Self-assembly via anisotropic interactions

Modeling association kinetics of patchy particle systems and self-assembly induced by critical Casimir forces

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- **Chapter 4**
  Newton, A. C.[2,4,5]; Groenewold, J.[1]; Kegel, W. K.[1,5]; Bolhuis, P. G.[1,4,5,6]; *Proceedings of the National Academy of Sciences*, **112**, 15308, 2016, Rotational diffusion affects the dynamical self-assembly pathways of patchy particles

- **Chapter 5**
  Newton, A. C.[2,4,5]; Groenewold, J.[1]; Kegel, W. K.[1]; Bolhuis, P. G.[1,5,6]; *in preparation*, The role of multivalency in the association kinetics of patchy particle complexes

- **Chapter 6**
  Newton, A. C.[1,2,4,5]; Kools, R.[2]; Swenson, D. W. H.[1,5]; Bolhuis, P. G.[1,5,6]; *in preparation*, The opposing effects of isotropic and anisotropic attraction on dimerization kinetics

[1] Design research
[2] Performed research (simulations)
[3] Performed research (experiments)
[4] Analysis data
[5] Preparation manuscript
[6] Project supervision