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Themenfelder

Tropfenbasierte Mikrofluidik

InfectoOptics-VersaDrop

Publikationen

Pourmasoumi F,* Hengoju S,* Beck K, Stephan P, Klopfleisch L, Hoernke M, Rosenbaum MA, Kries H (2023) Analysing megasynthetase mutants at high throughput using droplet microfluidics. *Chembiochem* 24(24), e202300680.

Details



Weber T, Hengoju S, Samimi A, Roth M, Tovar M, Rosenbaum MA (2022) Recovery and isolation of individual microfluidic picoliter droplets by triggered deposition. *Sens Actuators B Chem* 369, 132289.

Details



Hengoju S, Shvydkiv O, Tovar M, Roth M, Rosenbaum MA (2021) Advantages of optical fibers for facile and enhanced detection in droplet microfluidics. *Biosens Bioelectron* 200, 113910. (Review)

Details



PAPER

Kästner B, Hengoju S, Svensson CM, Figge MT, Rosenbaum MA (2021) Mit Tropfenmikrofluidik zu Hochgeschwindigkeits-Biotechnologie. *BIOspektrum* 27(3), 260-262. (Review)

Details

PAPER

Hengoju S, Wohlfeil S, Munser AS, Shvydkiv O, Boehme S, Beckert E, Tovar M, Roth M, Rosenbaum MA (2020) Optofluidic detection setup for multi-parametric analysis of microbiological samples in droplets. *Biomicrofluidics* 14(2), 024109.

Details

PubMed
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PAPER

Tovar M, Hengoju S, Weber T, Mahler L, Choudhary M, Becker T, Roth M (2019) One sensor for multiple colors: Fluorescence analysis of microdroplets in microbiological screenings by frequency-division multiplexing. *Anal Chem* 91(4), 3055-3061.

Details

PubMed

Tovar M, Weber T, Hengoju S, Lovera A, Munser AS, Shvydkiv O, Roth M (2018) 3D-glass molds for facile production of complex droplet microfluidic chips. *Biomicrofluidics* 12(2), 024115.

Details



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