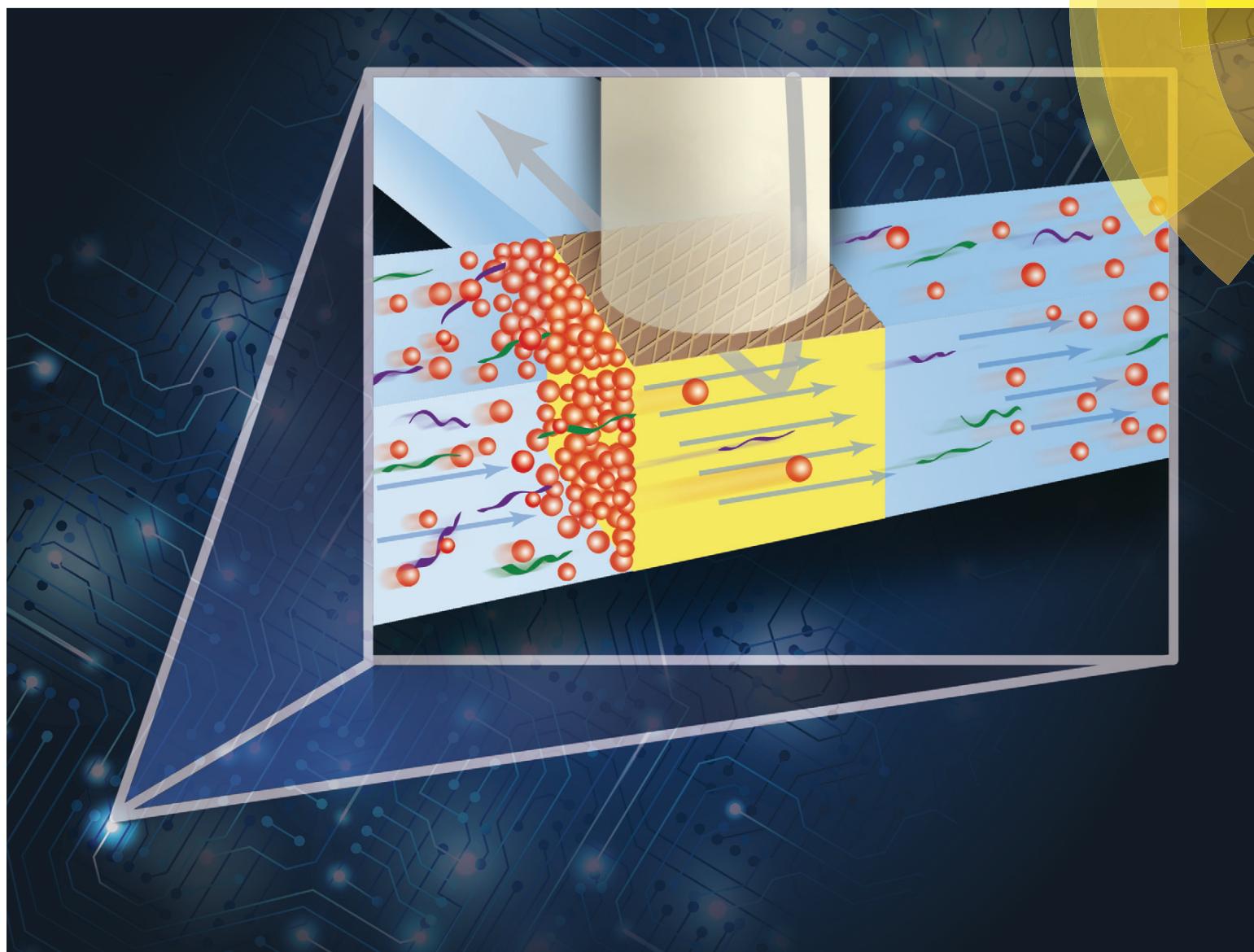


# Lab on a Chip

Miniaturisation for chemistry, physics, biology, materials science and bioengineering

[www.rsc.org/loc](http://www.rsc.org/loc)



ISSN 1473-0197



## PAPER

Hsueh-Chia Chang *et al.*

High-flux ionic diodes, ionic transistors and ionic amplifiers based on external ion concentration polarization by an ion exchange membrane: a new scalable ionic circuit platform

**175** YEARS