陈生辉 简历

鲁东大学，物理与光电工程学院，讲师

邮箱：csh2010@163.com

电话：0535-6653397

研究方向：

1. 纳米添加物对聚合物基体的改性机理。
2. 3D 打印过程的理论复现及产物的力学性能分析。
3. 能源材料及储能技术

教育经历：

(1) 2013-09 至 2017-06，中国石油大学（华东），材料科学与工程，博士

(2) 2014-08 至 2015-08，密西西比州立大学，化学，其他

(3) 2010-09 至 2013-07，中国石油大学（华东），材料科学与工程，硕士

(4) 2006-09 至 2010-07，中国石油大学（华东），应用物理学，学士

学术论文：

(1) **Chen Shenghui**, Ding Jiaqi, Li Quanjiang, et al. Control one-dimensional length of rectangular pore on graphene membrane for better desalination performance. *Nanotechnology*, 2022, (33): 245705

(2) **Chen Shenghui**, Li Quanjiang, He Di, et al. Dynamic exfoliation of graphene in various solvents: All-atom molecular simulations, *Chemical Physics Letters*, 2022, 804: 139900

(3) **Chen Shenghui**, Li Quanjiang, He Di, et al. Aggregation behavior of partially contacted graphene sheets in six-carbon alkanes: all-atom molecular dynamics simulation, *Journal of Molecular Modeling*, 2022, 28(6): 169

(4) **Chen Shenghui**, Wang Shan, Liu Bin, et al. Rational design of graphene slit as nano check valve, *Carbon*, 2020, 163: 113-119

(5) **Chen Shenghui**, Sun Shuangqing, Li Chunling, et al. Molecular dynamics simulations of the aggregation behaviour of overlapped graphene sheets in linear aliphatic hydrocarbons, *Molecular Simulation*, 2018, 44(12): 947-953

(6) **Chen Shenghui,** Lv Qiang, Wang Zhikun, et al. Effect of graphene dispersion on the equilibrium structure and deformation of graphene/eicosane composites as surrogates for graphene/polyethylene composites: a molecular dynamics simulation. Journal of Materials Science, 2017, 52(10): 5672-5685

(7) **Chen Shenghui**, Sun Shuangqing, Li Chunling, et al. Molecular dynamics simulations of the graphene sheet aggregation in dodecane. Journal of Nanoparticle Research, 2017, 19: 195.

(8) **Chen Shenghui**, Sun Shuangqing, Li Chunling, et al. Behavior of protruding lateral plane graphene sheets in liquid dodecane: molecular dynamics simulations. Journal of Nanoparticle Research, 2016, 18:317

(9) **Chen Shenghui**, Sun Shuangqing, Ma Yunfei, et al. Effects of coverage and solvent on H2S adsorption on the Cu(100) surface: A DFT study. Surface and Interface Analysis, 2015, 47: 565-571

(10) **Chen Shenghui**, Sun Shuangqing, Lian Bingjie, et al. The adsorption and dissociation of H2S on Cu(100) surface: A DTF study. Surface science, 2014, 620: 51-58

(11) **陈生辉**，吕强，郭继成等. 石墨烯/聚乙烯复合材料及其拉伸性能的分子动力学模拟. 高分子学报, 2017, (4): 716-726

(12) **陈生辉**，孙霜青, Gwaltney Steven R 等. 碳纳米纤维与环氧树脂单体相互作用的分子动力学模拟. 高分子学报, 2015, (10): 1158-1164