

Table 3:
 Joint publications

Journal	Authors	Title	Partners
Physica B 385-386, 738 (2006)	H. Frielinghaus, S. Maccarrone, D. Byelov, J. Allgaier, D. Richter, T. Auth, G. Gompper	SANS studies of confined diblock copolymers in microemulsions	1(a), 1(c), 22
Physical Review Letters 96, 238302 (2006)	M. Zamponi, A. Wischnewski, M. Monkenbusch, L. Willner, D. Richter, A.E. Likhtman, G. Kali, B. Farago	Molecular Observation of Constraint Release in Polymer Melts	1(a), 11
Soft Matter 2, 476 (2007)	J. Oberdisse, P. Hine, W. Pyckhout-Hintzen	Structure of interacting aggregates of silica nanoparticles in a polymer matrix: mall-angle scattering and Reverse Monte-Carlo simulations	1(a), 11, 18(b)
J. Chem. Phys. 125, 154904 (2006)	R. Zorn, M. Monkenbusch, D. Richter, A. Alegría*, J. Colmenero*, B. Farago*	Plasticizer effect on the dynamics of polyvinylchloride studied by dielectric spectroscopy and quasielastic neutron scattering	1(a), 20
Physica B 385-386, 735 (2006)	R. Lund, L. Willner, J. Stellbrink, D. Richter	Equilibrium exchange kinetics in PEP-PEO block copolymer micelles. A time resolved SANS study	1(a), 20
Physical Review Letters 98, 168301 (2007)	K. Niedzwiedz, A. Wischnewski, M. Monkenbusch, D. Richter, A.-C. Genix, A. Arbe, J. Colmenero, M. Strauch, E. Straube	Polymer Chain Dynamics in a Random Environment: Heterogeneous Mobilities	1(a), 20
J. Chem. Phys. 122, 44905 (2005)	K. Kang, J. Gapinski, M.P. Lettinga, J. Buitenhuis, G. Meier, M. Ratajczyk, J.K.G. Dhont, A. Patkowski	Diffusion of spheres in crowded suspensions of rods	1(b), 24
J. Phys.: Condens. Matter 17, 7783 (2005)	A. Fortini, M. Dijkstra and R. Tuinier	Phase behaviour of charged colloidal sphere dispersions with added polymer chains	1(b), 8(a)
J. Phys.: Condens. Matter 17, S3469 (2005)	S. Roke, J. Buitenhuis, J.C. van Miltenburg, M. Bonn and A. van Blaaderen	Interface-solvent effects during colloidal phase transitions	1(b), 8(a), 18(a)
Proceedings of the National Academy of Sciences 103, 13310 (2006)	S. Roke, O. Berg, J. Buitenhuis, A. van Blaaderen, M. Bonn	Surface molecular view of colloidal gelation	1(b), 8(a), 18(a)
Phys. Rev. Lett. 97, 217801 (2006)	R. A. L. Vallee, M. Van Der Auweraer, W. Paul, K. Binder	Fluorescence lifetime of a single molecule as an observable of metabasin dynamics in fluids near the glass transition	2, 14
Europhysics Letters 77, 60002 (2007)	A. De Virgiliis, R. L. C. Vink, J. Horbach, K. Binder	Colloid-Polymer mixtures confined between asymmetric walls: Evidence for an interface localization transition	2, 5

NIC Serie 32, 235 (2006)	R. Vink, A. De Virgiliis, S. Wolfsheimer, T. Schilling, J. Horbach, K. Binder	Interfacial properties of colloidal model systems	2, 5
Phys. Rev. E 74, 31601 (2006)	R. L. C. Vink, A. De. Virgiliis, J. Horbach, K. Binder	Phase diagram and structure of colloid-polymer mixtures confined between walls	2, 5
Phys. Rev. Lett. 97, 230603 (2006)	R. L. C. Vink, K. Binder, H. Löwen	Critical behavior of colloid-polymer mixtures in random porous media	2, 5
Phys. Rev. E 73, 56118 (2006)	R. L. C. Vink, K. Binder, J. Horbach	Critical behavior of a colloid-polymer mixture confined between walls	2, 5
Phys. Rev. Lett. 97, 87801 (2006)	H. Van Der Beek, H. Reich, P. van der Schoot, M. Dijkstra, T. Schilling, R. Vink, M. Schmidt, R. Van Roij, H. Lekkerkerker	The isotropic-nematic interface and wetting in suspensions of colloidal platelets	2, 5, 8(b)
Phys. Rev. E 73, 61703 (2006)	S. Wolfsheimer, C. Tanase, R. Shundyak, R. Van Roij, T. Schilling	The isotropic-nematic interface in suspensions of hard rods: Mean field properties and capillary waves	2, 8(a)
Rheologica Acta (2007)	C. Mayer, E. Stiakakis, E. Zaccarelli, C. N. Likos, F. Sciortino, H. Löwen, P. Tartaglia, and D. Vlassopoulos	Rheological transitions in asymmetric colloidal star mixtures	5, 23
Advanced Materials 18, 1662 (2006)	J. H. J. Thijssen, A. V. Petukhov, D. C. 't Hart, A. Imhof, C. H. M. van der Werf, R. E. I. Schropp, and A. van Blaaderen	Characterization of photonic colloidal single crystals by microradian X-ray diffraction	8(a), 8(b)
Journal of Applied Crystallography 39, 137 (2006)	A. V. Petukhov, J. H. J. Thijssen, D. C. 't Hart, A. Imhof, A. van Blaaderen, I. P. Dolbnya, A. Snigirev, A. Moussaïd and I. Snigireva	Microradian X-ray diffraction in colloidal photonic crystals	8(a), 8(b)
Physical Review Letters 96, 28304 (2006)	R. P. A. Dullens, M. C. D. Mourad, D. G. A. L. Aarts, J. P. Hoogenboom, and W. K. Kegel	Shape-induced frustration of hexagonal order in polyhedral colloids	8(a), 8(b)
Physical Review Letters 97, 38301 (2006)	D. Derks, D. G. A. L. Aarts, D. Bonn, H. N. W. Lekkerkerker, and A. Imhof	Suppression of thermally excited capillary waves by shear flow	8(a), 8(b)
Physical Review Letters 97, 87801 (2006)	D. van der Beek, H. Reich, P. van der Schoot, M. Dijkstra, T. Schilling, R. Vink, M. Schmidt, R. van Roij, and H. Lekkerkerker	Isotropic-nematic interface and wetting in suspensions of colloidal platelets	8(a), 8(b)
J Physics Condensed Matter 18, L415-L420 (2006)	V. Gordon, W.C.K. Poon, S. Egelhaaf, P.A. Beales, M.E. Cates, F.C. MacKintosh, P.D. Olmsted and Z. Zhao	Lipid organization and the morphology of solid-like domains in phase-separating binary lipid mixtures	11, 12

Chemistry of materials 19, tba (2007)	A. Aerts, L. R. A. Follens, M. Haouas, T. P. Caremans, M. Delsuc, B. Loppinet, J. Vermant, B. Goderis, F. Taulelle, J. A. Martens, C. Kirschhock	Combined NMR, SAXS and DLS study of concentrated clear solutions used in Silicalite-1 zeolite synthesis	14, 23
Phys. Rev. Lett. 98, 018102 (2007)	P. Sens, N. Gov	Force Balance and Membrane Shedding at the Red-Blood-Cell Surface	15, 22
European Phys. J. E. (2007)	A.Giahi, F. El Alaoui, P. Bassereau, T. Salditt	ctive membranes studied by X-ray scattering.	15, 6
Phys. Rev. Lett. 97, 244502 (2006)	Y. Hennequin , D.G.A .L. Aarts , J.H. van der Wiel, G. Wegdam, J. Eggers, H.N.W. Lekkerkerker , D. Bonn	Drop formation by thermal fluctuations at an ultralow surface tension	18(a), 8(b)
Physical Review Letters 97, 38301 (2006)	D. Derks, D. G. A. L. Aarts, D. Bonn, H. N. W. Lekkerkerker, and A. Imhof	Suppression of thermally excited capillary waves by shear flow	18(a), 8(b), 8(a)
J. Phys. Chem. C 111, 5020 (2007)	J. Rodríguez-Fernández, J. Pérez-Juste, L.M. Liz-Marzán, P.R. Lang	Dynamic Light Scattering of short Au-rods with low Aspect Ratio	19, 1(b)
Advanced Materials 18, 2529 (2006)	A. Sánchez-Iglesias, I. Pastoriza-Santos, J. Pérez-Juste, B. Rodríguez-González, J. García de Abajo, L.M. Liz-Marzán	Synthesis and Optical Properties of Gold Nanodecahedra with Size Control	19, 20
Langmuir 22, 7007 (2006)	J. Rodríguez-Fernández, J. Pérez-Juste, F.J. García de Abajo, L.M. Liz-Marzán	Seeded Growth of Submicron Au Colloids with Quadrupole Plasmon Resonance Modes	19, 20
Journal of Applied Crystallography 40, 1 (2007)	R. Lund; L. Willner; D. Richter; H. Iatrou; N. Hadjichristidis and P. Lindner	Unraveling the Equilibrium Chain Exchange Kinetics of Polymeric Micelles using Time Resolved SANS- Architectural and Topological Effect	20, 1(a)
Macromolecules 39, 6260 (2006)	A. C. Genix, A. Arbe, F. Alvarez, J. Colmenero, B. Farago, A. Wischniewski, D. Richter	Self- and Collective Dynamics of Syndiotactic Poly(methyl methacrylate). A Combined Study by Quasielastic Neutron Scattering and Atomistic Molecular Dynamics Simulations	20, 1(a)
J. Chem. Phys. 126, 14707 (2007)	J. Tomasseo, G.Petekidis, W. Steffen, G.Fytas, A.B. Schoefield and N. Stefanou	Hypersonic Acoustic Excitations in Binary Colloidal Crystals: Big versus Small Hard Sphere Control	23, 12
Europhysics Letters 74, 268 (2006)	L. Xie, M. J. Biggs, D. Glass, S. U. Egelhaaf, G. Petekidis and A. S. McLeod	Granular temperature profiles in a two-dimensional fluidized bed of hollow microparticles	23, 5, 12
Europhysics Letters 75, 624 (2006)	K. Pham, G. Petekidis, D. Vlassopoulos, S.U. Egelhaaf, P.N. Pusey, and W.C.K Poon	Yielding of colloidal glasses	23, 5, 12
J. Chem. Phys. 126, 014508(1-9) (2007)	A. Patkowski and J. Gapinski, G. Meier and H. Kriegs	Isotropic Brillouin Spectra of Liquids Having an Internal Degree of Freedom	24, 1(b)

J. Chem. Phys. 126, 104905(1-12) (2006)	J. Gapinski, A. Patkowski, A. J. Banchio, P. Holmqvist, G. Meier, M. P. Lettinga and G. Nägele	Collective diffusion in charge-stabilized suspensions: concentration and salt effects	24, 1(b)
J. Chem. Phys. 126, 214501 (2007)	Kyongok Kang, A. Wilk, A. Patkowski, and Jan K.G. Dhont	Diffusion of Spheres in Isotropic and Nematic Networks of Rods: Electrostatic Interactions and Hydrodynamic Screening	24, 1(b)
Polymer 47, 7231-7240 (2006)	A. Patkowski, J. Gapinski, T. Pakula, G. Meier	Physical nature of complex structural relaxation in polysiloxane - PMpTS: alpha- and alpha'-relaxation	24, 1(b)
Langmuir 22, 7617 (2006)	J.Penfold, I.Tucker, R.K.Thomas, D.J.Taylor and X.L.Zhang	pH sensitive adsorption of polypeptide/sodium dodecyl sulfate mixtures	28, 13
Langmuir 22, 8840 (2006)	J.Penfold, I.Tucker, R.K.Thomas, D.J.Taylor, J.Zhang and C.Bell	Influence of the polyelectrolyte poly(ethyleneimine) on the adsorption of surfactant mixtures of sodium dodecyl sulfate and monododecyl hexaethylene glycol at the air-solution interface	28, 13
Langmuir 23, 3128 (2007)	J.Penfold, I.Tucker, R.K.Thomas, D.J.Taylor, X.L.Zhang, C.Bell, C.Breward and P.Howell	The interaction between sodium alkyl sulfate surfactants and the oppositely charged polyelectrolyte, polyDMDAAC, at the air-water interface: The role of alkyl chain length and electrolyte and comparison with theoretical predictions	28, 13
Langmuir 23, 3690 (2007)	J.Penfold, I.Tucker, R.K.Thomas, D.J.Taylor, J.Zhang and X.L.Zhang	The impact of electrolyte on the adsorption of sodium dodecyl sulfate/polyethyleneimine complexes at the air-solution interface	28, 13