

PUBLIKATIONEN UND PROCEEDINGS

Arndt, F., H.-J. Heidebrecht, N. Schork, S. Schuhmann, U. Kulozik, S. Schütz, H. Nirschl, and G. Guthausen. 2016. 'Deposit layer formation during skim milk dead-end filtration with ceramic hollow fiber membranes using magnetic resonance imaging.' in J. van Duynhoven and G. Guthausen (eds.), Proceedings of the XIII International Conference on the Applications of Magnetic Resonance in Food Science (implications: MR in Food 2016).

Arndt, F., S. Schuhmann, G. Guthausen, S. Schütz, and H. Nirschl. 2017. 'In situ MRI of alginate fouling and flow in ceramic hollow fiber membranes', Journal of Membrane Science, 524: 691-99.

Schork, N., S. Schuhmann, F. Arndt, S. Schütz, G. Guthausen, and H. Nirschl. 2017. 'MRI investigations of filtration: Fouling and cleaning processes', Microporous and Mesoporous Materials.

Klemens, F., S. Schuhmann, G. Guthausen, G. Thäter, and M. J. Krause. 2018. 'CFD-MRI: A coupled measurement and simulation approach for accurate fluid flow characterisation and domain identification', Computers and Fluids, 166.

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 J, (2018).

M.-L. Maier, S. Milles, S. Schuhmann, G. Guthausen, H. Nirschl, M.J. Krause, Fluid flow simulations verified by measurements to investigate adsorption processes in a static mixer (under review), Comput Math Appl, (2018)