

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).