

# Publikationsliste

1. M. Einax, *Modenkopplungstheorie und Fock-Raum-Darstellung*, Diplomarbeit, Martin-Luther-Universität Halle-Wittenberg, 1997
2. D. Lorenz, W. Fränzel, M. Einax, P. Grau, and G. Berg, *Determination of the elastic properties of glasses and polymers exploiting the resonant characteristic of depth-sensing indentation tests*, J. Mat. Res. **16**, 1776 (2001)
3. M. Einax and M. Schulz, *Mode-coupling approach for spin-facilitated kinetic Ising models*, J. Chem. Phys. **115**, 2282 (2001)
4. M. Einax, *Feldtheorie unterkühlter Flüssigkeiten*, Dissertation, Universität Ulm, 2004
5. M. Einax, M. Schulz, and S. Trimper, *Friction and second-order phase transition*, Phys. Rev. E **70**, 046133 (2004)
6. S. Heinrichs, M. Einax, W. Dieterich, P. Maass, and A. Maihofer, *Surface Diffusion and growth of Alloy Nanoclusters: A Monte Carlo Study*, In Diffusion Fundamentals, hrsg. v. J. Kärger, F. Grinberg und P. Heitjans (Leipziger Universitätsverlag, Leipzig, 2005), S. 138, Diffusion Fundamentals I: Basic Principles of Theory, Experiment and Application, Leipzig, 22.-24. September 2005
7. M. Einax and M. Schulz, *Functional renormalization group approach - an alternative route to go beyond mode coupling theory theory*, J. Non-Cryst. Solids **352**, 4862 (2006)
8. M. Einax, S. Heinrichs, P. Maass, A. Majhofer, and W. Dieterich, *Influence of external magnetic fields on the growth of alloy nanoclusters*, J. Phys.: Condensed Matter **19**, 086227 (2007), cond-mat/0610589
9. M. Einax, S. Ziehm, W. Dieterich, and P. Maass, *Scaling of island densities in submonolayer growth of binary alloys*, Phys. Rev. Lett. **99**, 016106 (2007)
10. M. Einax, S. Heinrichs, P. Maass, A. Majhofer, and W. Dieterich, *Simulation of MBE-growth of alloy nanoclusters in a magnetic field*, Materials Science and Engineering C **27**, 1325 (2007)

11. W. Dieterich, M. Einax, S. Heinrichs, and P. Maass, In *Anomalous Fluctuation Phenomena in Complex Systems: Plasmas, Fluids, and Financial Markets*, hrsg. v. C. Riccardi und H.E. Roman, Special Review Book for Research Signpost (Transworld Research Network, Kerala, India 2008)
12. W. Dieterich, M. Einax, and P. Maass, *Stochastic theories and scaling relations for early-stage surface growth*, Eur. Phys. J. Special Topics **161**, 151 (2008).
13. M. Einax and W. Dieterich, *1D lattice model for binary growth and surface relaxation*, New J. Phys. **10**, 103008 (2008).
14. M. Einax and M. Schulz, *Comment on “Dynamic Criticality in Glass-Forming Liquids”*, to be submitted (Phys. Rev. Lett.),
15. M. Einax and M. Schulz, *The connection between Clebsch potentials and the transport equations of complex fluids* , to be submitted