



姓名：何富安， 研究员， 硕士生导师

## 教育与工作经历

1998.9~2002.6: 中山大学 高分子所 学士

2002.9~2007.6: 中山大学 高分子所 博士

2007.11~2012.1: 香港理工大学 纺织与制衣学系 博士后

2012.1~2013.1: 美国康奈尔大学 纤维科学与服装设计系 博士后

2014.1~今: 广东石油化工学院 材料学院高分子材料系 研究员

## 1. 科研工作

### 研究方向:

(1) 聚乙烯基复合材料, (2) 高介电聚合物基复合材料, (3) 石墨烯杂化材料, (4) 油水分离材料, (5) 染料吸附剂

### 主要业绩:

以第一/通讯作者在 Advanced Materials、Composites Science and Technology、Carbon、Nanoscale、Applied Surface Science、Journal of Colloid and Interface Science、Separation and Purification Technology、Nanotechnology、Powder Technology 等杂志发表 SCI 刊源论文 53 篇, SCI 论文被引用次数 2000 余次(Web of Science), H 因子 22。以第一发明人获得授权中国发明专利 7 项。指导学生获得广东省“挑战杯”一等奖 1 项、二等奖 2 项(大挑)以及银奖 1

项（小挑），中国大学生高分子材料创业创新大赛二等奖 1 项，广东省大学生材料创新大赛一等奖与三等奖各 1 项，“互联网+”创新创业国赛铜奖 1 项以及省赛银奖与铜奖各 1 项，大学生创新创业训练项目（国家级）3 项、广东省大学生“攀登计划”项目 5 项。

### 研究资助：

主持广东省自然科学基金与广东省“扬帆计划”等项目 10 余项；

### 科研项目：

1. 广东省自然科学基金，石墨烯接枝聚合物/聚偏氟乙烯高介电常数复合材料其微观结构与性能的研究，2015/01-2018/01
2. 广东省自然科学基金，高电致形变石墨烯/热塑性弹性体复合材料的设计制备与性能机理研究，2017/06-2020/05
3. 广东省普通高校特色创新类项目，新型石墨烯/聚合物复合材料的制备与性能研究，2015/01-2017/12
4. 广东省“扬帆计划”引进紧缺拔尖人才项目，新型石墨烯/高分子复合材料的设计制备与功能化研，2015/6-2018/5
5. 广东省自然科学基金，自修复型高电致形变纳米碳/SBS 弹性体复合材料的设计、制备与性能提升机理研究，2012/01-2025/12

## 2. 代表性论文

1) Enhanced dielectric permittivity in surface-modified graphene/PVDF composites prepared by an electrospinning-hot pressing method, Bo Lin, Zeng-Tian Li, Ying Yang, Ying Li, Jie-Ci Lin, Xu-Min Zheng, Kwok-Ho Lam, **Fu-An He (通讯作者)**, *Composites Science and Technology*, 2019, 23: 58-65.

2) Preparation of magnetic superhydrophobic melamine sponges for effective oil-water separation, Zeng-Tian Li, Hao-tong Wu, Wan-Yi Chen, **Fu-An He (通讯作者)**, De-Hao Li. *Separation and Purification Technology*, 2019, 212:40-50. 25

3) Preparation of magnetic superhydrophobic melamine sponge for oil-water separation, Zeng-Tian Li, **Fu-An He (通讯作者)**, Bo Lin, *Powder Technology*, 2019, 345: 571-579.

4) A novel crosslinked beta-cyclodextrin-based polymer for removing methylene blue from water with high efficiency, Hong-Liu Jiang, Jie-Ci Lin, Wei Hai, Hong-Wei Tan, Yu-Wei Luo, Xiao-Lin Xie, Yao Cao, **Fu-An He**(通讯作者), *Colloids and Surfaces A-Physicochemical*, 2019, 55:59-68.

5) Preparation and characterization of composites based on poly(vinylidene fluoride-co-chlorotrifluoroethylene) and carbon nanofillers: a comparative study of exfoliated graphite nanoplates and multi-walled carbon nanotubes, Bo Lin, Li-Hong Pan, Dong-Liang Shi, Hua-Kun Huang, **Fu-An He**(通讯作者), Kwok-Ho Lam, Hui-Jun Wu. *Journal of Materials Science*, 2019,54:2256-2270.

6) Superhydrophobic modification of polyurethane sponge for the oil-water separation, Bo Lin, Jian Chen, Zeng-Tian Li, **Fu-An He**(通讯作者), De-Hao Li, *Surface and Coating Technology*, 2019,359:216-226. 21

7) Selective adsorption of anionic dyes from aqueous solution by a novel beta-cyclodextrin-based polymer, Hong-Liu Jiang, Meng-Ya Xu, Ze-Wu Xie, Wei Hai, Xiao-Lin Xie, **Fu-An He**(通讯作者), *Journal of Molecular Structure*, 2020,1203:127373.

8) Highly efficient selective adsorption of anionic dyes by modified beta-cyclodextrin polymers, Xu, Meng-Ya, Jiang, Hong-Liu, Xie, Ze-Wu, **Fu-An He**(通讯作者), *Journal of the Taiwan Institute of Chemical Engeerings*, 2020,108:114-128.

9) Effective preparation of superhydrophilic-underwater superoleophobic nanoparticles/polymeric sponges for oil-water separation, Lin, Bo, He, Wen-Xu, Jiang, Li-Wang, **Fu-An He**\*(通讯作者), *Surface Topography: Metrology and Properties*, 2020,8: 045009.

10) An effective strategy on the preparation of the superhydrophobic electrospun nanoparticles/PVDF composite membranes for the oil-water separatio, Lin, Bo, Li, Zeng-Tian, Jiang, Peng, **Fu-An He**\*(通讯作者),*Surface Topography: Metrology and Properties*, 2020, 8: 025018.

11) Novel Fe<sub>3</sub>O<sub>4</sub> Nanoparticle/ $\beta$ -Cyclodextrin-Based Polymer Composites for the Removal of Methylene Blue from Water, Ze-Wu Xie, Jie-Ci Lin, Meng-Ya

Xu,Hua-Ying Wang, Ying-Xuan Wu, **Fu-An He(通讯作者)**, Hong-Liu Jiang, *Industrial & Engineering Chemistry Research*, 2020, 59: 12270-12281.

12) Preparation of a novel Fe<sub>3</sub>O<sub>4</sub>/graphite oxide nanosheet/citric acid-crosslinked beta-cyclodextrin polymer composite to remove methylene blue from water Jiang, Li-Wang, Zeng, Feng-Tao, Zhang, Yi, **Fu-An He(通讯作者)**, *Advanced Powder Technology*, 2021, 32: 492-503.

13) Preparation of superhydrophobic electrospun MWCNT-SiO<sub>2</sub>/PVDF composite membranes for oil adsorption, Li-Wang Jiang, Yi-Wang Liu, Qing-Di Hu, Feng-Tao Zeng , Yong-Yu Yang, Xin Lan, Song-Yun Chen, Bo Lin, **Fu-An He(通讯作者)**, *Surface Topography: Metrology and Properties*, 2021, <https://doi.org/10.1088/2051-672X/ac311e>.

14) A Novel Fe<sub>3</sub>O<sub>4</sub>/Graphene Oxide Composite Prepared by Click Chemistry for High-Efficiency Removal of Congo Red from Wate, Jiang, Hongliu, Cao, Yao, Zeng, Fengtao, **Fu-An He\*(通讯作者)**, *Journal of Nanomaterial*, 2021 :9716897.

15) Preparation of multi-walled carbon nanotubes/high density polyethylene composites with enhanced properties by using a master batch method, **Fu-An He\*(通讯作者)**, Li-Ming Zhang, *Polymer and Polymer Composites* , 2021 :09673911211017855.

### 3. 申请授权专利

- 1.何富安, 林国豪, 陈俊君, 施东良, 林博, 覃世豪, 吴雨娟。一种高介电常数 SBS 热塑性弹性体复合材料及其制备方法, 中国专利, 申请号: 201610117514.4.
- 2.何富安, 黎增田, 一种聚合物改性石墨烯/聚偏氟乙烯高介电复合材料及其制备方法, 申请号 CN201710778841.9
- 3.何富安, 黎增田, 吴浩通, 陈婉怡, 一种超疏水磁性密胺树脂海绵的制备方法, 申请号 CN201710983136.2
- 4.何富安, 郑旭民, 林悦凤, 林博, 黄军左, 张世杰, 一种氧化石墨烯-含氟压电薄膜及其制备方法, 申请号 CN201810162957.4

## 4. 联系方式

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