











Stabilization by association

Excited stae molecules are stabilized by association in a manner that cannot be achieved by geornd state molecules.

This simple ideas mean that association will occur more readily in the excited than in the ground state.

Given the scheme that follows, why is it that not all excited molecules associate. Shouldn't they ALL associate?



















	Benzophenone triplet	(CH ₃) ₃ CO•
Cyclohexane	0.45	1.6
Methanol	0.21	0.29
Benzhydrol	7.5	7.2
Triethylsilane	9.6	5.7













