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个人简介

2004 年于华东理工大学获博士学位，同年留校任教。2013 年 3 月，前往美国 Lehigh 大学访学 1 年，从事超薄膜的气体分离。迄今为止，已发表包括 Angew. Chem. Int. Edit.; Chem. Eng. J.; ACS Appl. Mater. Inter.; J. Membr. Sci.; Macromolecules 等在内的 SCI 论文 60 多篇。曾负责国家自然科学基金青年基金项目、面上项目和和中央高校基本科研业务费专项基金项目的研究工作。2011 年 10 月，被聘为《日用化学工业》、《日用化学品科学》第十届编委；2015 年 9 月为 Scientific Reports 的编委。

研究方向

1）利用 GO 膜、超交联多孔聚合物分离手性化合物及性质相近的物质；
2）开发新型的功能环氧树脂和固化剂及其应用；
3）与表面活性剂、聚合物及胶体等相关的油田化学体系及其在石油开采中的应用，如压裂、乳化及破乳、三次采油等；
4）设计合成新型的金属缓蚀剂

研究成果及主要发表文章

(1) Jingjing Zhang, Nan Liu, Huixue Gong, Qibin Chen*, Honglai Liu. Hydroxyl-functionalized hypercrosslinked polymers with ultrafast adsorption rate as an efficient adsorbent for phenol removal. Micropor. Mesopor. Mat., 2022, 336: 111836.

(2) Huixue Gong, Shaoze Zhang, Nan Liu, Jingjing Zhang, Qibin Chen*, Honglai Liu. Retarded transport properties of graphene oxide based chiral separation membranes modified with dipeptide. Sep. Purif. Technol., 2022, 288: 120642.

(3) Juantao Zhang, Minjian Kong, Jiangtao Feng*, Chengxian Yin, Danping Li, Lei Fan, Qibin Chen*, Honglai Liu. Dimeric imidazolium ionic liquid connected by bipyridiyl as a corrosion inhibitor for N80 carbon steel in HCl. J. Mol. Liq., 2021, 344: 117962.

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(7) Huiling Tan, Tingting Chen, Qibin Chen*, Zishuai Wei, Honglai Liu*. CO2/CH4 separation using bifunctional and flexible microporous organic polymers with expansion/shrinkage transformations during adsorption/desorption processes. Chem. Eng. J., 2020, 391: 123521.

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(12) Chenchen Meng, Qibin Chen*, Huiling Tan, Yujie Sheng, Honglai Liu*. Role of Filled PLGA in Improving Enantioselectivity of Glu-GO/PLGA Composite Membranes. J. Membr. Sci. 2018, 555: 398-406.

(13) Chenchen Meng, Yujie Sheng, Qibin Chen*, Huiling Tan and Honglai Liu*. Exceptional Chiral Separation of Amino Acid Modified Graphene Oxide Membranes with high-flux. J. Membr. Sci. 2017, 526, 25-31.

(14) Yujie Sheng, Qibin Chen*, Junyao Yao, Yunxiang Lu, Honglai Liu*, and Sheng Dai*. Guest-induced Breathing Effect in a Flexible Molecular Crystal. Guest-induced Breathing Effect in a Flexible Molecular Crystal, Angew. Chem. Int. Edit., 2016, 55, 3378-3381.

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