

Shannon K Hughes

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,772
citations

516215

16
h-index

713013

21
g-index

22
all docs

22
docs citations

22
times ranked

3714
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 13515-13520.	3.3	744
2	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. Cell, 2020, 181, 236-249.	13.5	334
3	Mena invasive (MenalNV) promotes multicellular streaming motility and transendothelial migration in a mouse model of breast cancer. Journal of Cell Science, 2011, 124, 2120-2131.	1.2	163
4	2D protrusion but not motility predicts growth factor-induced cancer cell migration in 3D collagen. Journal of Cell Biology, 2012, 197, 721-729.	2.3	90
5	Mena binds $\beta 5$ integrin directly and modulates $\beta 5$ function. Journal of Cell Biology, 2012, 198, 657-676.	2.3	56
6	Delivery of Sphingosine 1-Phosphate from Poly(ethylene glycol) Hydrogels. Biomacromolecules, 2006, 7, 1335-1343.	2.6	51
7	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, 8191-8199.	0.4	50
8	Endothelial Cell Migration on RGD-Peptide-Containing PEG Hydrogels in the Presence of Sphingosine 1-Phosphate. Biophysical Journal, 2008, 94, 273-285.	0.2	47
9	The Making of a PreCancer Atlas: Promises, Challenges, and Opportunities. Trends in Cancer, 2018, 4, 523-536.	3.8	36
10	PTP1B-dependent regulation of receptor tyrosine kinase signaling by the actin-binding protein Mena. Molecular Biology of the Cell, 2015, 26, 3867-3878.	0.9	31
11	β -Actinin1 and 4 tyrosine phosphorylation is critical for stress fiber establishment, maintenance and focal adhesion maturation. Experimental Cell Research, 2013, 319, 1124-1135.	1.2	28
12	CD46-Induced Immunomodulatory CD4+ T Cells Express the Adhesion Molecule and Chemokine Receptor Pattern of Intestinal T Cells. Journal of Immunology, 2008, 181, 2544-2555.	0.4	27
13	Systems Approaches to Cancer Biology. Cancer Research, 2016, 76, 6774-6777.	0.4	26
14	Characterization of the expression of the pro-metastatic MenalNV isoform during breast tumor progression. Clinical and Experimental Metastasis, 2016, 33, 249-261.	1.7	23
15	Quantitative analysis of gradient sensing: towards building predictive models of chemotaxis in cancer. Current Opinion in Cell Biology, 2012, 24, 284-291.	2.6	22
16	Fluid Shear Stress Modulates Cell Migration Induced by Sphingosine 1-Phosphate and Vascular Endothelial Growth Factor. Annals of Biomedical Engineering, 2005, 33, 1003-1014.	1.3	20
17	Mena ^{INV} mediates synergistic cross-talk between signaling pathways driving chemotaxis and haptotaxis. Molecular Biology of the Cell, 2016, 27, 3085-3094.	0.9	12
18	Education and Outreach in Physical Sciences in Oncology. Trends in Cancer, 2021, 7, 3-9.	3.8	4

#	ARTICLE	IF	CITATIONS
19	Prediction of Sphingosine 1-Phosphate-Stimulated Endothelial Cell Migration Rates Using Biochemical Measurements. <i>Annals of Biomedical Engineering</i> , 2010, 38, 2775-2790.	1.3	3
20	Spatial and temporal tools for building a human cell atlas. <i>Molecular Biology of the Cell</i> , 2019, 30, 2435-2438.	0.9	3
21	The National Cancer Institute Investment in Biomechanics in Oncology Research. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1092, 1-10.	0.8	0