

# Hong-Pyo Lee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4264607/publications.pdf>

Version: 2024-02-01

11  
papers

2,582  
citations

1170033

9  
h-index

1427216

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

4572  
citing authors

#	ARTICLE	IF	CITATIONS
1	The nuclear piston activates mechanosensitive ion channels to generate cell migration paths in confining microenvironments. <i>Science Advances</i> , 2021, 7, .	4.7	45
2	A dysfunctional TRPV4-GSK3 $\beta$ pathway prevents osteoarthritic chondrocytes from sensing changes in extracellular matrix viscoelasticity. <i>Nature Biomedical Engineering</i> , 2021, 5, 1472-1484.	11.6	42
3	Enhanced substrate stress relaxation promotes filopodia-mediated cell migration. <i>Nature Materials</i> , 2021, 20, 1290-1299.	13.3	111
4	Relative strain is a novel predictor of aneurysmal degeneration of the thoracic aorta: An ex vivo mechanical study. <i>JVS Vascular Science</i> , 2021, 2, 235-246.	0.4	3
5	Cell cycle progression in confining microenvironments is regulated by a growth-responsive TRPV4-PI3K/Akt-p27 <sup>Kip1</sup> signaling axis. <i>Science Advances</i> , 2019, 5, eaaw6171.	4.7	107
6	Volume expansion and TRPV4 activation regulate stem cell fate in three-dimensional microenvironments. <i>Nature Communications</i> , 2019, 10, 529.	5.8	128
7	YAP-independent mechanotransduction drives breast cancer progression. <i>Nature Communications</i> , 2019, 10, 1848.	5.8	127
8	Microchannel system for rate-controlled, sequential, and pH-responsive drug delivery. <i>Acta Biomaterialia</i> , 2018, 68, 249-260.	4.1	13
9	Mechanical confinement regulates cartilage matrix formation by chondrocytes. <i>Nature Materials</i> , 2017, 16, 1243-1251.	13.3	348
10	Hydrogels with tunable stress relaxation regulate stem cell fate and activity. <i>Nature Materials</i> , 2016, 15, 326-334.	13.3	1,650
11	Wet microcontact printing ( $\mu$ CP) for micro-reservoir drug delivery systems. <i>Biofabrication</i> , 2013, 5, 025011.	3.7	8