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Publications

PUBLICATIONS

- **Impact of MXene (Ti₃C₂) addition on ignition and combustion properties of boron particles** *APPLICATIONS IN ENERGY AND COMBUSTION SCIENCE*
Huynh, A., Jiang, Y., Kiefer, M., Kim, E., Ka, D., Demko, A., Zheng, X.
2025; 24
- **Nacre-like aluminum/PVDF energetic composites with enhanced combustion and mechanical properties** *CHEMICAL ENGINEERING JOURNAL*
Jiang, Y., Ka, D., Huynh, A., Zheng, X.
2024; 502
- **Mechanical and combustion properties of fluoroalkylsilane surface-functionalized boron/HTPB composite** *COMBUSTION AND FLAME*
Ka, D., Baek, J., Jiang, Y., Huynh, A., Gross, G., Kong, D., Xia, Y., Zheng, X.
2024; 268
- **Tailoring the mechanical and combustion performance of B/HTPB composite solid fuel with covalent interfaces** *COMPOSITES SCIENCE AND TECHNOLOGY*
Jiang, Y., Leem, J., Robinson, A. M., Wu, S., Huynh, A. H., Ka, D., Zhao, R., Xia, Y., Zheng, X.
2024; 245
- **Exfoliated Magnesium Diboride (MgB₂) Nanosheets as Solid Fuels.** *Nano letters*
Jiang, Y., Ka, D., Huynh, A. H., Baek, J., Ning, R., Yu, S. J., Zheng, X.
2023
- **Perfluoroalkyl-Functionalized Graphene Oxide as a Multifunctional Additive for Promoting the Energetic Performance of Aluminum.** *ACS nano*
Jiang, Y., Wang, H., Baek, J., Ka, D., Huynh, A. H., Wang, Y., Zachariah, M. R., Zheng, X.
2022