

# Shawn P Carey

## 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.

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