

Katrina M Wisdom

List of Publications by Year in descending order

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9
papers

1,184
citations

1040056

9
h-index

1474206

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g-index

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all docs

9
docs citations

9
times ranked

1769
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced substrate stress relaxation promotes filopodia-mediated cell migration. <i>Nature Materials</i> , 2021, 20, 1290-1299.	27.5	111
2	Recursive feedback between matrix dissipation and chemo-mechanical signaling drives oscillatory growth of cancer cell invadopodia. <i>Cell Reports</i> , 2021, 35, 109047.	6.4	14
3	Covalent cross-linking of basement membrane-like matrices physically restricts invasive protrusions in breast cancer cells. <i>Matrix Biology</i> , 2020, 85-86, 94-111.	3.6	27
4	Increased Stiffness Inhibits Invadopodia Formation and Cell Migration in 3D. <i>Biophysical Journal</i> , 2020, 119, 726-736.	0.5	25
5	Cell cycle progression in confining microenvironments is regulated by a growth-responsive TRPV4-PI3K/Akt-p27 ^{Kip1} signaling axis. <i>Science Advances</i> , 2019, 5, eaaw6171.	10.3	107
6	Matrix mechanical plasticity regulates cancer cell migration through confining microenvironments. <i>Nature Communications</i> , 2018, 9, 4144.	12.8	263
7	3D Cell Culture in Interpenetrating Networks of Alginate and rBM Matrix. <i>Methods in Molecular Biology</i> , 2017, 1612, 29-37.	0.9	24
8	Use it or lose it: multiscale skeletal muscle adaptation to mechanical stimuli. <i>Biomechanics and Modeling in Mechanobiology</i> , 2015, 14, 195-215.	2.8	119
9	Self-cleaning of superhydrophobic surfaces by self-propelled jumping condensate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7992-7997.	7.1	494