University	Title	Application	URL
California Institute of Technology	The crossover from two dimensions to one dimension in granular electronic materials	Nanotechnology	www.its.caltech.edu/ ~heathgrp/Papers/ Paperfiles/ nnano200981.pdf
Cornell University	Cavity-enhanced on -chip absorption spectroscopy using microring resonators	Microfluidics	nanophoton- ics.ece.cornell.edu/ Publications/Cavity- enhanced%20on-chip% 20absorption% 20spectroscopy% 20using%20microring% 20resonators.pdf
Drexel University	Preparation of Electrospun Chitosan-PEO Fibers	Electrospinning	idea.library.drexel.edu/ bit- stream/1860/1542/1/2007 005028.pdf
Georgia Institute of Tech	Electro-kinetically Enhanced Nano-metric Material Removal	Microfluidics	etd.gatech.edu/theses/ submitted/etd-08192008- 133035/unrestricted/ Thesis_final_version% 5B2%5D.pdf
Harvard University	Biocompatible surfacants for water -in-flurocarbon emulsions	Microfluidics	peple.seas.harvard.edu/ ~rowat/publications/ holtze.labchip.2008.pdf
Harvard University	Nonmuscle myosin heavy chain IIA mediates integrin LFA-1 de-adhesion during T lympho-	Biology	www.idi.harvard.edu/ uploads/investigators/ Morin_2008Suppl_18475 .pdf

University	Title	Application	URL
Lund University	Buffer medium exchange in continuous cell and particle streams using ultrasonic standing wave focusing	Microfluidics	www.elmat.lth.se/ fileadmin/user_upload/ _temp_/09_MicroChimAc t_Augustsson.pdf
Massachusetts Institute of Technology	Development of Opposed-Nozzle Fixture for Measur- ing the Extensional Properties of Low Viscosity Liquids	Microfluidics	web.mit.edu/soulages/ www/MIT/ Exten- sional_Rheometry_files/ ICR08_Poster.pdf
Massachusetts Institute of Technology	Investigating the Stability of Viscoelastic Stagnation	Microfluidics	web.mit.edu/nnf/ publications/GHM131.pdf
Massachusetts Institute of Technology	A rodent model for the study of invariant visual object recognition	Neuroscience	web.mit.edu/dicarlo-lab/ pubs/zoccolan%20et% 20al%202009.pdf
National Institute of Health	A transparent cell-culture microchamber with a variably controlled concentration gradient generator and flow field Rectifier	Microfluidics	www.ncbi.nlm.nih.gov/ pmc/articles/ PMC2719264/

University	Title	Application	URL
North Carolina State University	Electrospinning Chitosan-Based Nan- ofibers for Biomedical Applications	Electrospinning	repository.lib.ncsu.edu/ ir/ bitstream/1840.16/13/1/ etd.pdf
North Carolina State University	Fabrication and Characterization of Novel Single and Bicomponent Electrospun Nanofibrous Mats	Electrospinning	repository.lib.ncsu.edu/ ir/ bitstream/1840.16/785/1/ etd.pdf
North Carolina State University	Electrospun Nanofibrous Poly(ε- Caprolactone) (PCL) Scaffolds for Liver Tissue Engineering	Electrospinning	repository.lib.ncsu.edu/ ir/ bit- stream/1840.16/2269/1/ etd.pdf
North Carolina State University	Vascular Tissue Engineering Scaffolds from Elastometric Biodegradable Poly (L-lactide-co-ε- caprolactone) (PLCL) via Melt Spinning and Electrospinning	Electrospinning	repository.lib.ncsu.edu/ ir/ bit- stream/1840.16/2584/1/ etd.pdf
North Carolina State University	Core-Sheath Differentially Biodegradable Nanofiber Structures for Tissue Engineering	Electrospinning	repository.lib.ncsu.edu/ ir/ bit- stream/1840.16/5676/1/ etd.pdf

University	Title	Application	URL
North Carolina State University	Characterization of Structure and Tensile Properties of Electrospun Web	Electrospinning	repository.lib.ncsu.edu/ ir/ bit- stream/1840.16/1485/1/ etd.pdf
North Carolina State University	Mechanical and Physical Properties of Electrospun Nanofibers	Electrospinning	repository.lib.ncsu.edu/ ir/ bitstream/1840.16/179/1/ etd.pdf
North Carolina State University	De-Bottlenecking the Electrospinning Process Using Superparamagnetic Particles	Electrospinning	repository.lib.ncsu.edu/ ir/ bitstream/1840.16/529/1/ etd.pdf
North Carolina State University	Hyaluronic Acid-based Nanofibers via Electrospinning	Electrospinning	repository.lib.ncsu.edu/ ir/ bitstream/1840.16/484/1/ etd.pdf
North Carolina State University	Remotely powered distributed microfluidic pumps and mixers based on miniature Diodes	Microfluidics	crystal.che.ncsu.edu/ pdfs/ LabChip_Diodes_08.pdf
North Carolina State University	New Electrokinetic Techniquies for Material Manipulation on the Microscale	Microfluidics	repository.lib.ncsu.edu/ ir/ bit- stream/1840.16/4558/1/ etd.pdf

University	Title	Application	URL
North Carolina State University	Microdroplet Engineering of Microbioassay and Synthesis of Functional Structured Porous Particles	Microfluidics	repository.lib.ncsu.edu/ir/ bitstream/1840.16/5541/1/ etd.pdf
North Carolina State University	Kinetics Studies of Dehaloperoxidase- Hemoglobin From Amphitrite Ornata	Physics	repository.lib.ncsu.edu/ir/ bitstream/1840.16/107/1/ etd.pdf
University of Arizona	Coiling, Entrainment, and Hydrodynamic Coupling of Decelerated Fluid Jets	Microfluidics	www.physics.arizona.edu/ ~kessler/ coiling_jets_prl.pdf
University of California Berkeley	Endothelialized Microvasculature Based on a Biodegradeable Elastomer	Tissue Engineering	biomechan- ics.berkeley.edu/assets/ papers/ TissueEng2005.pdf
University of Hong Kong & Chinese Academy of Sciences	Microwave plasma treatment of polymer surface for irreversible sealing of microfluidic devices	Microfluidics	www.rsc.org/delivery/ _ArticleLinking/ DisplayHTMLArticlefor- free.cfm? Journal- Code=LC&Year=2005&Ma nuscriptID=b504271b&Iss =10

University	Title	Application	URL
University of Illinois- Urbana Campus	The Fe(PDP)- catalyzed aliphatic C-H oxidation: a slow addition protocol	Chemistry	www.scs.uiuc.edu/white/ pubs/pub13.pdf
University of Massachusetts	Cavitation rheology for soft materials	Chemistry	www.pse.umass.edu/ gtew/documents/Tew- SoftMatter-2007-763.pdf
University of Michigan	The "Spin-Grower": A Machine for Rapid Layer-by-Layer Assembly of Nanostructured Materials	Mechanical Engineering	deepblue.lib.umich.edu/ bit- stream/2027.42/58685/1/ me450w08pro- ject17_report.pdf
University of Texas	A Continuous-Flow Polymerase Chain Reaction Microship With Regional Velocity Control	Microfluidics	www.me.utexas.edu/ ~scchen/ pdf/2006JMEMS.pdf
University of Wisconsin- Madison	Microencapsulation of Cells	Microfluidics	home- pages.cae.wisc.edu/ ~bme200/ microencapsula- tion_fall05/reports/ BME_400_Microencapsu lation_Final_Report.pdf