

JOURNAL

- Elmas S, Ambroz F, Chugh D, Nann Thomas (2016). Microfluidic Chip for the Photocatalytic Production of Active Chlorine, *Langmuir*, 32 (19), pp 4952–4958
- Chugh D and Kaler, KVIS (2009). Integrated Liquid and Droplet Dielectrophoresis for Biochemical Assays. *Journal of Microfluidics and Nanofluidics*, 8, 445.
- Chugh D and Kaler KVIS, (2008). Leveraging Liquid Dielectrophoresis for Microfluidic Application. *Biomedical Materials* 3, pp. 034009
- Pakshirajan K, Chugh D and Saravanan P, (2008). Feasibility of *m*-cresol degradation using an indigenous mixed microbial culture with glucose as a co-substrate. *J. of Clean Tech. and Environ. Policy* 10, pp. 303-308
- Wijngaart W, Chugh D, Man E, Melin J and Stemme G, (2007). A Low-Temperature Thermopneumatic Actuation Principle for Gas Bubble Microvalves. *J. of MEMS* 16, pp. 765.
- Halder K, Mathur V, Chugh D, Verma A and Chowdhury S, (2005). Quadruplex-Duplex competition in the Nuclease Hypersensitive Element of Human *c-myc* Promoter: C to T mutation in C-rich strand enhances Duplex Association. *BBRC* 327, page 49-56.

CONFERENCE

- Wohlgenannt U, Chugh D, Kriel F H, Nicolau C, Cabrera C, Semperebon C, Brinkmann M and Priest C, (2014) Minimizing gas phase fouling of electrodes using capillarity in surface microstructures. 18th International Conference on Miniaturized Systems for Chemistry and Life Sciences (microTAS 2014), San Antonio, USA.
- Prakash R, Chugh D and Kaler KVIS, (2010). Quantitative Biochemical assay on a surface microfluidic device. 3rd International Conference on Biomedical Electronics and Devices (*Biodevices* 2010), Valencia, Spain.
- Prakash R, Chugh D and Kaler KVIS, (2009). Quantitative DNA hybridization assay on a multiplexed surface microfluidic device. ASME 2nd Micro/Nanoscale Heat Transfer International Conference, Shanghai, China.
- Prakash R, Chugh D and Kaler KVIS, (2009). Multiplexed Surface Microfluidic Liquid and Droplet DEP Manipulations for HTS, 13th International Conference on Miniaturized Systems for Chemistry and Life Sciences (*microTAS 2009*), Jeju, Korea.
- Chugh D and Kaler KVIS, (2008). Integrated Liquid and Droplet DEP for Lab On a Chip Applications. 12th International Conference on Miniaturized Systems for Chemistry and Life Sciences (*microTAS 2008*), San Diego, USA.
- Wijngaart W, Chugh D, Man E, Melin J and Stemme G, (2006). A low Temperature thermopneumatic gas bubble valve. 19th IEEE International Conference on Micro Electro Mechanical Systems (*MEMS 2006*), Istanbul, Turkey.