Tushar D Rane

List of Publications by Year
in descending order

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	Neural Correlates of Reach Errors. Journal of Neuroscience, 2005, 25, 9919-9931.	3.6	550
2	Motor Adaptation as a Process of Reoptimization. Journal of Neuroscience, 2008, 28, 2883-2891.	3.6	283
3	Microfluidic continuous flow digital loop-mediated isothermal amplification (LAMP). Lab on A Chip, 2015, 15, 776-782.	6.0	122
4	Droplet microfluidics for amplification-free genetic detection of single cells. Lab on A Chip, 2012, 12, 3341.	6.0	81
5	Microfluidic platform for on-demand generation of spatially indexed combinatorial droplets. Lab on A Chip, 2012, 12, 3055.	6.0	53
6	Counting single molecules in sub-nanolitre droplets. Lab on A Chip, 2010, 10, 161-164.	6.0	52
7	Single-Molecule Analysis Enables Free Solution Hydrodynamic Separation Using Yoctomole Levels of DNA. Journal of the American Chemical Society, 2011, 133, 6898-6901.	13.7	33
8	A Barcode-Free Combinatorial Screening Platform for Matrix Metalloproteinase Screening. Analytical Chemistry, 2015, 87, 1950-1956.	6.5	33
9	Droplet Digital Enzyme-Linked Oligonucleotide Hybridization Assay for Absolute RNA Quantification. Scientific Reports, 2015, 5, 13795.	3.3	28
10	A Serial Sample Loading System: Interfacing Multiwell Plates with Microfluidic Devices. Journal of the Association for Laboratory Automation, 2012, 17, 370-377.	2.8	23
11	Programmable microfluidic genotyping of plant DNA samples for marker-assisted selection. Microsystems and Nanoengineering, 2018, 4, .	7.0	11
12	Enhancing Throughput of Combinatorial Droplet Devices via Droplet Bifurcation, Parallelized Droplet Fusion, and Parallelized Detection. Micromachines, 2015, 6, 1490-1504.	2.9	6
13	A microfluidic droplet platform for multiplexed single nucleotide polymorphism analysis of an array plant genomic DNA samples. , 2013, , .		1
14	Modeling and simulation of cantilever biosensor (for MI) based on molecular electrostatic interactions. , 2005, 5718, 255.		0
15	High-throughput single-cell pathogen detection on a droplet microfluidic platform. , 2011, , .		0
16	Microfluidic Combinatorial Screening Platform. , 2012, , .		0
17	Parallelization offissionand fusion+ operations for high throughput generation of combinatorial droplets. , 2014, , .		0
18	Digital droplet ELOHA for nucleic acid molecule counting and analysis. , 2015, , .		0

#	Article	IF	Citations
19	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
20	An Integrated Platform for Single Molecule Free Solution Hydrodynamic Separation Using Yoctomoles of DNA and Picoliter Samples. , 2012, , .		0