

中山大学化学学院郑治坤课题组诚聘英才

郑治坤是中山大学化学学院教授（广州校区），博士生导师，其第十三批“青年千人”答辩结果已经公示。郑治坤长期致力于界面合成，有机二维晶体、聚合物或金属有机膜的研发及其在气体分离、海水脱盐、化学传感器和光电器件等方面的应用研究。尤其在有机二维晶体的设计、合成、功能化修饰及应用等方面提出了数项前瞻性学术构想，并已取得多项原创性成果，部分成果曾被 *Nature Chemistry*、*J. Am. Chem. Soc.*、*C&EN* 等作为研究亮点进行了报道和评述。课题组因发展和工作需要，诚聘研究助理一名，博士后多名，特聘副研究员三名，特聘研究员两名。招聘方向：聚合物化学，高分子物理，物理化学，分离膜和有机电子器件。**具有高分辨透射电镜表征，共价有机框架材料合成，超分子自组装，分离膜和有机电子器件经验者优先。**

应聘条件

身心健康，工作勤奋，为人正直，有责任心和团队协作精神。有良好的英文阅读，交流以及写作能力。

即将或者已经获得化学，物理，材料或相关领域的博士学位，有扎实的专业实验技能。

取得相当的学术成果，在本学科重要学术刊物上发表多篇学术论文，其中以第一作者或者通讯联系人论文不少于 2 篇，应聘特聘副研究员者应以第一作者或者通讯联系人发表过 $IF > 10.0$ 的文章，或者多篇二区论文，特别优秀者可适当放宽；应聘研究员者应有 2 年以上博士后或者工作经历，以第一作者或者通讯联系人论文不少于 4 篇，至少有一篇发表在 1 区期刊上。

能独立开展相关课题的研究，并发表高水平研究成果和指导研究生，配合完成重大项目的申报。

相关待遇

特聘研究员：一至三级岗，按个人情况定岗。三年聘期，年薪 22-26 万（税前，未含团队绩效奖励），享受五险一金。聘期 3 年，合同到期后可续聘或者申请副教授及以上职位，或者推荐到国内外其他单位工作。据科研贡献还有可观的绩效和论文奖励 0-15 万。

特聘副研究员：一至三级岗，按个人情况定岗。三年聘期，年薪 14-20 万（税前，未含团队绩效奖励），享受五险一金。聘期 3 年，合同到期后可续聘或者申请副教授及以上职位，或者推荐到国内外其他单位工作。据科研贡献还有可观的绩效和论文奖励 0-10 万。

博士后：合同时间为两年，学校提供过渡房。（a）学校博士后，年薪 12-16 万 + 单位五险一金；（b）“博新计划”博士后：年薪 20 万 + 单位五险一金；（c）广东省“珠江人才计划（博士后资助项目）”：年薪 30 万 + 单位五险一金。博后期满根据个人意向推荐竞聘更高级别岗位（教师和专职科研岗位）或推荐国外学习和工作机会。据科研贡献发放奖励 0-6 万。

申请材料

本招聘长期有效，申请者可通过电子邮件提交：(1)个人简历；(2)申请信（着重论述科研经历、技能和个人发展规划，并注明可到岗时间）(3)推荐人联系方式。请注明应聘岗位，符合要求者将安排电话/视频面试。

郑治坤简介

郑治坤，男，高分子化学与物理方向教授，博士生导师。电子邮件：zhengzhikun@mail.sysu.edu.cn

工作学习经历

2017.02 -	中山大学	教授
2014.10 – 2017.02	德累斯顿工业大学	特许任教资格 (<i>habilitation</i>), 课题组组长, 德累斯顿先进电子器件中心
		研究方向: 二维聚合物
2013. 11 – 2014.09	瑞士联邦理工大学	课题组组长, 聚合物所
		研究方向: 二维聚合物
2010. 11 – 2013.10	瑞士联邦理工大学	博士后, 聚合物所
		合作导师: A. Dieter Schlüter 教授
2008.09 – 2010.10	德国彼勒菲尔德大学物理系, 德国国家计量局和柏林工业大学	博士后, 纳米膜联合项目 合作导师: Armin Götzhäuser & Marga Lensen 教授
		研究方向: 单分子膜表征和修饰
2002.09 – 2008.07	中科院长春应用化学研究所电分析化学国家重点实验室	理学(分析化学)博士 指导老师: 张柏林教授
		研究方向: 自组装膜表面原子力显微镜纳米刻蚀

代表论文

(1) Hafeesudeen Sahabudeen, Haoyuan Qi, Bernhard Alexander Glatz, Diana Tranca, Renhao Dong,

Yang Hou, Tao Zhang, Christian Kuttner, Tibor Lehnert, Gotthard Seifert, Ute Kaiser, Andreas Fery, Zhikun Zheng,* and Xinliang Feng* “Wafer-Sized, Multifunctional, Polyimine-based Two-Dimensional Conjugated Polymers with High Mechanical Stiffness”, **Nat. Commun.**, 2016, 7, 13461.

- (2) Zhikun Zheng,* Lothar Opilik, Florian Schiffmann, Wei Liu, Giacomo Bergamini, Paola Ceroni, Lay-Theng Lee, Andri Schütz, Junji Sakamoto, Renato Zenobi, Joost VandeVondele, A. Dieter Schlüter* “Synthesis of two-dimensional analogues of copolymers by site-to-site transmetallation of organometallic monolayer sheets”, **J. Am. Chem. Soc.**, 2014, 136, 6103-6110.

This work was highlighted in:

➤ **J. Am. Chem. Soc.**, 2014, 136, 5819.

➤ **C&EN**, 2014, 92, 35.

- (3) Zhikun Zheng,* Xianghui Zhang, Christof Neumann, Daniel Emmrich, Andreas Winter, Henning Vieker, Wei Liu, Marga Lensen, Armin Götzhäuser and Andrey Turchanin* “Hybrid van der Waals heterostructures of zero-dimensional and two-dimensional materials” **Nanoscale**, 2015, 7, 13393 - 13397.

- (4) Zhikun Zheng, Ronny Grunker, Xinliang Feng* “Synthetic two-dimensional materials: a new paradigm of membranes for ultimate separation”, **Adv. Mater.**, 2016, 28, 6529 - 6545.

- (5) Zhikun Zheng, Christoph T. Nottbohm, Andrey Turchanin, Heiko Muzik, Andre Beyer, Mike Heilemann, Markus Sauer, Armin Götzhäuser* “Janus nanomembrane: a generic platform for chemistry in two dimensions”, **Angew. Chem. Int. Ed.**, 2010, 49, 8493-8497.

This work was highlighted in:

➤ **Nachrichten aus der Chemie**, 2011, 59, 329.

- (6) Zhikun Zheng, Carlos S. Ruiz-Vargas, Thomas Bauer, Antonella Rossi, Payam Payamyar, Andri Schütz, Andreas Stemmer, Junji Sakamoto, A. Dieter Schlüter* “Square-micrometer-sized, free-standing organometallic sheets and their square-centimeter-sized multilayers on solid substrates”, **Macromol. Rapid Commun.**, 2013, 34, 1670-1680.

- (7) Renhao Dong[†], Zhikun Zheng[†], Diana C. Tranca, Naisa Chandrasekhar, Jian Zhang, Shaohua Liu, Xiaodong Zhuang, Gotthard Seifert* and Xinliang Feng* “Immobilizing Molecular Metal Dithiolene-Diamine Complexes on Carbon-Rich, Single-Layer 2D Supramolecular Polymers for Electrocatalytic H₂ Production”, **Chem. Eur. J.**, 2016, 10.1002/chem.201605337.

- (8) Thomas Bauer, Zhikun Zheng, Alois Renn, Raoul Enning, Andreas Stemmer, Junji Sakamoto,* A. Dieter Schlüter* “Synthesis of free-standing, monolayered organometallic sheets at the air/water interface”, **Angew. Chem. Int. Ed.**, 2011, 50, 7879-7884.

- (9) Guang-Ping Hao, Giovanni Mondin, Zhikun Zheng, Tim Biemelt, Stefan Klosz, René Schubel, Alexander Eychmüller and Stefan Kaskel* “Unusual Ultra-Hydrophilic, Porous Carbon Cuboids for Atmospheric-Water Capture” **Angew. Chem. Int. Ed.**, 2015, 6, 1941 - 1945.

This work was highlighted in:

➤ **Nature Chem.**, 2015, 7, 194 - 196.

- (10) Renhao Dong, Martin Pfeiffermann, Haiwei Liang, Zhikun Zheng, Xiang Zhu, Jian Zhang, and Xinliang Feng* “Large-Area, Free-Standing 2D Supramolecular Polymer Single-Layer Sheet for Highly Efficient Electrocatalytic Hydrogen Evolution”, **Angew. Chem. Int. Ed.**, 2015, 54, 12058 - 12063.

- (11) Payam Payamyar, Khaled Kaja, Carlos S. Ruiz-Vargas, Andreas Stemmer, Daniel J. Murray, Carey Johnson, Benjamin T. King, Alois Renn, Andri Schütz, Lay-Theng Lee, Zhikun Zheng, Junji Sakamoto, A. Dieter Schlüter* “Synthesis of a covalent monolayer sheet by photochemical anthracene dimerization at air-water interface and its mechanical characterization by AFM indentation”, **Adv. Mater.**, 2014, 26, 2052-2058.

- (12) Guang-Ping Hao, Felix Hippauf, Martin Oschatz, Florian Wisser, Junwen Deng, Annika Leifert, Winfried Nickel, Nasser Mohamed Noriega, Zhikun Zheng, Stefan Kaskel* “Stretchable and transparent conductive hybrid hydrogels for flexible supercapacitors”, **ACS Nano**, 2014, 8, 7138 - 7146.

- (13) Wei Liu, Paramaconi Rodriguez, Lars Borchardt, Annette Foelske, Jipei Yuan, Anne-Kristin Herrmann, Dorin Geiger, Zhikun Zheng, Stefan Kaskel, Nikolai Gaponik, Rüdiger Kötz, Thomas J. Schmidt, Alexander Eychmüller “Bimetallic aerogels: high-performance electrocatalysts for the oxygen reduction reaction”, **Angew. Chem. Int. Ed.**, 2013, 52, 9849-9852.

Seeking Research Fellows

Recruiting Distinguished Researcher, Distinguished Associate Researcher and Postdocs from Zheng Lab, School of Chemistry, Sun Yat-sen University

1. Introduction to Sun Yat-sen University

Sun Yat-sen University was established in 1924 by Dr. Sun Yat-sen, the founding father of modern China. After 90-plus years of development, the University has fostered an exceptional learning environment and school spirit, and has laid a solid academic foundation across a wide range of disciplines, including the humanities, social sciences, natural sciences, engineering, and medical sciences. As of this year, eighteen disciplines at the University rank in the top 1% world's universities (ESI 2016), tied for second most among universities in China. Today, Sun Yat-sen University has become a top-tier comprehensive research university recognized both at home and abroad.

2. Zheng Lab

Prof. Zhikun Zheng laboratory is located at Key Laboratory for Polymeric Composite and Functional Materials of Ministry of Education & Lehn Institute of Functional Materials, School of Chemistry, Sun Yat-Sen University. The ongoing projects focuses on interfacial chemistry, polymer chemistry and physics, organic two-dimensional crystals, thin films, gas separation, water desalination, chemical sensors and thin-film transistors. To fill the needs of the group, we strategically recruit 1 Distinguished Researcher, 2 Distinguished Associate Researcher and several postdocs whose skills can be leveraged in projects mentioned-above. The candidate should have a proven track-record of high quality publications (2 – 4, 1st author papers, IF > 3). Preference will be given to the candidates with a strong expertise in **synthesis of covalent organic frameworks, supramolecular assembly, high-resolution TEM, and separation membranes**.

3. Requirements

Basic Requirements: abide by laws of the State and observe rules and regulations of the University; comply with academic norms; possess a rigorous attitude of scholarship; pay heed to teamwork; dedicated and responsible; possess the knowledge, capability and accomplishment required by the respective post; and meet either of the following requirements:

For Distinguished Researcher: lecturer, assistant professor or of equivalent or higher positions at domestic/overseas prestigious colleges/universities or research institutes.

For Distinguished Associate Researcher: excellent doctor or post-doctor at domestic/overseas prestigious colleges/universities or research institutes.

For postdocs: who are about to complete PhD in the immediate future or the postdoc fellows who completed their PhD within last 3 years.

4. Recruitment process

Application materials required: a) personal academic resume (including university, study and work experience, research achievements, projects and published papers in recent five years, and

certifications obtained); b) academic and research plan in SYSU; c) photocopies of diplomas and certificates obtained; d) 3 recommendation letters; e) applied position.

Some application forms need be filled and supporting materials should be attached once the applicant is selected as a candidate.

The recruitment information is always valid. The applicant may apply at any time. Prof. Zheng will review the applicant materials regularly.

5. Salaries and Benefits

Zheng Lab will provide successful applicants with competitive salaries and benefits in their respective fields in accordance with the market economy principle. Remuneration for Distinguished Associate Researcher, Distinguished Associate Researcher and Postdocs ranges from 300,000—360,000 RMB/year, 190,000—250,000 RMB/year, and 120,000 — 160,000 RMB/year, respectively. Moreover, Zheng Lab will reward its researchers with bonuses for his/her contributions within the employment.

6. Contact Information

zhengzhikun@mail.sysu.edu.cn or

zhikun.zheng@tu-dresden.de

7. Selected 5 publications

- (14) Hafeesudeen Sahabudeen, Haoyuan Qi, Bernhard Alexander Glatz, Diana Tranca, Renhao Dong, Yang Hou, Tao Zhang, Christian Kuttner, Tibor Lehnert, Gotthard Seifert, Ute Kaiser, Andreas Fery, Zhikun Zheng,* and Xinliang Feng* “Wafer-Sized, Multifunctional, Polyimine-based Two-Dimensional Conjugated Polymers with High Mechanical Stiffness”, **Nat. Commun.**, 2016, 7, 13461.
- (15) Zhikun Zheng,* Lothar Opilik, Florian Schiffmann, Wei Liu, Giacomo Bergamini, Paola Ceroni, Lay-Theng Lee, Andri Schütz, Junji Sakamoto, Renato Zenobi, Joost VandeVondele, A. Dieter Schlüter* “Synthesis of two-dimensional analogues of copolymers by site-to-site transmetallation of organometallic monolayer sheets”, **J. Am. Chem. Soc.**, 2014, 136, 6103-6110.
This work was highlighted in:
 - **J. Am. Chem. Soc.**, 2014, 136, 5819.
 - **C&EN**, 2014, 92, 35.
- (16) Zhikun Zheng,* Xianghui Zhang, Christof Neumann, Daniel Emmrich, Andreas Winter, Henning Vieker, Wei Liu, Marga Lensen, Armin Götzhäuser and Andrey Turchanin* “Hybrid van der Waals heterostructures of zero-dimensional and two-dimensional materials” **Nanoscale**, 2015, 7, 13393 - 13397.
- (17) Zhikun Zheng, Ronny Grunker, Xinliang Feng* “Synthetic two-dimensional materials: a new paradigm of membranes for ultimate separation”, **Adv. Mater.**, 2016, 28, 6529 - 6545.
- (18) Zhikun Zheng, Christoph T. Nottbohm, Andrey Turchanin, Heiko Muzik, Andre Beyer, Mike Heilemann, Markus Sauer, Armin Götzhäuser* “Janus nanomembrane: a generic platform for chemistry in two dimensions”, **Angew. Chem. Int. Ed.**, 2010, 49, 8493-8497.
This work was highlighted in:
 - **Nachrichten aus der Chemie**, 2011, 59, 329.

