motivation in academic/technological career as a full-time postdoctoral.

(2) Less than 35 years of age.

(3) Get a doctor's degree awarded by world famous universities in recent three years.



(4) Have solid academic background in the field of wide-bandgap semiconductor materials and devices.

(5) The ability to conduct research work independently as PI.

(6) Have one or more papers published (as the first author) in recent three years.

【待遇及保障条件】

(1) 提供有竞争力薪酬，同步享受杭州市、萧山区人才政策；

(2) 提供一流的实验与科学研究条件；

(3) 可提供萧山精装修人才公寓或中心公寓；

(4) 参与科创中心重大课题研究并取得显著成绩的，可获得额外资助或津贴；

(5) 在站期间，符合条件的博士后研究人员可申报科创中心相关系列高级专业技术职务；

(6) 在站期间表现优秀、业绩突出者，如符合要求，可优先推荐申请浙江大学教师岗位或科创中心技术研发岗位。

【译】

(1) Competitive salary, discussed individually.

(2) Housing benefits.

(3) Extra funding and allowance for outstanding outputs.

(4) If qualified, can be recommended as a Technology R&D engineer in HIC-ZJU.

(5) Various talent policies from local government.

二.生物与分子智造平台

(一) 平台简介

平台由浙江大学化学工程与生物工程学院牵头建设，化学系、高分子系、材料学院、生命科学研究院等共同参与。聘请浙江大学杨立荣教授担任首席科学家，领衔开展分子智造领域的科学研究。平台聚焦功能分子与材料精准制备领域的关键科学和技术问题，以高通量自动化科学装置为依托，结合机器学习和大数据分析等手段，实现物质创制和信息技术的深度融合，突破传统科研范式，实现物质精准创制



的颠覆性突破。

【译】

Biological and Molecular Intelligent Manufacturing Institute is committed to tackling fundamental and technological challenges in the discovery of advanced molecules and materials for next-generation applications. The team will combine the state-of-the-art automated high-throughput experimentation facilities (Chem Foundry) and artificial intelligence to synergistically accelerate multidisciplinary research, including organic synthesis, functional polymers, porous materials for separation and catalysis, and process scale-up. Supported by the strong chemical industry in the Yangtze River Delta region, and the R&D capabilities of Zhejiang University, the Institute aims at becoming a world-leading innovation platform.

(二) 招聘方向

1. 合成生物学专项

合成生物学专项人才战略布局将围绕生物制造、生命健康、农业食品和环境安全等应用方向，聚焦生物自动化技术、生物与信息交叉融合技术（BTIT）、生物系统设计等使能技术领域，诚邀从事使能技术领域和应用方向研究的全球优秀青年学者加盟。有以下研究经历者优先：

(1) 技术领域

①生物自动化技术：BioFoundry、细胞创建全流程自动化、高等细胞自动化培养、高通量筛选与微流体技术；②BTIT 融合：计算机辅助生物系统设计、生物信息技术、AI/机器学习、DNA 存储；③生物系统设计：基因编辑和组装技术、蛋白质与分子机器、途径/线路工程、宿主与群落工程。

(2) 应用方向

①生物制造：人工细胞工厂、可再生资源利用、化合物的生物合成；②生命健康：应急疫苗、智能细胞、免疫治疗；③农业食品：精准分子育种、绿色农药合成、人造食品；④环境安全：污染物生物修



复、生物安全防恐、痕量生物检测。

【译】

The Institute aims to develop enabling technologies for synthetic biology (i.e. laboratory automation, BT/IT, and biosystems design) to address grand challenges in biomanufacturing, medicine, agriculture, food, environment, and biosecurity). Applicants with the following research skills and experience will be considered in priority.

(1) Enabling technologies for synthetic biology

Lab Automation: BioFoundry, automated cultivation of mammalian cells, high throughput and microfluidic technology.

BT/IT (integration of biotechnology and information technology): computer-aided biosystems design, bioinformatics, AI/machine learning, and DNA storage.

Biosystems Design: gene editing and assembly technologies, protein and biomolecular machine engineering, genetic circuit and pathway engineering, chassis and consortia engineering.

(2) Disruptive applications of synthetic biology

Biomanufacturing: e.g. microbial cell factories, utilization of renewable resources, and biosynthesis of value-added compounds.

Medicine: e.g. emergency vaccines, programmable cells, cell therapy, and immunotherapy.

Food and Agriculture: e.g. precise molecular breeding, green pesticide biosynthesis, and artificial food.

Environment and Biosecurity: bioremediation, biosecurity, and trace bioassay.

2.分子智造专项

深度融合自动化科学装置和人工智能技术，实现功能分子与材料的精准设计和合成，聚焦高端化学品、高性能聚合物和功能材料等领域的重大挑战，重点引进如下研究方向的优秀青年学者：

(1) 高通量自动化科学装置（系统整合、设备定制化、高通量分子材料合成技术、高通量分析技术、微流控等）；



(2) 基于大数据与人工智能算法的分子/材料设计(深度学习、自然语言处理、知识图谱、大数据分析与云计算、计算化学、分子模拟等);

(3) 有机小分子精准合成;

(4) 高性能聚合物精准制造;

(5) 分离材料理性设计与精准构建;

(6) 过程智能建模与精准放大。

【译】

The institute aims at integrating high-throughput experimentation facilities and artificial intelligence to address grant challenges in medicine, specialty chemicals, functional polymers, and advanced materials. Applicants with the following research experience will be preferred, while other relevant areas will also be considered.

(1) High-throughput experimentation technology (system integration, customized synthesis or analysis apparatus, and microfluidics);

(2) Molecule or material design based on artificial intelligence (deep learning, natural language processing, knowledge graph, big data and cloud computing, computational chemistry, and molecular dynamics);

(3) Small molecule synthesis;

(4) Functional polymers;

(5) Porous materials for separations;

(6) Process simulation and scale-up.

3.X+AI 专项

“X+AI”专项人才战略布局将聚焦数据驱动的第四科学范式,围绕大数据与人工智能技术在生物智造、分子与材料合成、生命健康等多个领域的交叉应用展开研究。有以下研究经历者优先:

(1) 生物与分子智造等领域机器学习技术的应用(包括深度学习、元学习、对抗学习、强化学习等);

(2) 生物与分子智造等领域自然语言处理与知识图谱技术的应用(包括科技文献挖掘与分析、大规模文本预训练、领域知识图谱构建、图数据库、图神经网络等);



(3) 生物与分子智造等领域大数据处理与云计算技术的应用(包括大数据存储、高通量数据处理、云服务计算等);

(4) 生物与信息交叉融合技术 (BTIT);

(5) 化学与信息交叉融合技术 (CTIT)。

【译】

“Big Data and AI” program focus on the scientific research methods with data-driven fourth-paradigm, exploring the cross-application of big data and artificial intelligence methods in bio-intelligence, molecular and material synthesis, life health, and other fields. Applicants with the following research skills and experience will be considered in priority.

(1) Machine learning technology: Deep learning, meta-learning, adversarial learning, reinforcement learning, etc.

(2) Natural language processing and knowledge graph technology: Mining and analysis of scientific literature, large-scale text pre-training, construction of domain knowledge graph, graph database, graph neural network, etc.

(3) Cloud computing and technology to processing massive data: Big data storage, high-throughput data processing, graph computing, cloud service computing.

(4) Integration of biotechnology and information technology (BTIT).

(5) Integration of chemical technology and information technology (CTIT).

(三) 招聘岗位

1. 青年卓越人才

【任职要求】

(1) 具有远大学术志向、创新精神、较强科研能力和社会责任感;

(2) 年龄原则上不超过 35 周岁, 特别优秀者年龄可适当放宽;

(3) 在国内外顶尖高校或知名研究机构获得博士学位;

(4) 在合成生物学研究领域具有良好的学科背景、研究积累以及创新研究思路, 有坚实的专业基础和较深的学术造诣;



- (5) 具备作为独立 PI 开展研究工作的能力;
- (6) 有合成生物学领域院士或国际知名专家推荐的, 优先考虑。

【译】

- (1) Great academic ambition, innovative spirit, strong scientific research ability and social responsibility.
- (2) Less than 35 years old, which can be appropriately relaxed for particularly outstanding applicants.
- (3) Get a doctor's degree awarded by world famous university or research institute.
- (4) Strong academic background and research experience in the field of synthetic biology.
- (5) Ability to conduct research independently as PI.
- (6) Recommendation letters from famous professors in the related field is preferred.

【待遇及保障条件】

- (1) 提供有竞争力的薪酬保障 (一人一议);
- (2) 为入选者及其团队成员提供人才公寓, 符合条件者可享受科创中心人才房政策;
- (3) 提供首期 (3 年) 300-500 万元的科研资助 (可持续滚动资助);
- (4) 提供 150m² 左右的办公实验空间;
- (5) 提供“专人一站式”服务, 共享科研平台大型仪器设备;
- (6) 入选者中科研业绩突出且符合浙江大学人才标准的, 可推荐聘至浙江大学;
- (7) 符合条件的人才可享受杭州市和萧山区相应的人才政策。

【译】

- (1) Competitive salary, discussed individually.
- (2) Housing benefits.
- (3) Start-up research funding of 3-5 million RMB for 3-years.
- (4) 150 m² lab space.
- (5) One-stop full-range administrative support service.



(6) If qualified, can be jointly employed as a dual-appointment faculty member in Zhejiang University.

(7) Various talent policies from local government.

2、博士后

【任职要求】

(1) 近三年内获得博士学位，品学兼优，身体健康，年龄原则上不超过 35 周岁；

(2) 保证全职从事博士后研究工作，不招收在职人员；

(3) 具有生物工程、生物化工、合成生物学、分子生物学、微生物学、人工智能等学科背景和科研经验，从事过交叉学科研究者优先考虑；

(4) 具有良好的团队合作意识和较强的独立工作能力；

(5) 具有良好的英语听说读写能力；

(6) 近三年内以第一作者发表 1 篇以上有一定影响力的研究论文，研究成果突出者优先考虑。

【译】

(1) Strong research background, strong motivation in academic/technological career as a full-time postdoctoral.

(2) Less than 35 years of age.

(3) Get a doctor's degree awarded by a world famous university or research institute in recent three years.

(4) Strong academic background and research experience in the field of synthetic biology.

(5) The ability to conduct research both independently and cooperatively.

(6) Have one or more first-authored research publications in recent three years.

【待遇及保障条件】

(1) 提供有竞争力的市场化薪酬，同步享受杭州市萧山区相关人才政策；

(2) 提供一流的实验与科学研究条件；

(3) 可提供萧山精装修人才公寓或中心公寓；



(4) 参与杭州科创中心重大课题研究并取得显著成绩的，可获得额外资助或津贴；

(5) 在站期间，符合条件的博士后研究人员可申报杭州科创中心相关系列高级专业技术职务；

(6) 工作期间表现优秀、业绩突出的博士后，如符合要求，可优先推荐申请浙江大学教师岗位或杭州科创中心技术研发岗位。

【译】

(1) Competitive salary, discussed individually.

(2) Housing benefits.

(3) Extra funding and allowance for outstanding performance.

(4) If qualified, can be recommended as a faculty member in Zhejiang University or R&D engineer in HIC-ZJU.

(5) Various talent policies from local government.

三、生物纳米工程实验室

1. 团队介绍

团队主要从事功能高分子合成及其应用于纳米药物的研究及相关成果的应用开发。团队负责人入选美国 Fellow of American Institute of Biological and Medical Engineering (2018)。在 Nat. Nanotech、Nat. Biomed. Eng.、JACS、Angew. Chem. Int. Ed.和 Adv. Mater.等国际著名学术期刊上发表高水平论文 300 余篇，H-因子 65。

【译】

The team is mainly engaged in the synthesis of functional polymer and its application in nanodrugs research. The team leader is the Fellow of American Institute of Biological and Medical Engineering (2018). He has published more than 300 high-level papers in famous international academic journals such as NAT. Nanotech, NAT. Biomed. Eng., JACS, angel. Chem. Int. ed. and adv. mater.

2. 招聘岗位-博士后

【岗位职责】



(1) 保障实验室设备和日常研究的正常运转，协助指导研究生的科研工作；

(2) 开展实验室相关课题研究工作，总结实验进展，撰写论文，发表高水平论文；

(3) 协助完成重大项目的申报和执行。

【译】

(1) Ensure the normal operation of laboratory equipment and daily research, assist and guide the research work of graduate students.

(2) Carry out laboratory related research work, summarize the experimental progress, write papers and publish high-level papers.

(3) Assist in the application and implementation of major projects.

【任职要求】

(1) 博士学位，高分子化学、药学、生物材料学、医学或肿瘤分子生物学等相关专业；

(2) 有良好的科研训练经历，在相关学科主流学术期刊以第一作者发表 1 篇以上高影响力论文；

(3) 有较强的英文阅读交流和写作能力，能独立完成课题工作；

(4) 工作认真负责，为人诚实守信，积极上进，热爱科学研究，有团队协作精神；

(5) 有较好的有机及高分子合成及生物医学研究背景者优先考虑。

【译】

(1) Get a doctor's degree, major in polymer chemistry, pharmacy, biomaterials, medicine or tumor molecular biology.

(2) Have good scientific research training experience, publish more than one high impact paper as the first author in the mainstream academic journals of related disciplines.

(3) Excellent English reading, communication and writing skills, can complete the project in English independently.

(4) Be conscientiously and responsible, honest and trustworthy, positive and progressive, love scientific research, team spirit.



(5) Related experience in organic and polymer synthesis and biomedical research is preferred.

四、等离子体纳米能源材料实验室

1. 团队介绍

团队致力于纳米尺度界面热力学与动力学基础研究以及相关的能源环境应用技术开发，研究成果在 Chem. Soc. Rev.、Energ. Environ. Sci.、Adv. Mater.、ACS Nano、Int. J. Heat Mass Trans. 等期刊发表高水平论文 80 余篇，8 篇被选为期刊封面、扉页或封底，7 篇入选 ESI 高被引论文。授权美国发明专利 1 项、中国发明专利 22 项。团队依托能源清洁利用国家重点实验室、先进能源国际联合研究中心、2011 年协同创新中心和国家工程实验室，与美国 UCLA、欧洲科学院、美国芝加哥大学、美国圣母大学、英国利物浦大学等建立紧密的国际合作关系。

【译】

The team is committed to the basic research of nano scale interface thermodynamics and dynamics and the development of related energy and environment application technology. The research results have been published in more than 80 high-level papers in Chem. Soc. Rev.、Energ. Environ. Sci.、Adv. Mater.、ACS Nano、Int. J. Heat Mass Trans. And 8 of them were selected as the front cover, front page or back cover of the journal, and 7 papers were selected as ESI highly cited papers. One U.S. invention patent and 22 Chinese invention patents were authorized.

2. 招聘岗位-博士后

【岗位职责】

- (1) 承担各类、各级科研项目，独立开展科研工作；
- (2) 协助团队做好各类公共事务。

【译】

- (1) Undertake all kinds of scientific research projects at all levels and independently carry out scientific research work.
- (2) Assist the team in all kinds of public affairs.



【任职要求】

(1) 博士学位，热力学，传热学，统计物理，超级电容，锂离子电池，光热转换，固态核磁共振等相关专业；

(2) 积极乐观，认真踏实，良好的学术道德和严谨的科学态度；

(3) 创新精神，热爱科学研究，能够潜心钻研新知识和新技术；

(4) 独立科研工作能力，良好的沟通能力和团队合作精神。

(5) 掌握核磁共振 NMR、石英晶体微天平 QCM、原位拉曼 Raman 及 STEM 等微观实验检测手段和密度泛函理论、分子动力学模拟和有限元方法等数值模拟方法以及 PECVD 等先进纳米材料制备手段相关技术的优先考虑。

【译】

(1) Get a doctor's degree, major in thermodynamics, heat transfer, statistical physics, supercapacitor, lithium ion battery, photothermal conversion, solid state nuclear magnetic resonance, etc.

(2) Positive and optimistic, earnest and down-to-earth, good academic ethics and rigorous scientific attitude.

(3) Innovative spirit, love scientific research, can concentrate on new knowledge and new technology.

(4) Independent research ability, good communication skills and team spirit.

(5) Priority should be given to mastering nuclear magnetic resonance (NMR), quartz crystal microbalance(QCM), in situ Raman (Raman)and stem and numerical simulation methods such as density functional theory, molecular dynamics simulation and finite element method, as well as PECVD and other advanced nano material preparation methods.

五、微纳 3D 打印智能高分子材料实验室

1. 团队介绍

团队长期从事形状记忆高分子与环境敏感水凝胶等受激形变高分子及其 3D/4D 打印的研究，一系列具有显著国际影响力的成果发表于 Nature、Nature Communications、Science Advances、Advanced Materials、Advanced Functional Materials、Angewandte Chemie



International Edition、Materials Horizons、Progress in Polymer Science 等期刊，近五年 ESI 高被引论文 7 篇，多项工作被 Science、Nature、麻省理工技术综述、英国皇家化学会、美国材料研究学会等学术机构以及华尔街日报、人民日报、中央电视台新闻直播间等公众媒体专题报道。

【译】

The team has long been engaged in the research of shape memory polymers and environmentally sensitive hydrogels and other stimulated deformation polymers and their 3D/4D printing. A series of notable international results have been published in Nature, Nature Communications, Science Advances, Advanced Materials, Advanced Functional Materials, Functional, Science, and Polymer science and other journals, 7 highly cited papers on ESI in the past five years, and many works have been reported by science, nature, MIT Technology Review, Royal Society of chemistry, American Society for materials research and other academic institutions, as well as the Wall Street Journal, People's Daily, CCTV news studio and other public media.

2.招聘岗位-博士后

【岗位职责】

- (1) 参与实验室高分子相关领域研究工作；
- (2) 撰写项目申请、论文、专利等。

【译】

- (1) Participate in the research of polymer related fields in laboratory.
- (2) Write project applications, papers, patents, etc.

【任职要求】

- (1) 博士学位，高分子合成、高分子加工、3D 打印等相关专业；
- (2) 工作勤奋、踏实，责任心强，有团队协作精神；
- (3) 发表过高水平研究论文者优先。

【译】

- (1) Get a doctor's degree, major in polymer synthesis, polymer processing, 3D printing and other related majors.



- (2) Hardworking, down-to-earth, strong sense of responsibility, team spirit.
(3) Publication of high level research papers is preferred.

招聘岗位汇总表

序号	平台	方向	岗位	备注
1	先进半导体材料与器件平台	半导体材料研究室	青年卓越人才	
2			博士后	
3		功率芯片研究室	青年卓越人才	
4			博士后	
5		封装测试研究室	青年卓越人才	
6			博士后	
1	生物与分子智造平台	合成生物学专项	青年卓越人才	
2			博士后	
3		分子智造专项	青年卓越人才	
4			博士后	
5		X+AI	青年卓越人才	
6			博士后	
7	生物纳米工程实验室		博士后	
8	等离子体纳米能源材料实验室		博士后	
9	微纳 3D 打印智能高分子材料实验室		博士后	

六、招聘说明

坚持公开、公平、竞争、择优原则，凡符合招聘岗位要求且有意向者，请提供个人中英文简历（包括学习、工作经历）以及其他证明本人技能、水平的相关资料，并将电子材料发送至科创中心人力资源部（Email: hic@outlook.com），请在邮件主题和附件材料里注明“应聘团队+岗位+姓名”。（如：应聘先进半导体材料与器件平台+青年卓越人才+王先生，应聘生物与分子智造平台+人工智能专项+博士后+王先生）



【译】

If you are interested in our work, please contact us as follows, Miss Yang,

Tel: 0571-82359099, Email: hic@outlook.com

For more information, please pay attention to our WeChat official account:

HICZJU

七、联系方式

联系人：杨老师，电话：0571-82359099

地址：浙江省杭州市萧山区建设三路 733 号

更多招聘信息可关注科创中心微信公众号：HICZJU