

Veröffentlichungen Nicolas Schork:

1. N. Schork, S. Schuhmann, O. Gruschke, D. Groß, K. Zick, H. Nirschl, G. Guthausen: "*Recent MRI and diffusion studies of food structures*", Annual Reports on NMR Spectroscopy **100** (2020) DOI: 10.1016/bs.arnmr.2020.02.002.
2. R. Schopf, N. Schork, E. Amling, H. Nirschl, G. Guthausen, U. Kulozik: "*Structural Characterisation of Deposit Layer during Milk Protein Microfiltration by Means of in-situ MRI and Compositional Analysis*", Membranes **10**(4): 59 (2020) DOI: 10.3390/membranes10040059.
3. N. Schork, S. Schuhmann, H. Nirschl, G. Guthausen: "*In situ measurement of deposit layer formation during skim milk filtration by MRI*", Magnetic Resonance in Chemistry **57**: 738-748 (2019) DOI: 10.1002/mrc.4826.
4. S. Schuhmann, J.W. Simkins, N. Schork, S.L. Codd, J.D. Seymour, M. Heijnen, F. Saravia, H. Horn, H. Nirschl, G. Guthausen: "*Characterization and quantification of structure and flow in multichannel polymer membranes by MRI*", Journal of Membrane Science **570**: 472-480 (2019) DOI: 10.1016/j.memsci.2018.10.072.
5. M. Ibrahim, S. Krämer, N. Schork, G. Guthausen: "*Polyoxometalate-based high-spin cluster systems: a NMR relaxivity study up to 1.4 GHz/33 T*", Dalton Transactions **48**: 15597-15604 (2019) DOI: 10.1039/c9dt02052g.
6. N. Schork, S. Schuhmann, F. Arndt, S. Schütz, G. Guthausen, H. Nirschl: "*MRI investigations of filtration: Fouling and cleaning processes*", Microporous and Mesoporous Materials **269**: 60-64 (2018) DOI: 10.1016/j.micromeso.2017.05.042.
7. S. Schuhmann, N. Schork, K. Beller, H. Nirschl, T. Oerther, G. Guthausen: "*In-situ characterization of deposits in ceramic hollow fiber membranes by compressed sensing RARE-MRI*", AIChE Journal **64**(11): 4039–4046 (2018) DOI: 10.1002/aic.16201.
8. N. Schork, H.-J. Heidebrecht, R. Schopf, F. Arndt, S. Schuhmann, G. Guthausen, H. Nirschl, U. Kulozik: "*Milk protein fractionation by means of microfiltration, An in-situ investigation of fouling formation on hollow fiber membranes – Part 3*", International Dairy Magazine **10**: 3 (2017).