

Dr. Claudia Lüdecke-Beyer

Alumni

Publications

Elschner T, Lüdecke C, Kalten D, Roth M, Löffler B, Jandt KD, Heinze T (2015) Zwitterionic cellulose carbamate with regioselective substitution pattern: a coating material possessing antimicrobial activity *Macromol Biosci* 16(4), 522-534.

[Details](#)



Lüdecke C, Jandt KD, Siegismund D, Kujau MJ, Zang E, Rettenmayr M, Bossert J, Roth M (2014) Reproducible biofilm cultivation of chemostat-grown *Escherichia coli* and investigation of bacterial adhesion on biomaterials using a non-constant-depth film fermenter. *PLOS One* 9(1), e84837.

[Details](#)



Lüdecke C, Bossert J, Roth M, Jandt KD (2013) Physical vapor deposited titanium thin films for biomedical applications: Reproducibility of nanoscale surface roughness and microbial adhesion properties. *Applied Surface Science* 280, 578-589.

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Lüdecke C, Reiche M, Eusterhues K, Nietzsche S, Küsel K (2010) Acid-tolerant microaerophilic Fe(II)-oxidizing bacteria promote Fe(III)-accumulation in a fen. *Environ Microbiol* 12(10), 2814-2825.

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