

Benjamin Lin

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

731
citations

687220

13
h-index

940416

16
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20
all docs

20
docs citations

20
times ranked

1203
citing authors

#	ARTICLE	IF	CITATIONS
1	A microfluidics-based turning assay reveals complex growth cone responses to integrated gradients of substrate-bound ECM molecules and diffusible guidance cues. <i>Lab on A Chip</i> , 2008, 8, 227.	3.1	138
2	Chemically inducible diffusion trap at cilia reveals molecular sieve-like barrier. <i>Nature Chemical Biology</i> , 2013, 9, 437-443.	3.9	117
3	Diverse Sensitivity Thresholds in Dynamic Signaling Responses by Social Amoebae. <i>Science Signaling</i> , 2012, 5, ra17.	1.6	82
4	Interplay between chemotaxis and contact inhibition of locomotion determines exploratory cell migration. <i>Nature Communications</i> , 2015, 6, 6619.	5.8	72
5	Synthetic spatially graded Rac activation drives cell polarization and movement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3668-77.	3.3	60
6	Pre-Exposure of Human Adipose Mesenchymal Stem Cells to Soluble Factors Enhances Their Homing to Brain Cancer. <i>Stem Cells Translational Medicine</i> , 2015, 4, 239-251.	1.6	57
7	Modelling Cell Polarization Driven by Synthetic Spatially Graded Rac Activation. <i>PLoS Computational Biology</i> , 2012, 8, e1002366.	1.5	46
8	Spatial Manipulation with Microfluidics. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 39.	2.0	31
9	PHD3-mediated prolyl hydroxylation of nonmuscle actin impairs polymerization and cell motility. <i>Molecular Biology of the Cell</i> , 2014, 25, 2788-2796.	0.9	27
10	<i>In vivo</i> optochemical control of cell contractility at single-cell resolution. <i>EMBO Reports</i> , 2019, 20, e47755.	2.0	22
11	Microfluidic technologies for studying synthetic circuits. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 307-317.	2.8	17
12	Alteration of acidic lipids in human sera during the course of pregnancy: characteristic increase in the concentration of cholesterol sulfate. <i>Biomedical Applications</i> , 1997, 704, 99-104.	1.7	16
13	Toward total synthesis of cell function: Reconstituting cell dynamics with synthetic biology. <i>Science Signaling</i> , 2016, 9, re1.	1.6	16
14	Visualizing molecular diffusion through passive permeability barriers in cells: conventional and novel approaches. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 663-671.	2.8	13
15	Collectively stabilizing and orienting posterior migratory forces disperses cell clusters <i>in vivo</i> . <i>Nature Communications</i> , 2020, 11, 4477.	5.8	13
16	Complex effects of kinase localization revealed by compartment-specific regulation of protein kinase A activity. <i>ELife</i> , 2022, 11, .	2.8	3
17	Editorial: Establishing and Maintaining Cell Polarity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 722003.	1.8	0