

Vishal Tandon

List of Publications by Year in descending order

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18
papers

758
citations

858243

12
h-index

993246

17
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19
docs citations

19
times ranked

1242
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput organ-on-chip platform with integrated programmable fluid flow and real-time sensing for complex tissue models in drug development workflows. <i>Lab on A Chip</i> , 2021, 21, 1454-1474.	3.1	107
2	High-throughput continuous-flow microfluidic electroporation of mRNA into primary human T cells for applications in cellular therapy manufacturing. <i>Scientific Reports</i> , 2020, 10, 18045.	1.6	37
3	Acoustophoretic rapid media exchange and continuous-flow electrotransfection of primary human T cells for applications in automated cellular therapy manufacturing. <i>Lab on A Chip</i> , 2019, 19, 2978-2992.	3.1	20
4	A Microfluidic Device to Enhance Viral Transduction Efficiency During Manufacture of Engineered Cellular Therapies. <i>Scientific Reports</i> , 2019, 9, 15101.	1.6	11
5	Intracochlear drug delivery: Fluorescent tracer evaluation for quantification of distribution in the cochlear partition. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 126, 49-58.	1.9	3
6	A fluorescence-based imaging approach to pharmacokinetic analysis of intracochlear drug delivery. <i>Hearing Research</i> , 2018, 368, 41-48.	0.9	6
7	Microfabricated reciprocating micropump for intracochlear drug delivery with integrated drug/fluid storage and electronically controlled dosing. <i>Lab on A Chip</i> , 2016, 16, 829-846.	3.1	56
8	Microfabricated infuse-withdraw micropump component for an integrated inner-ear drug-delivery platform. <i>Biomedical Microdevices</i> , 2015, 17, 37.	1.4	27
9	An inner-ear drug delivery platform with fully integrated control, actuation, and fluidics hardware. , 2014, , .		0
10	A microfluidic reciprocating intracochlear drug delivery system with reservoir and active dose control. <i>Lab on A Chip</i> , 2014, 14, 710-721.	3.1	32
11	Generation of tissue constructs for cardiovascular regenerative medicine: From cell procurement to scaffold design. <i>Biotechnology Advances</i> , 2013, 31, 722-735.	6.0	41
12	Microfluidic Diagnostics. <i>Methods in Molecular Biology</i> , 2013, , .	0.4	23
13	Fundamentals of Microfluidics for High School Students with No Prior Knowledge of Fluid Mechanics. <i>Methods in Molecular Biology</i> , 2013, 949, 41-54.	0.4	0
14	Ambient pressure effects on the electrokinetic potential of Zeonorâ€“water interfaces. <i>Journal of Colloid and Interface Science</i> , 2011, 361, 381-387.	5.0	3
15	Transient Î¶â€“potential measurements in hydrophobic, TOPAS microfluidic substrates. <i>Electrophoresis</i> , 2009, 30, 2656-2667.	1.3	18
16	Zeta potential and electroosmotic mobility in microfluidic devices fabricated from hydrophobic polymers: 1. The origins of charge. <i>Electrophoresis</i> , 2008, 29, 1092-1101.	1.3	170
17	Zeta potential and electroosmotic mobility in microfluidic devices fabricated from hydrophobic polymers: 2. Slip and interfacial water structure. <i>Electrophoresis</i> , 2008, 29, 1102-1114.	1.3	84
18	Multidetector computed tomography coronary artery plaque predictors of stress-induced myocardial ischemia by SPECT. <i>Atherosclerosis</i> , 2008, 197, 700-709.	0.4	114