Manjunath Hegde

List of Publications by Year
in descending order

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19	1,594	567281 15	794594 19
papers	citations	h-index	g-index

20	20	20	2511
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential Effects of Epinephrine, Norepinephrine, and Indole on Escherichia coli O157:H7 Chemotaxis, Colonization, and Gene Expression. Infection and Immunity, 2007, 75, 4597-4607.	2.2	300
2	Longâ€term maintenance of a microfluidic 3D human liver sinusoid. Biotechnology and Bioengineering, 2016, 113, 241-246.	3.3	164
3	Synthetic quorum-sensing circuit to control consortial biofilm formation and dispersal in a microfluidic device. Nature Communications, 2012, 3, 613.	12.8	152
4	InÂvitro platforms for evaluating liver toxicity. Experimental Biology and Medicine, 2014, 239, 1180-1191.	2.4	145
5	Chemotaxis to the Quorum-Sensing Signal AI-2 Requires the Tsr Chemoreceptor and the Periplasmic LsrB AI-2-Binding Protein. Journal of Bacteriology, 2011, 193, 768-773.	2.2	118
6	Indole cell signaling occurs primarily at low temperatures in Escherichia coli. ISME Journal, 2008, 2, 1007-1023.	9.8	111
7	Co-culture of epithelial cells and bacteria for investigating hostâ€“pathogen interactions. Lab on A Chip, 2010, 10, 43-50.	6.0	108
8	Dynamic interplay of flow and collagen stabilizes primary hepatocytes culture in a microfluidic platform. Lab on A Chip, 2014, 14, 2033-2039.	6.0	88
9	Long-Term Coculture Strategies for Primary Hepatocytes and Liver Sinusoidal Endothelial Cells. Tissue Engineering - Part C: Methods, 2015, 21, 413-422.	2.1	84
10	The neuroendocrine hormone norepinephrine increases Pseudomonas aeruginosa PA14 virulence through the las quorum-sensing pathway. Applied Microbiology and Biotechnology, 2009, 84, 763-776.	3.6	65
11	Microengineered cell and tissue systems for drug screening and toxicology applications: Evolution of in-vitro liver technologies. Technology, 2015, 03, 1-26.	1.4	63
12	A microfluidic device for high throughput bacterial biofilm studies. Lab on A Chip, 2012, 12, 1157.	6.0	60
13	Towards a three-dimensional microfluidic liver platform for predicting drug efficacy and toxicity in humans. Stem Cell Research and Therapy, 2013, 4, S16.	5.5	54
14	Asymmetric confinement for defining outgrowth directionality. Lab on A Chip, 2019, 19, 1484-1489.	6.0	25
15	A novel ultrathin collagen nanolayer assembly for 3-D microtissue engineering: Layer-by-layer collagen deposition for long-term stable microfluidic hepatocyte culture. Technology, 2014, 02, 67-74.	1.4	22
16	Interkingdom adenosine signal reduces Pseudomonas aeruginosa pathogenicity. Microbial Biotechnology, 2012, 5, 560-572.	4.2	12
17	Microfluidic Co-culture of Epithelial Cells and Bacteria for Investigating Soluble Signal-mediated Interactions. Journal of Visualized Experiments, 2010, , .	0.3	11
18	Isolation rearing significantly perturbs brain metabolism in the thalamus and hippocampus. Neuroscience, 2012, 223, 457-464.	2.3	6

#	Article	IF	Citations
19	Serial integration of Dean-structured sample cores with linear inertial focussing for enhanced particle and cell sorting. Biomicrofluidics, 2018, 12, 044104.	2.4	6