Qilu Yuan

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EDUCATION BACKGROUND

SEPT 2021-NOW	University of Science and Technology of China, Hefei, Anhui, China Major: Chemistry, Doctor of Philosophy
SEPT 2021-NOW	Changchun Institute of Applied Chemistry, Changchun, Jilin, China Major: Chemistry, Doctor of Philosophy
Aug 2017-Jun 2021	Ocean University of China, Qingdao, Shandong, China Major: POLYMER MATERIALS AND ENGINEERING, Bachelor of ENGINEERING

RESEARCH EXPERIENCE

RESEARCH EXIENCE	
FEB 2022-Now	Dynamics of Amorphous Polymer
	Simulation of glass formation of polymeric systems via LAMMPS, especially glass formation of polymer-additive composite;
OCT 2018-MAY 2020	Application of High-Temperature Resistant Cerium-based Materials in Various Catalytic Oxidation Reactions
	Investigation of the catalytic performance of a series of nanostructured ${\rm Ag/CeO}_2$ materials in practical applications ;

PUBLICATIONS

- 1) **Q.-L. Yuan**; X. Xu; J. F. Douglas*; W.-S. Xu*, Understanding Relaxation in the Kob-Andersen Liquid Based on Entropy, String, Shoving, Localization, and Parabolic Models, *J. Phys. Chem. B*, **2024**, 128(40), 10999-11021.
- 2) **Q.-L. Yuan**; X. Xu; J. F. Douglas*; W.-S. Xu*, Influence of Density and Pressure on Glass Formation in the Kob–Andersen Model, *J. Phys. Chem. B*, **2024**, 128(40), 9889-9904.
- 3) **Q.-L. Yuan**; Z. Yang; W.-S. Xu*, Advances in the generalized entropy theory of polymer glass formation, *Sci. Sin. Chim.*, **2023**, 53(4), 616-627.
- 4) Song X.Y., Yang Z., **Yuan**, **Q.-L.**, et al. Understanding Mass Dependence of Glass Formation in Ring Polymers, *Chin. J. Polym. Sci.*, **2023**, in press

SKILLS

Proficient in Polymer Physics, Polymer Glass Formation Proficient in Lammps, Gromacs, Python, Fortran, C++, LaTeX Knowledge and experience in Linux, Bash Shell, Git, CMake