

Dr. Muhammad Wasim Akhtar

Conference Presentations

Oral Presentation

1. The Korean institute of Chemical Engineers Fall Symposium, Apr. 2016, Daejeon-si, South Korea. **M. Wasim Akhtar**, S.Chan Kim, Y. S Lee, C.M. Yang, J.S. Kim, “Surface modification of graphene for highly thermal conductive and thermally stable epoxy composite for thermal interface materials (TIMs)”

Poster Presentation

2. The Korean institute of Chemical Engineers Spring Symposium, Apr. 2017, Jeju-do, South Korea. **M. Wasim Akhtar**, Y. S Lee, C.M. Yang, J.S. Kim “3D Hybrid structure of functionalized BNNs-Ag-Graphene nanosheets as a fillers for epoxy composite with enhanced thermal conductivity”
3. The Korean institute of Chemical Engineers Spring Symposium, Apr. 2017 Jeju-do, South Korea. **M. Wasim Akhtar**, Y. S Lee, C.M. Yang, J.S. Kim “Effect of surface modified magnesium oxide for improved thermal and mechanical properties of epoxy composite for thermal interface materials (TIMs)”
4. The Korean Society of Industrial and Chemical Engineering, 2016 KSIEC Spring Meeting, May. 2016, Yeosu-si, South Korea. Hyung-Guen Kim, C.M Yang, Y.S. Lee , **M. Wasim Akhtar** , J.S Kim and Y.S Kim “Silane treated h-BN for improved thermal conductive epoxy composite for Thermal interface materials (TIMs)”
5. The Korean institute of Chemical Engineers Spring Symposium, Apr.2016, Busan-si, South Korea. **M. Wasim Akhtar**, S.Chan Kim, Y. S Lee, C.M. Yang, J.S. Kim, “Surface modification of graphene for highly thermal conductive and thermally stable epoxy composite”
6. The Korean institute of Chemical Engineers Spring Symposium, Apr.2014, Busan-si, South Korea. **M. Wasim Akhtar**, J.S. Kim, “**Effective high shear exfoliation of graphene in volatile organic solvent for commercial applications**”

Peer-reviewed Publications

1. **M. Wasim Akhtar**, Y.S. Lee, C.M. Yang, J.S. Kim, “Functionalization of mild oxidized graphene with O-phenylenediamine for highly thermally conductive and thermally stable epoxy composites”, RSC Advances, 6 (2016), **Impact Factor: 3.108**
2. **M. Wasim Akhtar**, C.W. Park, Y.S. Kim, J.S. Kim, Facile Large Scale Production of Few-Layer Graphene Sheets by Shear Exfoliation in Volatile Solvent, Journal of Nanoscience and Nanotechnology, 15 (2015) 9624-9629. **Impact Factor: 1.483**