



## Enquan Chew

Ph.D. Student in Mechanical Engineering, admitted Autumn 2022

### Publications

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#### PUBLICATIONS

- **Improving the impact performance of natural fiber reinforced laminate through hybridization and layup design** *COMPOSITES SCIENCE AND TECHNOLOGY*  
Liu, J. L., Pham, V. H., Mencattelli, L., Chew, E., Chua, P. Y., Shen, J., Tian, K., Zhi, J., Jiang, D., Tay, T. E., Tan, V. C.  
2024; 251
- **Improving the impact performance and residual strength of carbon fibre reinforced polymer composite through intralaminar hybridization** *COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING*  
Tian, K., Tay, T. E., Tan, V. C., Haris, A., Chew, E., Pham, V. H., Huang, J. Z., Raju, K., Sugahara, T., Fujihara, K., Zushi, H., Liu, J. L.  
2023; 171
- **Bio-inspired helicoidal thin-ply carbon fiber reinforced epoxy laminates with nylon microparticles for improved toughness and healing** *COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING*  
Liu, J. L., Pham, V. H., Tay, T. E., Huang, J., Chew, E., Tan, V. C.  
2023; 171
- **A new partially-infused fiber reinforced thermoplastic composite for improving impact resistance** *INTERNATIONAL JOURNAL OF IMPACT ENGINEERING*  
Huang, J., Tan, V. C., Chew, E., Chan, K. J., Tay, T. E., Guo, L., Liu, J. L.  
2022; 168
- **Improving the mechanical properties of natural fibre reinforced laminates composites through Biomimicry** *COMPOSITE STRUCTURES*  
Chew, E., Liu, J. L., Tay, T. E., Tran, L. N., Tan, V. C.  
2021; 258