

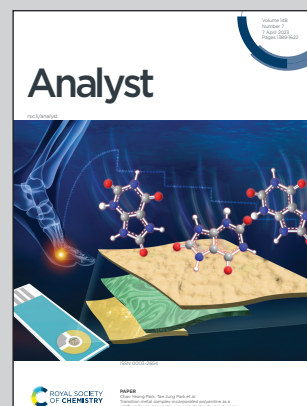
Showcasing research from Professor Mao's laboratory, State Key Laboratory of Transducer Technology, Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, Shanghai, China.

Combining sensors and actuators with electrowetting-on-dielectric (EWOD): advanced digital microfluidic systems for biomedical applications

Typical forms of a combination of Electrowetting-on-dielectric (EWOD) technology with sensing and other microfluidic manipulation techniques are reviewed from a technical perspective, including the purposes, significance, and biomedical applications of different types of combined microfluidic systems. The image conceptualizes the integration of optical and temperature-control sub-systems on an EWOD chip, as well as the interfacing between EWOD and channel-based microfluidics.

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### As featured in:



See Hongju Mao *et al.*, *Analyst*, 2023, 148, 1399.