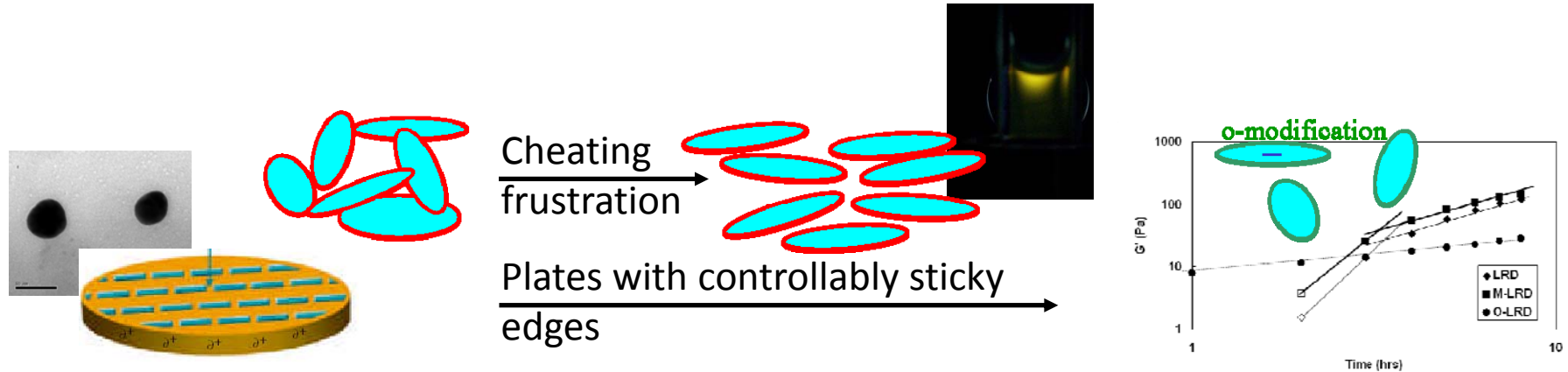


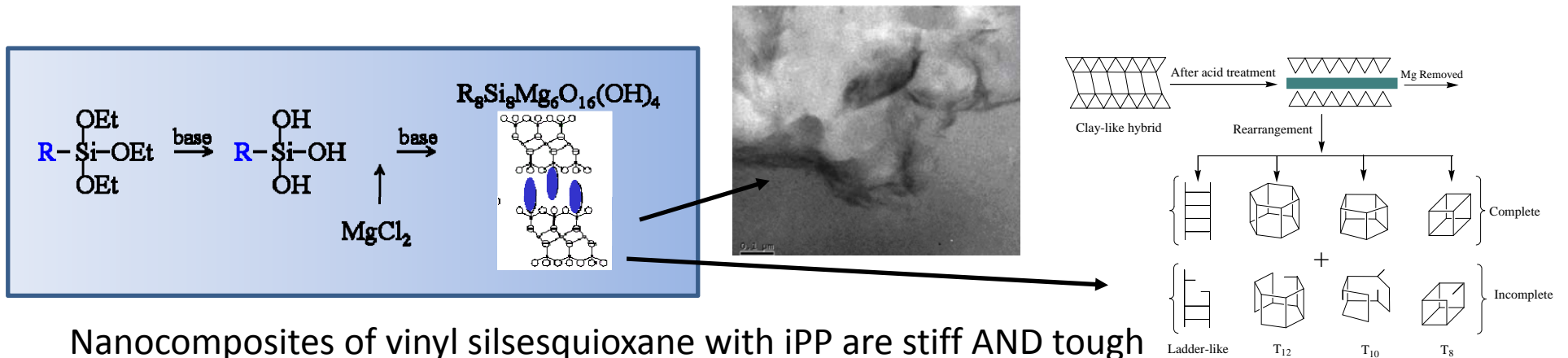
Anisotropic particles: Anisotropic interactions; Nanocomposites



Organic edge-modification (systematically vary from methyl modified to octyl modified) of laponite to control mechanism/geometry of aggregation during gelation

J. Phys. Chem. B, **2008**, 112, 4536

Effect of polyvalent salts in preventing rapid gelation of laponite – nematic states?



Nanocomposites of vinyl silsesquioxane with iPP are stiff AND tough

Ind. Eng. Chem. Res., **2008**, 47, 3891

Degradation of phenyl silsesquioxane results in ladder-like and cage-like structures

J. Phys. Chem. B, **2005**, 109, 16034