

Runchen Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1760098/publications.pdf>

Version: 2024-02-01

9
papers

327
citations

1307594

7
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Granular impact cratering by liquid drops: Understanding raindrop imprints through an analogy to asteroid strikes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 342-347.	7.1	64
2	Confinement hinders motility by inducing RhoA-mediated nuclear influx, volume expansion, and blebbing. <i>Journal of Cell Biology</i> , 2019, 218, 4093-4111.	5.2	64
3	The importance of water and hydraulic pressure in cell dynamics. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	57
4	Cell sensing and decision-making in confinement: The role of TRPM7 in a tug of war between hydraulic pressure and cross-sectional area. <i>Science Advances</i> , 2019, 5, eaaw7243.	10.3	56
5	Dorsoventral polarity directs cell responses to migration track geometries. <i>Science Advances</i> , 2020, 6, eaba6505.	10.3	39
6	Scaling of liquid-drop impact craters in wet granular media. <i>Physical Review E</i> , 2015, 92, 042205.	2.1	17
7	Hydraulic resistance induces cell phenotypic transition in confinement. <i>Science Advances</i> , 2021, 7, .	10.3	17
8	Sarcomeric deficits underlie MYBPC1-associated myopathy with myogenic tremor. <i>JCI Insight</i> , 2021, 6, .	5.0	8
9	Video: Raindrop impact on a sandy surface. , 0, , .		0