

Shannon K Hughes

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

1,369
citations

15
h-index

22
g-index

22
ext. papers

1,580
ext. citations

8.8
avg, IF

3.93
L-index

#	Paper	IF	Citations
20	Three-dimensional microfluidic model for tumor cell intravasation and endothelial barrier function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 13515-20	11.5	646
19	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. <i>Cell</i> , 2020 , 181, 236-249	56.2	140
18	Mena invasive (MenaINV) promotes multicellular streaming motility and transendothelial migration in a mouse model of breast cancer. <i>Journal of Cell Science</i> , 2011 , 124, 2120-31	5.3	136
17	2D protrusion but not motility predicts growth factor-induced cancer cell migration in 3D collagen. <i>Journal of Cell Biology</i> , 2012 , 197, 721-9	7.3	77
16	Mena binds β integrin directly and modulates β function. <i>Journal of Cell Biology</i> , 2012 , 198, 657-76	7.3	49
15	Delivery of sphingosine 1-phosphate from poly(ethylene glycol) hydrogels. <i>Biomacromolecules</i> , 2006 , 7, 1335-43	6.9	49
14	RAS mutations affect tumor necrosis factor-induced apoptosis in colon carcinoma cells via ERK-modulatory negative and positive feedback circuits along with non-ERK pathway effects. <i>Cancer Research</i> , 2009 , 69, 8191-9	10.1	48
13	Endothelial cell migration on RGD-peptide-containing PEG hydrogels in the presence of sphingosine 1-phosphate. <i>Biophysical Journal</i> , 2008 , 94, 273-85	2.9	44
12	PTP1B-dependent regulation of receptor tyrosine kinase signaling by the actin-binding protein Mena. <i>Molecular Biology of the Cell</i> , 2015 , 26, 3867-78	3.5	27
11	The Making of a PreCancer Atlas: Promises, Challenges, and Opportunities. <i>Trends in Cancer</i> , 2018 , 4, 523-536	12.5	23
10	CD46-induced immunomodulatory CD4+ T cells express the adhesion molecule and chemokine receptor pattern of intestinal T cells. <i>Journal of Immunology</i> , 2008 , 181, 2544-55	5.3	23
9	β actinin1 and 4 tyrosine phosphorylation is critical for stress fiber establishment, maintenance and focal adhesion maturation. <i>Experimental Cell Research</i> , 2013 , 319, 1124-35	4.2	22
8	Characterization of the expression of the pro-metastatic Mena(INV) isoform during breast tumor progression. <i>Clinical and Experimental Metastasis</i> , 2016 , 33, 249-61	4.7	19
7	Quantitative analysis of gradient sensing: towards building predictive models of chemotaxis in cancer. <i>Current Opinion in Cell Biology</i> , 2012 , 24, 284-91	9	18
6	Fluid shear stress modulates cell migration induced by sphingosine 1-phosphate and vascular endothelial growth factor. <i>Annals of Biomedical Engineering</i> , 2005 , 33, 1003-14	4.7	18
5	Systems Approaches to Cancer Biology. <i>Cancer Research</i> , 2016 , 76, 6774-6777	10.1	14
4	MenaINV mediates synergistic cross-talk between signaling pathways driving chemotaxis and haptotaxis. <i>Molecular Biology of the Cell</i> , 2016 , 27, 3085-3094	3.5	9

3	Prediction of sphingosine 1-phosphate-stimulated endothelial cell migration rates using biochemical measurements. <i>Annals of Biomedical Engineering</i> , 2010 , 38, 2775-90	4.7	3
2	Education and Outreach in Physical Sciences in Oncology. <i>Trends in Cancer</i> , 2021 , 7, 3-9	12.5	2
1	The National Cancer Institute Investment in Biomechanics in Oncology Research. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1092, 1-10	3.6	