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Enzymatic synthesis of furan-based polymers

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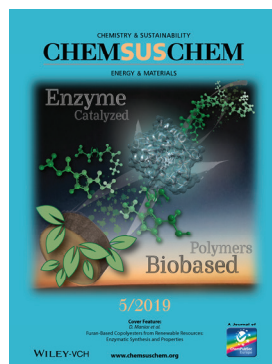
List of publications

Y. Jiang, **D. Maniar**, A. J. J. Woortman, G. O. R. Alberda van Ekenstein, K. Loos[‡], Enzymatic polymerization of furan-2,5-dicarboxylic acid-based furanic-aliphatic polyamides as sustainable alternatives to polyphthalamides, *Biomacromolecules* **2015**, 16, 3674-3685.

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D. Maniar, V. M. Ospina, A. J. J. Woortman, J. van Dijken, K. Loos[‡], On the way to greener furanic-aliphatic poly(ester amide)s: enzymatic polymerization in ionic liquid, *submitted*.

M. Golkaram, L. Boetje, J. Dong, L. E. Aguilar Suarez, C. Fodor, **D. Maniar**, E. van Ruymbeke, S. Faraji, G. Portale, K. Loos‡, Supramolecular mimic for bottlebrush polymers in bulk, *accepted*.

P. Skoczinski, M. K. Espinoza Cangahuala, **D. Maniar**, S. Beuck, R. Pires, K. Loos‡, Enzymatic transesterification of urethane-bond containing ester, *submitted*.

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P. Skoczinski, M. K. Espinoza Cangahuala, **D. Maniar**, R. W. Albach, N. Bittner, K. Loos‡, Biocatalytic synthesis of furan based oligomer diols with enhanced end-group fidelity, *submitted*.

D. Maniar, I. K. Adi, A. J. J. Woortman, J. van Dijken, C. Fodor‡, K. Loos‡, Enzymatic synthesis and characterization of muconic acid based unsaturated polymer systems, *in preparation*.

D. Maniar, I. K. Adi, A. J. J. Woortman, J. van Dijken, C. Fodor‡, K. Loos‡, Unsaturated muconic acid-based polyesters: the effect of double bonds on the enzymatic polymerization, *in preparation*.

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