

Mahyar Nasabi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Lateral trapezoid microfluidic platform for investigating mechanotransduction of cells to spatial shear stress gradients. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 963-975.	7.8	16
2	Mechanically tolerant fluidic split ring resonators. <i>Smart Materials and Structures</i> , 2016, 25, 075023.	3.5	17
3	Analysing calcium signalling of cells under high shear flows using discontinuous dielectrophoresis. <i>Scientific Reports</i> , 2015, 5, 11973.	3.3	18
4	Controlled Rotation and Vibration of Patterned Cell Clusters Using Dielectrophoresis. <i>Analytical Chemistry</i> , 2015, 87, 2389-2395.	6.5	24
5	An assessment of the dynamic stability of microorganisms on patterned surfaces in relation to biofouling control. <i>Biofouling</i> , 2014, 30, 695-707.	2.2	28
6	A hydrodynamic microchip for formation of continuous cell chains. <i>Applied Physics Letters</i> , 2014, 104, 203701.	3.3	3
7	Design, characterization and application of a novel mono-layer pin-microvalve for microfluidic devices. <i>RSC Advances</i> , 2014, 4, 24394-24398.	3.6	1
8	A novel Surface Tension Assisted Lithography (STAL) technique for microfabrication of 3D structures. <i>Journal of Materials Chemistry C</i> , 2013, 1, 401-405.	5.5	4
9	Modifying Dielectrophoretic Response of Nonviable Yeast Cells by Ionic Surfactant Treatment. <i>Analytical Chemistry</i> , 2013, 85, 6364-6371.	6.5	19
10	Dielectrophoresis with 3D microelectrodes fabricated by surface tension assisted lithography. <i>Electrophoresis</i> , 2013, 34, 3150-3154.	2.4	11
11	A novel approach to determine the efficacy of patterned surfaces for biofouling control in relation to its microfluidic environment. <i>Biofouling</i> , 2013, 29, 697-713.	2.2	25
12	An Investigation on Platelet Transport during Thrombus Formation at Micro-Scale Stenosis. <i>PLoS ONE</i> , 2013, 8, e74123.	2.5	36
13	Elastomer-Based Pneumatic Switch for Radio Frequency Microdevices. <i>Journal of Microelectromechanical Systems</i> , 2012, 21, 1410-1417.	2.5	14
14	Microstamp patterning of protein arrays. , 2008, , .		0
15	Characterizing EMONA TIMS-301 Modeling System for digital modulations. , 2008, , .		1