

Lab on a Chip

Devices and applications at the micro- and nanoscale
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IN THIS ISSUE

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Cover

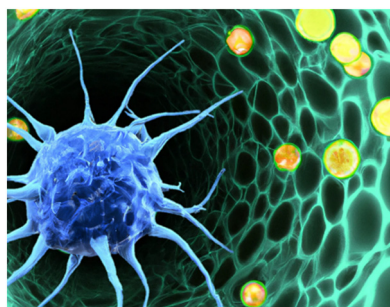
See Yu-Chih Chen *et al.*,
pp. 4619–4635.
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PAPERS

4619

Microfluidic single-cell migration chip reveals insights into the impact of extracellular matrices on cell movement

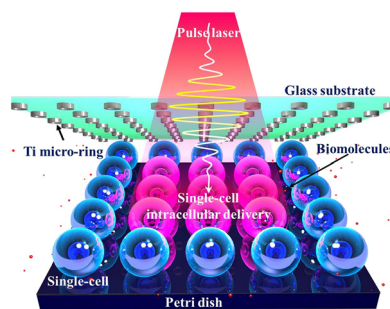
Mengli Zhou, Yushu Ma, Edwin C. Rock, Chun-Cheng Chiang, Kathryn E. Luker, Gary D. Luker and Yu-Chih Chen*



4636

Ultrathin SU-8 membrane for highly efficient tunable cell patterning and massively parallel large biomolecular delivery

Pallavi Shinde, Ashwini Shinde, Srabani Kar, Kavitha Illath, Moeto Nagai, Fan-Gang Tseng and Tuhin Subhra Santra*



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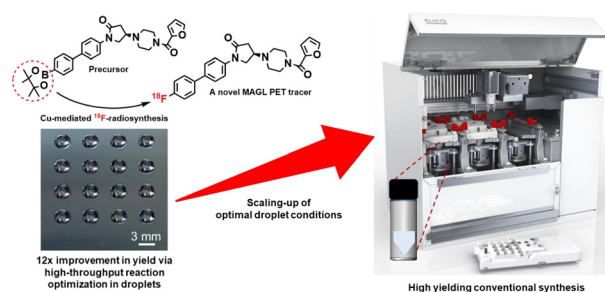


PAPERS

4652

Proof-of-concept optimization of a copper-mediated ^{18}F -radiosynthesis of a novel MAGL PET tracer on a high-throughput microdroplet platform and its macroscale translation

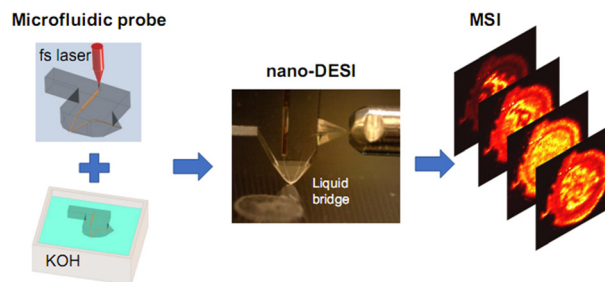
Yingqing Lu,* Yingfang He, Roger Schibli, Linjing Mu and R. Michael van Dam*



4664

A monolithic microfluidic probe for ambient mass spectrometry imaging of biological tissues

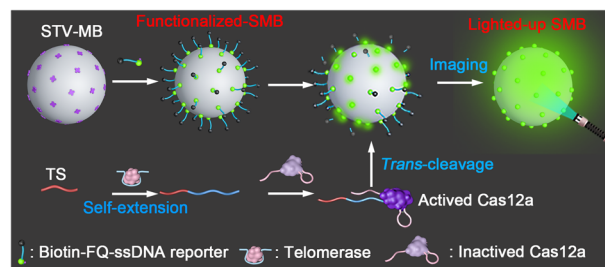
Li-Xue Jiang, Matthias Polack, Xiangtang Li, Manxi Yang, Detlev Belder* and Julia Laskin*



4674

Amplification-free detection of telomerase activity at the single-cell level via Cas12a-lighting-up single microbeads (Cas12a-LSMBs)

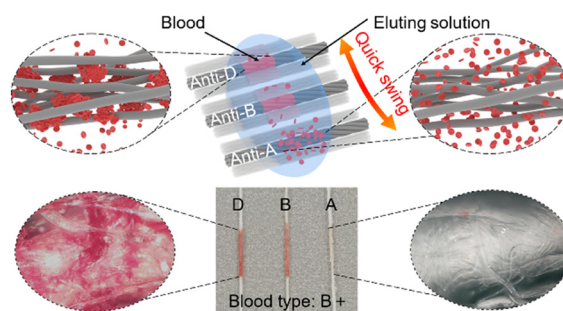
Honghong Wang, Shuhui Wang, Hui Wang,* Fu Tang, Desheng Chen, Yuanwen Liang and Zhengping Li*



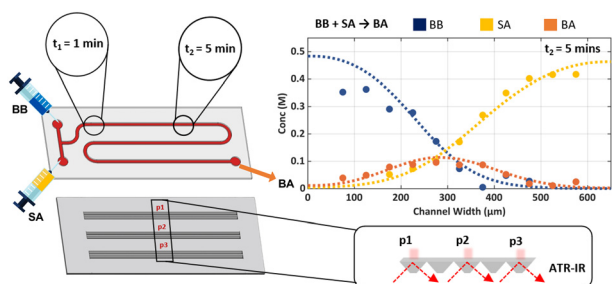
4680

Rapid and easily identifiable blood typing on microfluidic cotton thread-based analytical devices

Shuqiang Min, Tonghuan Zhan, Yang Lu, Deng Pan, Xiaoqing Chen* and Bing Xu*



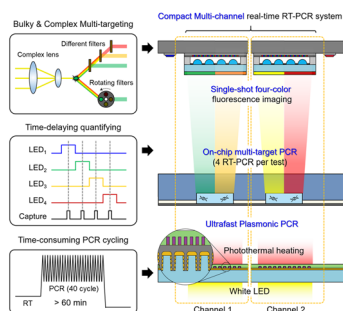
4690



In situ spatiotemporal characterization and analysis of chemical reactions using an ATR-integrated microfluidic reactor

K. Srivastava, N. D. Boyle, G. T. Flaman, B. Ramaswami, A. van den Berg, W. van der Stam, I. J. Burgess* and M. Odijk*

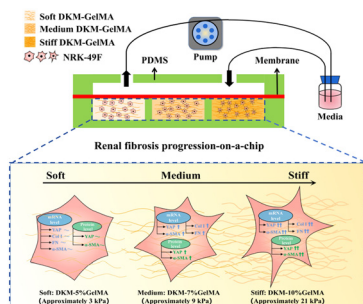
4701



Single-shot multi-channel plasmonic real-time polymerase chain reaction for multi-target point-of-care testing

Byoung-Hoon Kang, Kyung-Won Jang, Eun-Sil Yu, Hyejeong Jeong and Ki-Hun Jeong*

4708



A biomimetic renal fibrosis progression model on-chip evaluates anti-fibrotic effects longitudinally in a dynamic fibrogenic niche

Di Wu, Jianguo Wu, Hui Liu, Shengyu Shi, Liangwen Wang, Yixiao Huang, Xiaorui Yu, Zhuoyue Lei, Tanliang Ouyang, Jia Shen, Guohua Wu* and Shuqi Wang*

