Javier Atencia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11011057/publications.pdf

Version: 2024-02-01

14	1,285	933447	1058476
papers	citations	10	14
		h-index	g-index

14	14	14	1964
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlled microfluidic interfaces. Nature, 2005, 437, 648-655.	27.8	856
2	The microfluidic palette: A diffusive gradient generator with spatio-temporal control. Lab on A Chip, 2009, 9, 2707.	6.0	121
3	A robust diffusion-based gradient generator for dynamic cell assays. Lab on A Chip, 2012, 12, 309-316.	6.0	60
4	Magnetically-driven biomimetic micro pumping using vortices. Lab on A Chip, 2004, 4, 598.	6.0	47
5	Magnetic connectors for microfluidic applications. Lab on A Chip, 2010, 10, 246-249.	6.0	43
6	Quantitative analysis of chemotaxis towards toluene by Pseudomonas putida in a convectionâ€free microfluidic device. Biotechnology and Bioengineering, 2015, 112, 896-904.	3.3	35
7	Steady flow generation in microcirculatory systems. Lab on A Chip, 2006, 6, 567.	6.0	31
8	Pneumatic valves in folded 2D and 3D fluidic devices made from plastic films and tapes. Lab on A Chip, 2014, 14, 1665-1668.	6.0	28
9	A vacuum manifold for rapid world-to-chip connectivity of complex PDMS microdevices. Lab on A Chip, 2009, 9, 1298.	6.0	26
10	Using pattern homogenization of binary grayscale masks to fabricate microfluidic structures with 3D topography. Lab on A Chip, 2007, 7, 1567.	6.0	24
11	Capillary inserts in microcirculatory systems. Lab on A Chip, 2006, 6, 575.	6.0	7
12	Lab-on-Chip Clinorotation System for Live-Cell Microscopy Under Simulated Microgravity. Cellular and Molecular Bioengineering, 2014, 7, 165-170.	2.1	4
13	Minimization of Cogging Force in Flat Permanent Magnet Linear Motors. IEEJ Transactions on Industry Applications, 2005, 125, 456-460.	0.2	2
14	Research Spotlight: Measurement and validation of cell-based assays with microfluidics at the National Institute of Standards and Technology. Bioanalysis, 2012, 4, 1849-1854.	1.5	1