

Microfluidic Analytical Techniques

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BACKGROUND: It has been shown that low concentrations of high-density... 13th November, 2009
Department of Endocrinology, Beijing Tongren Hospital, Capital Medical- Clin Chem Lab Med. 2009;47(9):1067-72. ([DOI Direct Link](#))
- [Quantification of small non-coding RNAs allows an accurate comparison of miRNA expression profiles.](#)
MicroRNAs (miRNAs) are highly conserved approximately 22-mer RNA... 11th November, 2009
Gene Expression and Microarrays Laboratory, Bambino Gesù Children's- J Biomed Biotechnol. 2009;2009:659028. Epub 2009 Sep 1. ([DOI Direct Link](#))
- [Micro and nano technologies in Bioanalysis. Preface.](#)
We performed macroscopic experiments on the motion of a sphere through an... 10th November, 2009
- Methods Mol Biol. 2009;544:v-vii.
- [High speed droplet-based delivery system for passive pumping in microfluidic devices.](#)
A novel microfluidic system has been developed that uses the phenomenon of... 29th October, 2009
Materials Science Program, University of Wisconsin-Madison, WI, USA.- J Vis Exp. 2009 Sep 2;(31). pii: 1329. doi: 10.3791/1329. ([DOI Direct Link](#))
- [Differential effect of three-repeat and four-repeat tau on mitochondrial axonal transport.](#)
Tau protein is present in six different splice forms in the human brain... 23rd October, 2009
MassGeneral Institute for Neurodegenerative Disease, Massachusetts General- J Neurochem. 2009 Oct;111(2):417-27. Epub 2009 Aug 3. ([DOI Direct Link](#))
- [Dynamic analysis of bone marrow mesenchymal stem cells migrating to pancreatic islets using coculture microfluidic chips: An accelerated migrating rate and better survival of pancreatic islets were revealed.](#)
OBJECTIVES: A coculture microfluidic chip had been fabricated to... 21st October, 2009
Department of Endocrinology, Qilu Hospital, Shandong University, China.- Neuro Endocrinol Lett. 2009;30(2):204-8.
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Airborne microbes such as fungi, bacteria, and viruses are a threat to... 20th October, 2009
Laboratory of Biochip Technology, School of Mechanical Engineering, Yonsei- Environ Sci Technol. 2009 Aug 1;43(15):5857-63.
- [A hybrid chip based on aerodynamics and electrostatics for the size-dependent classification of ultrafine and nano particles.](#)

*Conventional virtual impactors experience a large pressure drop when they...*17th October, 2009
Pattern Technology Group 1, System LSI Division, Samsung Electronics Co.,- Lab Chip. 2009 Sep
21;9(18):2722-8. Epub 2009 Jul 1. ([DOI Direct Link](#))

- [A perfusion-based micro opto-fluidic system \(PMOFS\) for continuously in-situ immune sensing.](#)
*This paper proposes a novel perfusion-based micro opto-fluidic system...*17th October, 2009
Institute of NanoEngineering and MicroSystems (NEMS), National Tsing Hua- Lab Chip. 2009 Sep
21;9(18):2673-82. Epub 2009 Jun 10. ([DOI Direct Link](#))
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*A novel picolitre incubator based microfluidic system for consistent...*17th October, 2009
Department of Biomedical Engineering, University of California at Irvine,- Lab Chip. 2009 Sep
21;9(18):2638-43. Epub 2009 Jun 24. ([DOI Direct Link](#))
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*Loading drops with discrete objects, such as particles and cells, is often...*17th October, 2009
School of Engineering and Applied Sciences/Department of Physics, Harvard- Lab Chip. 2009 Sep
21;9(18):2628-31. Epub 2009 Jul 28. ([DOI Direct Link](#))
- [Directional locking and the role of irreversible interactions in deterministic hydrodynamics separations in microfluidic devices.](#)
*We performed macroscopic experiments on the motion of a sphere through an...*14th October, 2009
Department of Chemical and Biomolecular Engineering, Johns Hopkins- Phys Rev Lett. 2009 Aug
14;103(7):078301. Epub 2009 Aug 11.
- [A rapid and reliable means of assessing hepatic steatosis in vivo via electrical bioimpedance.](#)
*BACKGROUND: In liver transplantation, macrovesicular steatosis is a major...*29th September, 2009
Department of Surgery, Liver Transplant Unit, Hospital Clinic, University- Transplantation. 2009 Sep
15;88(5):716-22. ([DOI Direct Link](#))
- [A Golgi-on-a-chip for glycan synthesis.](#)
*One of the primary functions of the Golgi apparatus is the assembly of...*17th September, 2009
Department of Cellular and Molecular Medicine, Glycobiology Research and- Nat Chem Biol. 2009
Sep;5(9):612-3. ([DOI Direct Link](#))
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*Here we propose a new scheme for bonding poly(dimethylsiloxane) (PDMS),...*16th September, 2009
Gachon BioNano Research Institute, Division of BioNano Technology and- Langmuir. 2009 Apr
9;25(6):3861-6.

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