

Publications

Fricke J, Sherwood AM, Halberstadt AL, Kargbo RB, Hoffmeister D (2021) Chemoenzymatic synthesis of 5-methylpsilocybin: A tryptamine with potential psychedelic activity. *J Nat Prod* 84(4), 1403-1408.

[Details](#)



Gressler M, Löhr NA, Schäfer T, Lawrinowitz S, Seibold PS, Hoffmeister D (2021) Mind the mushroom: natural product biosynthetic genes and enzymes of Basidiomycota. *Nat Prod Rep* 38(4), 702-722. (Review)

[Details](#)



Herkersdorf S, Krüger T, Wein P, Löffler S, Fontaine T, Gressler M, Hertweck C, Brakhage AA, Hoffmeister D (2021) Bacterial cell wall-degrading enzymes induce basidiomycete natural product biosynthesis. *Environ Microbiol* 23(8), 4360-4371.

[Details](#)



Lenz C, Dörner S, Sherwood A, Hoffmeister D (2021) Structure elucidation and spectroscopic analysis of chromophores produced by oxidative psilocin dimerization. *Chemistry* 27(47), 12166-12171.

[Details](#)



Lenz C, Sherwood A, Kargbo R, Hoffmeister D (2021) Taking different roads: L-Tryptophan as the origin of *Psilocybe* natural products. *ChemPlusChem* 86(1), 28-35. (Review)

[Details](#)



Mohr JF, Baldeweg F, Deicke M, Morales-Reyes CF, Hoffmeister D, Wichard T (2021) Frankobactin metallophores produced by nitrogen-fixing *Frankia* actinobacteria function in toxic metal sequestration. *J Nat Prod* 84(4), 1216-1225.

[Details](#)



[Publication list as PDF](#)