Figure 1: RSA of disk-shaped molecules with nearest neighbor blocking and a diffusion barrier of 0.15 eV. The interaction energy is a) 0.0 eV, b) -0.025 eV, c) -0.05 eV, d) -0.1 eV, e) -0.15 eV, f) -0.2 eV, g) -0.3 eV, and h) -0.4 eV. Domains emerge when the interaction energy is between -0.15 eV and -0.2 eV for this configuration.
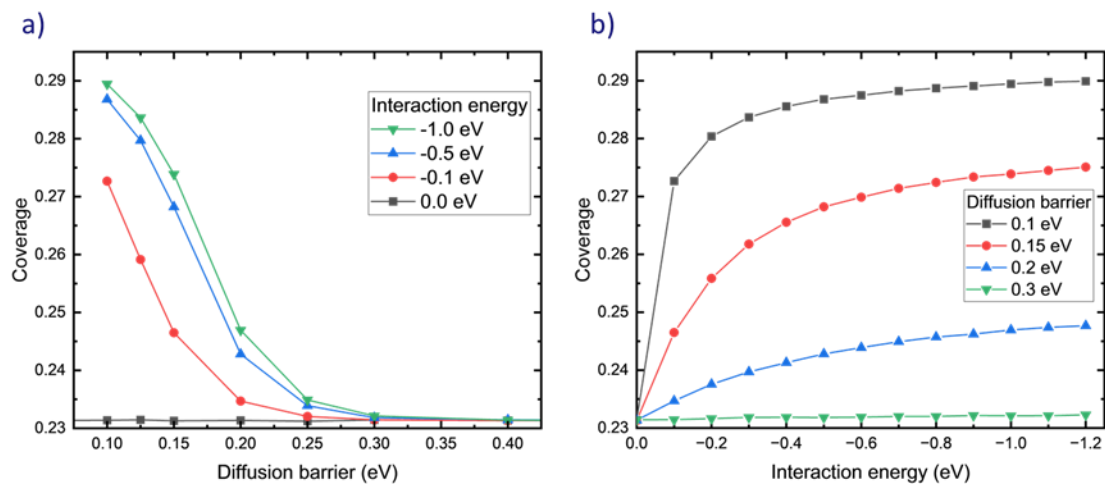

Figure 2: The coverage as a function of a) the diffusion barrier for various interaction energies, b) the interaction energy for various diffusion energy barriers. If there is attraction between SMIs and the diffusion barrier is low enough, the coverage improves significantly. A low diffusion barrier improving the coverage. Strong interaction energies have diminishing returns.