

Zhicheng Long

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2111380/publications.pdf>

Version: 2024-02-01

14
papers

790
citations

840776

11
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamentals of magnet-actuated droplet manipulation on an open hydrophobic surface. Lab on A Chip, 2009, 9, 1567.	6.0	178
2	Microfluidic chemostat for measuring single cell dynamics in bacteria. Lab on A Chip, 2013, 13, 947.	6.0	134
3	Short-time movement of E. coli chromosomal loci depends on coordinate and subcellular localization. Nature Communications, 2013, 4, 3003.	12.8	113
4	Integration of nanoporous membranes for sample filtration/preconcentration in microchip electrophoresis. Electrophoresis, 2006, 27, 4927-4934.	2.4	77
5	Persistent super-diffusive motion of Escherichia coli chromosomal loci. Nature Communications, 2014, 5, 3854.	12.8	74
6	Integrated multilayer microfluidic device with a nanoporous membrane interconnect for online coupling of solid-phase extraction to microchip electrophoresis. Lab on A Chip, 2007, 7, 1819.	6.0	62
7	Parallel analysis of biomolecules on a microfabricated capillary array chip. Electrophoresis, 2006, 27, 1084-1092.	2.4	47
8	Isotachophoresis preconcentration integrated microfluidic chip for highly sensitive genotyping of the hepatitis B virus. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 844, 32-38.	2.3	36
9	Double-Cross Hydrostatic Pressure Sample Injection for Chip CE: A Variable Sample Plug Volume and Minimum Number of Electrodes. Analytical Chemistry, 2006, 78, 6074-6080.	6.5	29
10	Measuring bacterial adaptation dynamics at the single-cell level using a microfluidic chemostat and time-lapse fluorescence microscopy. Analyst, The, 2014, 139, 5254-5262.	3.5	18
11	Adjustment in tumbling rates improves bacterial chemotaxis on obstacle-laden terrains. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11770-11775.	7.1	12
12	Recent advances of microfluidics in Mainland China. Biotechnology Journal, 2006, 1, 1225-1234.	3.5	8
13	A 3D-printed portable device for field deployment of living biosensors. MethodsX, 2019, 6, 1331-1335.	1.6	2
14	Short-Time Dynamics E. Coli Chromosomal Loci Reveal a Dependence on Coordinate and Indicate the Presence of a Sporadic but Ubiquitous Super-Diffusive Motion. Biophysical Journal, 2014, 106, 78a.	0.5	0