Shannon K Hughes

List of Publications by Year in Descending Order

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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	Education and Outreach in Physical Sciences in Oncology. *Trends in Cancer*, **2021**, 7, 3-9	12.5	2
19	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. *Cell*, **2020**, 181, 236-249	56.2	140
18	The Making of a PreCancer Atlas: Promises, Challenges, and Opportunities. *Trends in Cancer*, **2018**, 4, 523-536	12.5	23
17	The National Cancer Institute Investment in Biomechanics in Oncology Research. *Advances in Experimental Medicine and Biology*, **2018**, 1092, 1-10	3.6	
16	Systems Approaches to Cancer Biology. *Cancer Research*, **2016**, 76, 6774-6777	10.1	14
15	Characterization of the expression of the pro-metastatic Mena(INV) isoform during breast tumor progression. *Clinical and Experimental Metastasis*, **2016**, 33, 249-61	4.7	19
14	MenaINV mediates synergistic cross-talk between signaling pathways driving chemotaxis and haptotaxis. *Molecular Biology of the Cell*, **2016**, 27, 3085-3094	3.5	9
13	PTP1B-dependent regulation of receptor tyrosine kinase signaling by the actin-binding protein Mena. *Molecular Biology of the Cell*, **2015**, 26, 3867-78	3.5	27
12	□actinin1 and 4 tyrosine phosphorylation is critical for stress fiber establishment, maintenance and focal adhesion maturation. *Experimental Cell Research*, **2013**, 319, 1124-35	4.2	22
11	Mena binds □ integrin directly and modulates □□ function. *Journal of Cell Biology*, **2012**, 198, 657-76	7.3	49
10	2D protrusion but not motility predicts growth factor-induced cancer cell migration in 3D collagen. *Journal of Cell Biology*, **2012**, 197, 721-9	7.3	77
9	Quantitative analysis of gradient sensing: towards building predictive models of chemotaxis in cancer. *Current Opinion in Cell Biology*, **2012**, 24, 284-91	9	18
8	Three-dimensional microfluidic model for tumor cell intravasation and endothelial barrier function. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 13515-20	11.5	646
7	Mena invasive (MenaINV) promotes multicellular streaming motility and transendothelial migration in a mouse model of breast cancer. *Journal of Cell Science*, **2011**, 124, 2120-31	5.3	136
6	Prediction of sphingosine 1-phosphate-stimulated endothelial cell migration rates using biochemical measurements. *Annals of Biomedical Engineering*, **2010**, 38, 2775-90	4.7	3
5	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. *Cancer Research*, **2009**, 69, 8191-9	10.1	48
4	Endothelial cell migration on RGD-peptide-containing PEG hydrogels in the presence of sphingosine 1-phosphate. *Biophysical Journal*, **2008**, 94, 273-85	2.9	44

3	CD46-induced immunomodulatory CD4+ T cells express the adhesion molecule and chemokine receptor pattern of intestinal T cells. *Journal of Immunology*, **2008**, 181, 2544-55	5.3	23
2	Delivery of sphingosine 1-phosphate from poly(ethylene glycol) hydrogels. *Biomacromolecules*, **2006**, 7, 1335-43	6.9	49
1	Fluid shear stress modulates cell migration induced by sphingosine 1-phosphate and vascular endothelial growth factor. *Annals of Biomedical Engineering*, **2005**, 33, 1003-14	4.7	18