

Zhicheng Long

List of Publications by Year in descending order

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