

Publication list of C. Svaneborg

1. "Simulation of migration and coalescence of metal inclusions in homogeneous and isotropic media". C. Svaneborg, S. Steenstrup, and K.K. Bourdelle. *Nucl. Inst. Meth. B* **142**, 89 (1998).
2. "A Monte Carlo study on the effect of excluded volume interactions on the scattering from block copolymer micelles". C. Svaneborg and J.S. Pedersen. *J. Chem. Phys.* **112**, 9661 (2000).
3. "Block Copolymer micelle coronas as quasi two-dimensional dilute or semi-dilute polymer solutions". C. Svaneborg and J.S. Pedersen. *Phys. Rev. E (rapid comm.)* **63**, 10802 (2001).
4. "Form factors of block copolymer micelles with excluded volume interactions of the corona chains determined by Monte Carlo simulations". C. Svaneborg and J.S. Pedersen. *Macromolecules* **35**, 1028-1037 (2002).
5. "Scattering from block copolymer micelles". J.S. Pedersen and C. Svaneborg. *Curr. Opinion in Colloid and Interface Science* **7**, 158-166 (2002).
6. "A small-angle neutron and X-ray contrast variation scattering study of the structure of block copolymer micelles: Corona shape and excluded volume interactions". J.S. Pedersen, C. Svaneborg, K. Almdalm I.W. Hamley, and R.N. Young. *Macromolecules* **36**, 416-433 (2003)
7. "Rheology and Microscopic Topology of Entangled Polymeric Liquids". R. Everaers, S.K. Sukumaran, G.S. Grest, C. Svaneborg, A. Sivasubramanian, and K. Kremer. *Science* **303**, 823-826 (2004)
8. "Monte Carlo simulations and analysis of scattering from neutral and polyelectrolyte polymer and polymer-like systems". C. Svaneborg and J.S. Pedersen. *Current Opinion in Colloid and Interface Science* **8**, 507-514 (2004).
9. "Strain-Dependent Localization, Microscopic Deformations, and Macroscopic Normal Tensions in Model Polymer Networks". C. Svaneborg, G.S. Grest, and R. Everaers. *Phys. Rev. Lett.* **93**, 257801 (2004)
10. "Disorder effects on the strain response of model polymer networks". C. Svaneborg, G.S. Grest, and R. Everaers. *Polymer* **46**, 4283, (2005).
11. "Scattering from polymer networks under elongational strain". C. Svaneborg, G.S. Grest, and R. Everaers. *Europhysics Lett.* **72**, 760 (2005)
12. "Permanent Set of Crosslinking Networks: Comparison of Theory with Molecular Dynamics Simulations". D. R. Rottach, J. G. Curro, J. Budzien, G. S. Grest, C. Svaneborg and R. Everaers. *Macromolecules* **39**, 5521-5530 (2006).
13. "Molecular Dynamics Simulations of Polymer Networks Undergoing Sequential Cross-Linking and Scission Reactions". D. R. Rottach, J. G. Curro, J. Budzien, G. S. Grest, C. Svaneborg and R. Everaers. *Macromolecules* **40**, 131-139 (2007).
14. "Connectivity and Entanglement Stress Contributions in Strained Polymer Networks". C. Svaneborg, R. Everaers, G.S. Grest, and J.G. Curro. *Macromolecules* **41**, 4920-4928 (2008).
15. "Microphase separation in cross-linked polymer blends: Efficient replica RPA post-processing of simulation data for homopolymer networks" A.V. Klopper, C. Svaneborg, and R. Everaers. *Eur. Phys. J. E.* **28**, 89-96 (2009).
16. "Stress Relaxation in Entangled Polymer Melts". J.-X. Hou, C. Svaneborg, R. Everaers, and G.S. Grest. *Phys. Rev. Lett.* **105**, 068301 (2010)