

Tushar D Rane

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,276
citations

840776

11
h-index

1199594

12
g-index

20
all docs

20
docs citations

20
times ranked

1747
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmable microfluidic genotyping of plant DNA samples for marker-assisted selection. <i>Microsystems and Nanoengineering</i> , 2018, 4, .	7.0	11
2	Droplet Digital Enzyme-Linked Oligonucleotide Hybridization Assay for Absolute RNA Quantification. <i>Scientific Reports</i> , 2015, 5, 13795.	3.3	28
3	Enhancing Throughput of Combinatorial Droplet Devices via Droplet Bifurcation, Parallelized Droplet Fusion, and Parallelized Detection. <i>Micromachines</i> , 2015, 6, 1490-1504.	2.9	6
4	A Barcode-Free Combinatorial Screening Platform for Matrix Metalloproteinase Screening. <i>Analytical Chemistry</i> , 2015, 87, 1950-1956.	6.5	33
5	Digital droplet ELOHA for nucleic acid molecule counting and analysis. , 2015, , .		0
6	Microfluidic continuous flow digital loop-mediated isothermal amplification (LAMP). <i>Lab on A Chip</i> , 2015, 15, 776-782.	6.0	122
7	Parallelization of fission and fusion operations for high throughput generation of combinatorial droplets. , 2014, , .		0
8	A microfluidic droplet platform for multiplexed single nucleotide polymorphism analysis of an array plant genomic DNA samples. , 2013, , .		1
9	A Serial Sample Loading System: Interfacing Multiwell Plates with Microfluidic Devices. <i>Journal of the Association for Laboratory Automation</i> , 2012, 17, 370-377.	2.8	23
10	Microfluidic Combinatorial Screening Platform. , 2012, , .		0
11	Microfluidic platform for on-demand generation of spatially indexed combinatorial droplets. <i>Lab on A Chip</i> , 2012, 12, 3055.	6.0	53
12	Droplet microfluidics for amplification-free genetic detection of single cells. <i>Lab on A Chip</i> , 2012, 12, 3341.	6.0	81
13	An Integrated Platform for Single Molecule Free Solution Hydrodynamic Separation Using Yoctomoles of DNA and Picoliter Samples. , 2012, , .		0
14	Single-Molecule Analysis Enables Free Solution Hydrodynamic Separation Using Yoctomole Levels of DNA. <i>Journal of the American Chemical Society</i> , 2011, 133, 6898-6901.	13.7	33
15	High-throughput single-cell pathogen detection on a droplet microfluidic platform. , 2011, , .		0
16	Counting single molecules in sub-nanolitre droplets. <i>Lab on A Chip</i> , 2010, 10, 161-164.	6.0	52
17	Motor Adaptation as a Process of Reoptimization. <i>Journal of Neuroscience</i> , 2008, 28, 2883-2891.	3.6	283
18	Neural Correlates of Reach Errors. <i>Journal of Neuroscience</i> , 2005, 25, 9919-9931.	3.6	550

#	ARTICLE	IF	CITATIONS
19	Modeling and simulation of cantilever biosensor (for MI) based on molecular electrostatic interactions. , 2005, 5718, 255.		0
20	Modeling the Recrystallization Process Using Inverse Cellular Automata and Genetic Algorithms: Studies Using Differential Evolution. Journal of Phase Equilibria and Diffusion, 2005, 26, 311-321.	1.4	0