

Adrian C Shieh

List of Publications by Year in descending order

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16
papers

1,048
citations

687363

13
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

1505
citing authors

#	ARTICLE	IF	CITATIONS
1	Malateâ€“aspartate shuttle promotes <scp>l</scp>â€“lactate oxidation in mitochondria. Journal of Cellular Physiology, 2020, 235, 2569-2581.	4.1	17
2	A Course-Based Undergraduate Research Experience in Biofluid Mechanics. Journal of Biomechanical Engineering, 2019, 141, .	1.3	0
3	Interstitial Fluid Flow Increases Hepatocellular Carcinoma Cell Invasion through CXCR4/CXCL12 and MEK/ERK Signaling. PLoS ONE, 2015, 10, e0142337.	2.5	37
4	EMT Transition Alters Interstitial Fluid Flowâ€“Induced Signaling in <i>ERBB2</i>-Positive Breast Cancer Cells. Molecular Cancer Research, 2015, 13, 755-764.	3.4	15
5	Interstitial fluid flow in cancer: implications for disease progression and treatment. Cancer Management and Research, 2014, 6, 317.	1.9	169
6	Three-dimensional Cell Culture Model for Measuring the Effects of Interstitial Fluid Flow on Tumor Cell Invasion. Journal of Visualized Experiments, 2012, , .	0.3	10
7	Î±-Catenin Localization and Sarcomere Self-Organization on N-Cadherin Adhesive Patterns Are Myocyte Contractility Driven. PLoS ONE, 2012, 7, e47592.	2.5	13
8	Regulation of tumor invasion by interstitial fluid flow. Physical Biology, 2011, 8, 015012.	1.8	96
9	Biomechanical Forces Shape the Tumor Microenvironment. Annals of Biomedical Engineering, 2011, 39, 1379-1389.	2.5	144
10	Tumor Cell Invasion Is Promoted by Interstitial Flow-Induced Matrix Priming by Stromal Fibroblasts. Cancer Research, 2011, 71, 790-800.	0.9	151
11	A multichamber fluidic device for 3D cultures under interstitial flow with live imaging: Development, characterization, and applications. Biotechnology and Bioengineering, 2010, 105, 982-991.	3.3	50
12	Biomechanics of single zonal chondrocytes. Journal of Biomechanics, 2006, 39, 1595-1602.	2.1	74
13	Strain-dependent Recovery Behavior of Single Chondrocytes. Biomechanics and Modeling in Mechanobiology, 2006, 5, 172-179.	2.8	26
14	Principles of Cell Mechanics for Cartilage Tissue Engineering. Annals of Biomedical Engineering, 2003, 31, 1-11.	2.5	96
15	Creep Indentation of Single Cells. Journal of Biomechanical Engineering, 2003, 125, 334-341.	1.3	128
16	Biomechanics of Single Chondrocytes and Osteoarthritis. Critical Reviews in Biomedical Engineering, 2002, 30, 307-344.	0.9	22