

Angell dynamics of liquids

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Abstract:

The concept of fragility proposed by Austen Angell gave profound impacts to the research fields of liquids and glasses. This concept is intimately related to the most fundamental questions regarding the nature of liquids, some of which are discussed here based upon the recent research results of our group: Why does the Angell plot converge at high temperatures? What induces the crossover phenomenon? What is the physical basis of fragility? Whereas at this moment we do not have complete answers to all of these questions, discussion of these questions is an intellectually exciting exercise which we hope will guide us in the right direction.

