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Crumple-formed paper derived materials subjected to deformation and mechanical properties are studied in a series of research papers. For instance, Torre et al. (2017) investigated the mechanical properties of Ti-6Al-4V with a focus on how to strengthen it using nano-twinned Cu/Ag multilayered materials. Ramezani et al. (2017) explored the effects of strain rate on the microstructure evolution and mechanical response of magnesium alloy AZ31. Huang et al. (2016) developed a Coarse-Grained Approach to Modelling Tensile Compression for hard Acrocomia mexicana fruit shell. Guillard et al. (2017) studied the compaction dynamics of crunchy granular material using smooth particle hydrodynamics. Gharahdast et al. (2017) worked on the numerical investigation of blast-induced fractures using smoothed particle hydrodynamics.

In 2017, a kinematically enhanced constitutive model for elastic and inelastic analysis of unidirectional fibre reinforced composite materials was introduced by Vu et al. (2017). Mukherjee et al. (2017) presented a single yield surface damage plasticity model incorporating pressure and strain rate dependency. Giuffrida et al. (2017) proposed a technique for the elimination of stress waves overlapping in the Split Hopkinson Pressure bar. Wang et al. (2017) captured the effects of inter-grain contact material on the dynamic fracture of short glass bead chains under impact.


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Shen, L. (2005). Recent Advances in Multi-Scale Model-Based Simulation of Thin Film Growth and Mechanical Responses. *International Conference on Computational & Experimental Engineering and Sciences (ICCES05)*, India: ICCES05.


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