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Cover See Shinji Sakai, Satoshi Fujita et al., pp. 3971-3978. Image reproduced by permission of Shinji Sakai from Lab Chip, 2025, 25, 3971.



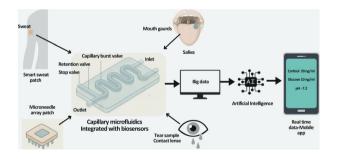
Inside cover See Ye Wang et al., pp. 3979-3992. Image reproduced by permission of Ye Wang from Lab Chip, 2025, 25, 3979.

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Digital PCR: from early developments to its future application in clinics

Amandine Trouchet, Guillaume Gines, Leonor Benhaim and Valerie Taly*





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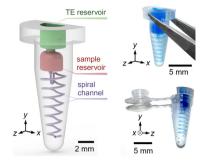
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A three-dimensional microfluidic device embedded within a thermal cycler tube for electrokinetic DNA extraction

Qi Jiang, Xuehao Zang, Yilu Wang, Alexandre S. Avaro, Diego A. Huyke and Juan G. Santiago*

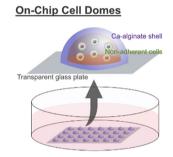


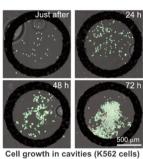
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Development of on-chip cell domes using Caalginate hydrogel shells for non-adherent cell studies

Shinji Sakai,* Hiroyuki Fujiwara, Ryotaro Kazama, Riki Toita and Satoshi Fujita*

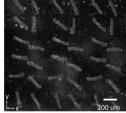


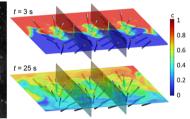


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Tongsheng Wang, Ishu Aggarwal, Erik Steur, Tess Homan, Patrick R. Onck, Jaap M. J. den Toonder and Ye Wang*





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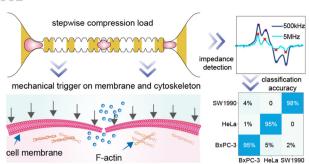
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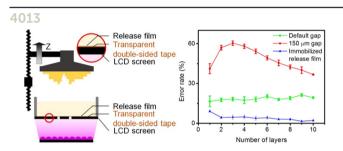
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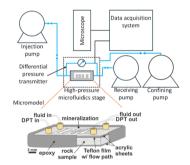
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Enhancing microscale printing accuracy in LCDbased 3D printing using an immobilized release film

Chang Tian,* Chaojie Shao, Tiantian Li, Wenya Tang, Peigi Wu, Qian Xu, Wei Li* and Fen Zhang*

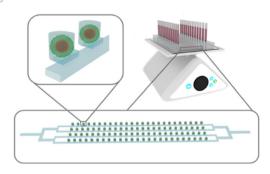
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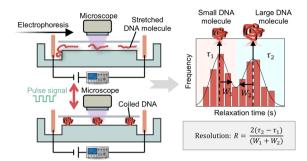
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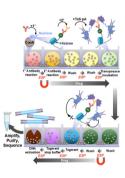
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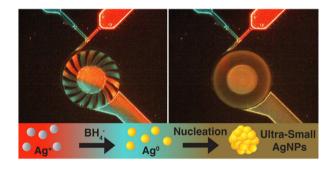
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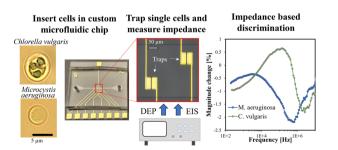
High speed microturbine mixer for kinetically controlled synthesis

Avery E. England,* Scott D. Collins, Christopher L. Emmerling, Michael D. Mason and Rosemary L. Smith*



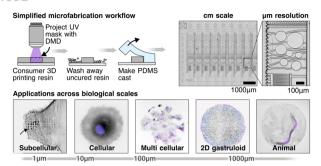
Harnessing intrinsic biophysical cellular properties for identification of algae and cyanobacteria via impedance spectroscopy

Ruben Van den Eeckhoudt,* Naras R. H. Rao, Koenraad Muylaert, Filip Tavernier, Michael Kraft and Irene Taurino



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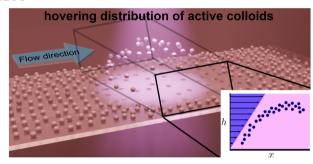
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Teach your microscope how to print: low-cost and rapid-iteration microfabrication for biology

Lucien Hinderling,* Remo Hadorn, Moritz Kwasny, Joël Frei, Benjamin Grädel, Sacha Psalmon, Yannick Blum, Rémi Berthoz, Alex E. Landolt, Benjamin D. Towbin, Daniel Riveline and Olivier Pertz*

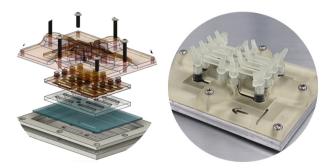
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Statistical distribution of elevation from a planar interface of phoretically active microparticles

Fabian Rohne, Daniela Vasquez Muñoz, Isabel Meier, Nino Lomadze, Svetlana Santer and Marek Bekir*

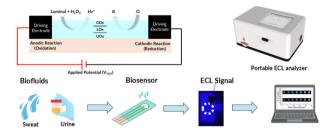
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Fabrication of a bioreactor combining soft lithography and vat photopolymerisation to study tissues and multicellular organisms under dynamic culture conditions

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Fully automated standalone microfluidic integrated electrochemiluminescence platform for sample-toanswer detection of diabetes complication markers

Abhishek Kumar and Sanket Goel*