

## Veröffentlichungen von Nicolas Schork:

1. **N. Schork**, S. Schuhmann, H. Nirschl, G. Guthausen, *Compressed sensing MRI to characterize sodium alginate deposits during cross-flow filtration in membranes with a helical ridge*, in *Journal of Membrane Science*, 626, 119170, Elsevier, Amsterdam, Niederlande, **2021**. DOI: 10.1016/j.memsci.2021.119170
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* in *Membranes*, 10, 59, **2020**, online veröffentlicht. DOI: 10.3390/membranes10040059.
3. **N. Schork**, S. Schuhmann, O. Gruschke, D. Groß, K. Zick, H. Nirschl, G. Guthausen, *Recent MRI and diffusion studies of food structures* in *Annual Reports on NMR Spectroscopy 100*, 203, Elsevier, Amsterdam, Niederlande, Academic Press Books, **2020**. DOI: 10.1016/bs.arnmr.2020.02.002
4. **N. Schork**, S. Schuhmann, H. Nirschl, G. Guthausen, *In situ measurement of deposit layer formation during skim milk filtration by MRI* in *Magnetic Resonance in Chemistry*, 57, 738-748, Wiley, Hoboken, New Jersey, USA, **2019**. DOI: 10.1002/mrc.4826
5. 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* in *Journal of Membrane Science*, 570, 472-480, Elsevier, Amsterdam, Niederlande, **2019**. DOI: 10.1016/j.memsci.2018.10.072
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7. **N. Schork**, S. Schuhmann, F. Arndt, S. Schütz, G. Guthausen, H. Nirschl, *MRI investigations of filtration: Fouling and cleaning processes* in *Microporous and Mesoporous Materials*, 269, 60-64, Elsevier, Amsterdam, Niederlande, **2018**. DOI: 10.1016/j.micromeso.2017.05.042
8. 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* in *AICHE Journal*, 64, 4039-4046, Wiley, Hoboken, New Jersey, USA, **2018**. DOI: 10.1002/aic.16201.
9. **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* in *International Dairy Magazine*, 10, 3, **2017**.
10. F. Arndt, H.-J. Heidebrecht, **N. Schork**, S. Schuhmann, U. Kulozik, S. Schütz, H. Nirschl, G. Guthausen: *Deposit layer formation during skim milk dead-end filtration with ceramic hollow fiber membranes using magnetic resonance imaging* in *Magnetic Resonance in Food Science 2016 Proceedings*, 55, IM Publications Open, West Sussex, Vereintes Königreich, **2016**. DOI: 10.1255/mrfs.11