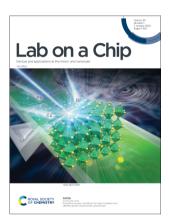
# Lab on a Chip

# Devices and applications at the micro- and nanoscale rsc.li/loc

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Cover See Guorui Zhu et al., pp. 7-15. Image reproduced by permission of Guorui Zhu from Lab Chip, 2025, 25, 7.

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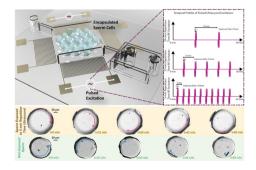
# Dual-drive acoustic micromixer for rapid nucleation and ultrafast growth of perovskite nanoparticles

Zhifang Liu, Yuwen Lu, Wei Tan and Guorui Zhu\*



# Repeated pulses of ultrasound maintain sperm motility

Ali Vafaie, Sahar Shahali, Mohammad Reza Raveshi, Reza Nosrati\* and Adrian Neild\*





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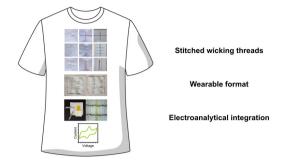
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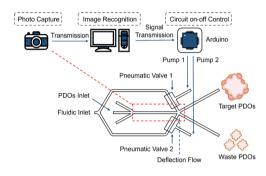
#### Stitched textile-based microfluidics for wearable devices

Martin Hanze, Andrew Piper\* and Mahiar Max Hamedi\*



# An integrated microfluidic device for sorting of tumor organoids using image recognition

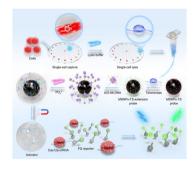
Xingyang Yan, Deng Tan, Lei Yu, Danyu Li, Zhenghao Wang, Weiren Huang and Hongkai Wu\*



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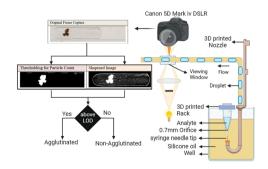
## Detecting telomerase activity at the single-cell level using a CRISPR-Cas12a-based chip

Yateng Jiang, Yanping Wang, Wen Luo, Xiaowei Luan, Zhibin Zhang, Yongchun Pan, Bangshun He,\* Yanfeng Gao\* and Yujun Song\*



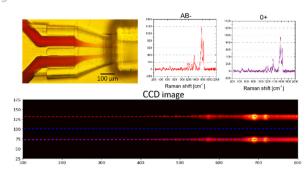
**Automated Dynamic Inlet Microfluidics (ADIM)** system: cost-effective biaxial nanoliter droplet on demand generation platform and its application in agglutination assays

Abdul Basit Zia\* and Ian G. Foulds



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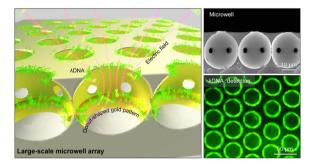
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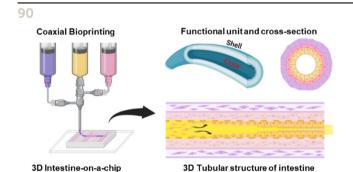
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Heeju Song, Yeonjin Hong and Hyungseok Lee\*