Publications:

- **Food Spoilage and Safety Predictor (FSSP) software**
  Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

- **Module-Based Synthesis of Digital Microfluidic Biochips with Droplet-Aware Operation Execution**
  Publication: Research - peer-review › Journal article – Annual report year: 2013

- **Droplet-Aware Module-Based Synthesis for Fault-Tolerant Digital Microfluidic Biochips**
  Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

- **Routing-based synthesis of digital microfluidic biochips**
  Publication: Research - peer-review › Journal article – Annual report year: 2012

- **Recent Research and Emerging Challenges in the System-Level Design of Digital Microfluidic Biochips**
  Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

- **Synthesis of Digital Microfluidic Biochips with Reconfigurable Operation Execution**
  Publication: Research › Ph.D. thesis – Annual report year: 2011

- **Routing-based Synthesis of Digital Microfluidic Biochips**
  Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

- **Synthesis of biochemical applications on digital microfluidic biochips with operation variability**
  Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

- **Tabu Search-based Synthesis of Digital Microfluidic Biochips with Dynamically Reconfigurable Non-rectangular Devices**
  Publication: Research - peer-review › Journal article – Annual report year: 2010

- **Tabu Search-Based Synthesis of Dynamically Reconfigurable Digital Microfluidic Biochips**
  Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

  Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

- **Synthesis of Reliable Digital Microfluidic Biochips using Monte Carlo Simulation**
  Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Projects:

- **A Framework for Modeling, Simulation ans Design Space Exploration of Digital Microfluidic Biochips**
  Project: PhD