Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS
Classification for the flow defects in metallic glass materials;
Molecular Dynamics Simulation for the Nano-indentation of Al-Mg alloy;
Spherical Harmonics Approach of the spherical elasticity problem;

Publications

PUBLICATIONS

• *Microparticle traction force microscopy reveals subcellular force exertion patterns in immune cell-target interactions*. *Nature communications*  
  2020; 11 (1): 20

• *Spherical harmonics method for computing the image stress due to a spherical void*. *Journal of the Mechanics and Physics of Solids*  
  Wang, Y., Zhang, X., Cai, W.  
  2019; 126: 151–67

• *Strengthening Mechanism of a Single Precipitate in a Metallic Nanocube*. *Nano Letters*  
  Kiani, M. T., Wang, Y., Bertin, N., Cai, W., Gu, X.  