

Shawn P Carey

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.

14
papers

860
citations

12
h-index

14
g-index

14
ext. papers

1,032
ext. citations

5.3
avg, IF

4.16
L-index

#	Paper	IF	Citations
14	Phenotypic Heterogeneity and Metastasis of Breast Cancer Cells. <i>Cancer Research</i> , 2021 , 81, 3649-3663	10.1	7
13	Three-dimensional collagen matrix induces a mechanosensitive invasive epithelial phenotype. <i>Scientific Reports</i> , 2017 , 7, 42088	4.9	80
12	Local extracellular matrix alignment directs cellular protrusion dynamics and migration through Rac1 and FAK. <i>Integrative Biology (United Kingdom)</i> , 2016 , 8, 821-35	3.7	75
11	Vinculin Regulates Directionality and Cell Polarity in 2D, 3D Matrix and 3D Microtrack Migration. <i>Molecular Biology of the Cell</i> , 2016 ,	3.5	43
10	Probing the biophysical properties of primary breast tumor-derived fibroblasts. <i>Cellular and Molecular Bioengineering</i> , 2015 , 8, 76-85	3.9	14
9	Comparative mechanisms of cancer cell migration through 3D matrix and physiological microtracks. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 308, C436-47	5.4	62
8	Biophysical induction of vascular smooth muscle cell podosomes. <i>PLoS ONE</i> , 2015 , 10, e0119008	3.7	8
7	Microfabricated collagen tracks facilitate single cell metastatic invasion in 3D. <i>Integrative Biology (United Kingdom)</i> , 2013 , 5, 606-16	3.7	84
6	Leading malignant cells initiate collective epithelial cell invasion in a three-dimensional heterotypic tumor spheroid model. <i>Clinical and Experimental Metastasis</i> , 2013 , 30, 615-30	4.7	100
5	Biophysical control of invasive tumor cell behavior by extracellular matrix microarchitecture. <i>Biomaterials</i> , 2012 , 33, 4157-65	15.6	137
4	Fabrication of substrates with defined mechanical properties and topographical features for the study of cell migration. <i>Macromolecular Bioscience</i> , 2012 , 12, 12-20	5.5	44
3	Mechanobiology of tumor invasion: engineering meets oncology. <i>Critical Reviews in Oncology/Hematology</i> , 2012 , 83, 170-83	7	58
2	Quantifying traction stresses in adherent cells. <i>Methods in Cell Biology</i> , 2012 , 110, 139-78	1.8	46
1	The role of the cytoskeleton in cellular force generation in 2D and 3D environments. <i>Physical Biology</i> , 2011 , 8, 015009	3	102