The stability of graphite oxide and graphene oxide powders varies depending on storage conditions. On page 1266, C. K. Chua and M. Pumera show that, when kept over 30 weeks at room temperature, light and storage atmosphere influence the quasi-equilibrium states of both graphene materials. The instability and gradual degradation of the graphene materials are depicted by the popular stack-crashing game in the image, which is increasingly unstable with higher stacking of wooden blocks until it finally collapses due to instability.