Goran Goranovic - DTU Orbit (19/02/2018)
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Dynamical Systems

Publications:

A novel electro-osmotic pump design for nonconducting liquids: theoretical analysis of flow rate–pressure characteristics and stability
Publication: Research - peer-review › Journal article – Annual report year: 2005

Electrohydrodynamic stability of two-phase microflows
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

The clogging pressure of bubbles in hydrophilic microchannel contractions
Publication: Research - peer-review › Journal article – Annual report year: 2004

Electrohydrodynamic aspects of two-fluid microfluidic systems: Theory and simulation
Publication: Research › Ph.D. thesis – Annual report year: 2003

Electroosmotic pumping of nonconducting liquids by viscous drag from a secondary conducting liquid
Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

Integrating advanced functionality in a microfabricated high-throughput fluorescent-activated cell sorter
Lab on a Chip. 3, 1, p. 22-27
Publication: Research - peer-review › Journal article – Annual report year: 2003

Quasi-static motion of bubbles in microchannel contractions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

Simulations in Microfluidics
Publication: Research - peer-review › Book chapter – Annual report year: 2003

Theoretical analysis of the low-voltage cascade electro-osmotic pump
Publication: Research - peer-review › Journal article – Annual report year: 2003

Dynamics of bubbles in microchannels
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002
Electroosmotically driven two-liquid viscous pump for nonconducting liquids
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

PIV measurements in a microfluidic 3D-sheathing structure with three-dimensional flow behaviour
Publication: Research - peer-review › Journal article – Annual report year: 2002

The low-voltage cascade EOF pump: comparing theory with published data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

Characterization of Flows in Laser-machined Polymeric Microchannels
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001

Characterization of Flows in Laser-machined Polymeric Microchannels
Publication: Research - peer-review › Journal article – Annual report year: 2001

Computer modelling as a design tool for microfluidic structures
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001

Micro PIV measurements in micro cell sorters and mixing structures with three-dimensional flow behavior
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001

Projects:

Interplay between simulation, modelling and fabrication for miniaturized total analysis system
Goranovic, G., Bruus, H., Michelsen, J., Bohr, T., Ajdari, A. & Eggers, J.
01/05/2000 → 12/01/2004
Project: PhD