

# Adrian C Shieh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2188372/publications.pdf>

Version: 2024-02-01

16  
papers

1,048  
citations

686830

13  
h-index

996533

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1505  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interstitial fluid flow in cancer: implications for disease progression and treatment. <i>Cancer Management and Research</i> , 2014, 6, 317.	0.9	169
2	Tumor Cell Invasion Is Promoted by Interstitial Flow-Induced Matrix Priming by Stromal Fibroblasts. <i>Cancer Research</i> , 2011, 71, 790-800.	0.4	151
3	Biomechanical Forces Shape the Tumor Microenvironment. <i>Annals of Biomedical Engineering</i> , 2011, 39, 1379-1389.	1.3	144
4	Creep Indentation of Single Cells. <i>Journal of Biomechanical Engineering</i> , 2003, 125, 334-341.	0.6	128
5	Principles of Cell Mechanics for Cartilage Tissue Engineering. <i>Annals of Biomedical Engineering</i> , 2003, 31, 1-11.	1.3	96
6	Regulation of tumor invasion by interstitial fluid flow. <i>Physical Biology</i> , 2011, 8, 015012.	0.8	96
7	Biomechanics of single zonal chondrocytes. <i>Journal of Biomechanics</i> , 2006, 39, 1595-1602.	0.9	74
8	A multichamber fluidic device for 3D cultures under interstitial flow with live imaging: Development, characterization, and applications. <i>Biotechnology and Bioengineering</i> , 2010, 105, 982-991.	1.7	50
9	Interstitial Fluid Flow Increases Hepatocellular Carcinoma Cell Invasion through CXCR4/CXCL12 and MEK/ERK Signaling. <i>PLoS ONE</i> , 2015, 10, e0142337.	1.1	37
10	Strain-dependent Recovery Behavior of Single Chondrocytes. <i>Biomechanics and Modeling in Mechanobiology</i> , 2006, 5, 172-179.	1.4	26
11	Biomechanics of Single Chondrocytes and Osteoarthritis. <i>Critical Reviews in Biomedical Engineering</i> , 2002, 30, 307-344.	0.5	22
12	Malate-aspartate shuttle promotes lactate oxidation in mitochondria. <i>Journal of Cellular Physiology</i> , 2020, 235, 2569-2581.	2.0	17
13	EMT Transition Alters Interstitial Fluid Flow-Induced Signaling in ERBB2-Positive Breast Cancer Cells. <i>Molecular Cancer Research</i> , 2015, 13, 755-764.	1.5	15
14	$\beta$ -Catenin Localization and Sarcomere Self-Organization on N-Cadherin Adhesive Patterns Are Myocyte Contractility Driven. <i>PLoS ONE</i> , 2012, 7, e47592.	1.1	13
15	Three-dimensional Cell Culture Model for Measuring the Effects of Interstitial Fluid Flow on Tumor Cell Invasion. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	10
16	A Course-Based Undergraduate Research Experience in Biofluid Mechanics. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	0.6	0