



Chuanyi Liu

Masters Student in Mechanical Engineering, admitted Autumn 2026

Bio

EDUCATION AND CERTIFICATIONS

- Bachelor, Shandong University , New Energy Science and Engineering
- Bachelor, Shandong University , Financial Mathematics and Financial Engineering

Professional

WORK EXPERIENCE

- Private Equity Intern - China International Capital Corporation Limited (CICC)

Publications

PUBLICATIONS

- **APP-HNTs Polyurea Composites Towards Mechanical Reinforcement, Flame-Retardancy and Shock-Wave Mitigation** *POLYMER COMPOSITES*
Zhu, C., Xu, W., Liu, C.
2025
- **Design of cell-based collision energy-absorbing structure based on reinforcement learning** *THIN-WALLED STRUCTURES*
Ge, M., Xu, W., Liu, C., Zhao, X.
2025; 217
- **TPP-SiO₂ Aerogel synergistic modification of polyurea composites towards mechanical shock wave mitigation and flame retardancy** *COMPOSITES PART B-ENGINEERING*
Liu, C., Xu, W., Wang, C., Ma, D., Zeng, Z., Wu, N.
2025; 304
- **Propagation and dissipation mechanisms of impact stress wave in periodic hollow cylindrical chain metastructure** *THIN-WALLED STRUCTURES*
Gao, Y., Xu, W., Zhang, F., Li, C., Liu, C., Shi, S.
2026; 218
- **Investigation on Mechanical Shock Wave Protective and Thermodynamic Properties of SiO₂-Aerogel-Modified Polyurea.** *Materials (Basel, Switzerland)*
Liu, C., Xu, W., Yang, T., Ma, D., Jia, S., Li, Z.
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