

# Katrina M Wisdom

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8728214/publications.pdf>

Version: 2024-02-01

9  
papers

1,184  
citations

1040056

9  
h-index

1474206

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all docs

9  
docs citations

9  
times ranked

1769  
citing authors

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