

Publikationsliste

Ausgewählte Peer-Reviewed Artikel

K Bente, S Mohammadinejad, M A Charsooghi, F Bachmann, A Codutti, C T Lefèvre, S Klumpp, D Faivre (2020): *High-speed motility originates from cooperatively pushing and pulling flagella bundles in bilophotrichous bacteria*. - eLife, 9, p. e47551.

K Bente, A Codutti, F Bachmann, D Faivre (2018): *Biohybrid and Bioinspired Magnetic Microswimmers*. - Small, 14, p. 1704374.

M M Stanton, B-W Park, D Vilela, **K Bente**, D Faivre, M Sitti, S Sánchez (2017): *Magnetotactic Bacteria Powered Biohybrids Target E. coli Biofilms*. - ACS Nano, 11, 10, p. 9968-9978.

M Widdrat, E Schneck, V Reichel, J Baumgartner, L Bertinetti, W Habraken, **K Bente**, P Fratzl, D Faivre (2017): *Combined Experimental and Theoretical Approach to the Kinetics of Magnetite Crystal Growth from Primary Particles*. - J. Phys. Chem. Lett., 8, 6, p. 1132-1136.

K Bente, M Weber, M Graeser, T F Sattel, M Erbe, T M Buzug (2015): *Electronic Field Free Line Rotation and Relaxation Deconvolution in Magnetic Particle Imaging*. - IEEE Transactions on Medical Imaging, 34, 2, p. 644-651.

M Graeser, **K Bente**, A Neumann, T M Buzug (2015): *Trajectory dependent particle response for anisotropic mono domain particles in magnetic particle imaging*. - Journal of Physics D: Applied Physics, 49, 4, p. 045007.

M Graeser, **K Bente**, T M Buzug (2015): *Dynamic single-domain particle model for magnetite particles with combined crystalline and shape anisotropy*. - Journal of Physics D: Applied Physics, 48, 27, p. 275001.

M Weber, **K Bente**, M Graeser, T F Sattel, T M Buzug (2015): *Implementation of a High-Precision 2-D Receiving Coil Set for Magnetic Particle Imaging*. - IEEE Transactions on Magnetics, 51, 2, p. 1-4.

M Weber, **K Bente**, A v Gladiss, M Graeser, T M Buzug (2015): *Sequences for real-time magnetic particle imaging*. - Current Directions in Biomedical Engineering, 1, 1, p. 353 - 355.

Ausgewählte Konferenz-Artikel

M Gaal, D Hufschlaeger, **K Bente** (2019): *Advances in air-coupled ultrasonic transducers for non-destructive testing*. - International Congress on Ultrasonics 2019.

K Bente, J Oeff, M Gaal (2019): *Advances in air-coupled ultrasonic transducers for non-destructive testing*. - Deutsche Jahrestagung für Akustik 2019.

K Bente, M Weber, A v Gladiss, C Debbeler, K Lüdtke-Buzug, T M Buzug (2015): *Sensitivity study for an MPI FFL scanner*. - 5th International Workshop on Magnetic Particle Imaging.

M Graeser, M Ahlborg, A Behrends, **K Bente**, G Bringout, C Debbeler, A v Gladiß, K Gräfe, C Kaethner S Kaufmann, K Lüdtke-Buzug, H Medimagh, J Stelzner, M Weber, T M Buzug (2015): *A Device for Measuring the Trajectory Dependent Magnetic Particle Performance for MPI*. - 5th International Workshop on Magnetic Particle Imaging.

G Bringout, J Stelzner, M Ahlborg, A Behrends, **K Bente**, C Debbeler, A v Gladiß, K Gräfe, M Graeser, C Kaethner, S Kaufmann, K Lüdtke-Buzug, H Medimagh, W Tenner, M Weber, T M Buzug (2015): *Concept of a rabbit-sized FFL-scanner*. - 5th International Workshop on Magnetic Particle Imaging.

M Weber, **K Bente**, M Graeser, T F Sattel, T M Buzug (2014): *Technical Aspects of a Two Dimensional Rotatable Field Free Line Imager for Magnetic Particle Imaging*. - 4th International Workshop on Magnetic Particle Imaging.

M Weber, **K Bente**, T M Buzug (2014): *Insight in Scanner Construction for a Dynamical Field Free Line for Magnetic Particle Imaging*. - Deutsche Gesellschaft für Biomedizinische Technik Jahrestagung.

K Bente, G Bringout, C Debbeler, K Gräfe, M Graeser, M Grüttner, C Kaethner, W Tenner, M Weber, H Wojtczyk, T M Buzug, K Lüdtke-Buzug (2013): *Magnetic Particle Imaging - eine Einführung in die Instrumentierung und Bildrekonstruktion*. - 44. Jahrestagung der Deutschen Gesellschaft für Medizinische Physik.

M Weber, M Erbe, **K Bente**, T F Sattel, T M Buzug (2013): *Power loss optimized field free line generation for magnetic particle imaging*. - 3rd International Workshop on Magnetic Particle Imaging.