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Microfluidics generally refers to the study of fluidic systems with critical operational lengths in the 1–100 μm range, while nanofluidics is defined as the study of fluidic systems with critical operational length scales at 1–100 nm [56, 67]. These devices and systems are characterized by high surface-area-to-volume (SA/V) ratios.

Theory, fabrication and applications of microfluidic and ...

Microfluidic and nanofluidic device are often used to manipulate the motion of a liquid droplet in biomedical analysis or biochemical operations [1–8].

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Field Is Mainly Driven By Technological Applications Where The

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