

- [110] L. Rockford, Y. Liu, P. Mansky, T. P. Russell, M. Yoon, and S. G. J. Mochrie, “Polymers on nanoperiodic, heterogeneous surfaces,” *Phys. Rev. Lett.* **82**, 2602–2605 (1999).
- [111] A. Sehgal, V. Ferreiro, J. F. Douglas, E. J. Amis, and A. Karim, “Pattern-directed dewetting of ultrathin polymer films,” *Langmuir* **18**, 7041–7048 (2002).
- [112] M. Geoghegan and G. Krausch, “Wetting at polymer surfaces and interfaces,” *Prog. Polym. Sci.* **28**, 261–302 (2003).
- [113] P. Lenz and R. Lipowsky, “Morphological transitions of wetting layers on structured surfaces,” *Phys. Rev. Lett.* **80**, 1920–1923 (1998).
- [114] C. Bauer, S. Dietrich, and A. O. Parry, “Morphological phase transitions of thin fluid films on chemically structured substrates,” *Europhys. Lett.* **47**, 474–480 (1999).
- [115] R. Konnur, K. Kargupta, and A. Sharma, “Instability and morphology of thin liquid films on chemically heterogeneous substrates,” *Phys. Rev. Lett.* **84**, 931–934 (2000).
- [116] M. Brinkmann and R. Lipowsky, “Wetting morphologies on substrates with striped surface domains,” *J. Appl. Phys.* **92**, 4296–4306 (2002).
- [117] L. Brusch, H. Kühne, U. Thiele, and M. Bär, “Dewetting of thin films on heterogeneous substrates: Pinning vs. coarsening,” *Phys. Rev. E* **66**, 011602 (2002).
- [118] U. Thiele, L. Brusch, M. Besthorn, and M. Bär, “Modelling thin-film dewetting on structured substrates and templates: Bifurcation analysis and numerical simulations,” *Eur. Phys. J. E* **11**, 255–271 (2003).
- [119] U. Thiele, “Open questions and promising new fields in dewetting,” *Eur. Phys. J. E* **12**, 409–416 (2003).
- [120] D. M. Anderson, G. B. McFadden, and A. A. Wheeler, “Diffuse-interface methods in fluid mechanics,” *Ann. Rev. Fluid Mech.* **30**, 139–165 (1998).
- [121] U. Thiele, S. Madruga, and L. Frastia, “Decomposition driven interface evolution for layers of binary mixtures: I. Model derivation and stratified base states,” *Phys. Fluids* **19**, 122106 (2007).
- [122] O. A. Frolovskaya, A. A. Nepomnyashchy, A. Oron, and A. A. Golovin, “Stability of a two-layer binary-fluid system with a diffuse interface,” *Phys. Fluids* **20**, 112105 (2008).
- [123] S. Madruga and U. Thiele, “Decomposition driven interface evolution for layers of binary mixtures: II. Influence of convective transport on linear stability,” *Phys. Fluids* **21**, 062104 (2009).