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Papers in Journals

1. Firoz Hemmati, Esmaeil Najafi Aghdam,A low-power CT 2nd order Delta Sigma modulator using a new design methodology for biomedical applications,AEU-International Journal of Electronics and Communications,2021/07/07.
2. Seyed Ali Mousavi Shaegh, Adel Pourmand, Mahboubeh Nabavinia, Huseyin Avci, Ali Tamayol, Pooria Mostafalu, Habib Badri Ghavifekr, Esmaeil Najafi Aghdam, Mehmet Remzi Dokmeci, Ali Khademhosseini, Yu Shrike Zhang,Rapid prototyping of whole-thermoplastic microfluidics with built-in microvalves using laser ablation and thermal fusion bonding,Sensors and Actuators B: Chemical,2018/2/1.
3. Adel Pourmand, Seyed Ali Mousavi Shaegh, Habib Badri Ghavifekr, Esmaiel Najafi Aghdam, Mehmet Remzi Dokmeci, Ali Khademhosseini, Yu Shrike Zhang,Fabrication of whole-thermoplastic normally closed microvalve, micro check valve, and micropump,Sensors and Actuators B: Chemical,2018/06/01.
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5. Hadi Mirzajani, Cheng Cheng, Jayne Wu, Jiangang Chen, Shigotoshi Eda, Esmaeil Najafi Aghdam, Habib Badri Ghavifekr,A highly sensitive and specific capacitive aptasensor for rapid and label-free trace analysis of Bisphenol A (BPA) in canned foods,Biosensors and Bioelectronics,2017/15/03.
6. Hadi Mirzajani, Afshin Kashani Ilkhechi, Parviz Zolfaghari, Mostafa Azadbakht, Esmaeil Najafi Aghdam, Habib Badri Ghavifekr,Power efficient, low loss and ultra-high isolation RF MEMS switch dedicated for antenna switch applications,Microelectronics Journal,2017/11/1.
7. Hadi Mirzajani, Cheng Cheng, Jayne Wu, Chris S Ivanoff, Esmaeil Najafi Aghdam, Habib Badri Ghavifekr,Design and characterization of a passive, disposable wireless AC-electroosmotic lab-on-a-film for particle and fluid manipulation,Sensors and Actuators B: Chemical,2016/11/01.