

ELECTRO-CAPILLARITY

Meaning: Electro-capillarity is the phenomenon where an electric field influences the movement and behavior of liquids in confined spaces, such as in microfluidic devices and inkjet printing.

1. Electro-capillarity plays a crucial role in the behavior of liquids in microfluidic devices.
2. Researchers are exploring electro-capillarity to enhance the efficiency of inkjet printing technologies.
3. The phenomenon of electro-capillarity can significantly affect the stability of emulsions in food science.
4. By manipulating electro-capillarity, scientists aim to create more effective drug delivery systems.
5. Understanding electro-capillarity is essential for developing advanced materials in the field of nanotechnology.

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