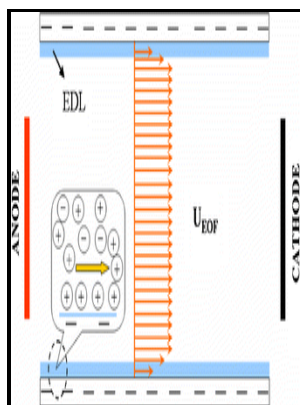


Electrokinetic phenomena - principles and applications in analytical chemistry and microchip technology

Marcel Dekker - Electrokinetic phenomena : principles and applications in analytical chemistry and microchip technology (Book, 2004) [sdk.mavlink.io]



Description: -

- Capillary liquid chromatography.

Capillary electrophoresis.

Electrokinetics -- Industrial applications.

Electrokinetics. Electrokinetic phenomena - principles and applications in analytical chemistry and microchip technology

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Notes: Includes bibliographical references and index.

This edition was published in 2004



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Tags: #Principles #and #applications #of #nanofluidic #transport

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Theoretical Study of Electroosmotic Flow With Replacement Solutions.

Applications of electrokinetic phenomena in materials science

Microfluidics and Nanofluidics 2008, 5 6 , 837-849.

Mass transport in electrokinetic microflows with the wall reaction affecting the hydrodynamics

Microfluidics and Nanofluidics 2006, 2 2 , 154-170. Chemically induced migration of particles across fluid streamlines.

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This chapter critically reviews all the aspects of by researchers with a well established track record in NMR measurements in very small volumes typical in cap- electrophoresis and chromatography.

Basic Microfluidic Concepts

Numerical analysis of an electrokinetic double-focusing injection technique for microchip CE. The commercial modeling package used in this research has been shown to be reasonably accurate, both from comparisons with experimentally obtained images and from comparison with a different numerical modeling approach.

Micro

Practical fields of interest of EHD are the common , and EHD cooling systems.

ELECTROKINETIC PHENOMENA PRINCIPLES AND APPLICATIONS IN ANALYTICAL CHEMISTRY AND MICROCHIP TECHNOLOG

Bos R, Van der Mei HC, Busscher HJ 1999 Physico-chemistry of initial microbial adhesive interactions—its mechanisms and methods for study. However, the Onsager relations remain valid under conditions where elementary theory no longer suffices.

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