

Philipp Isermann

List of Publications by Year in Descending Order

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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.

15
papers

1,488
citations

11
h-index

15
g-index

15
ext. papers

1,849
ext. citations

8.8
avg, IF

4.7
L-index

#	Paper	IF	Citations
15	Mutant lamins cause nuclear envelope rupture and DNA damage in skeletal muscle cells. <i>Nature Materials</i> , 2020 , 19, 464-473	27	76
14	High-throughput microfluidic micropipette aspiration device to probe time-scale dependent nuclear mechanics in intact cells. <i>Lab on A Chip</i> , 2019 , 19, 3652-3663	7.2	27
13	Cell migration through three-dimensional confining pores: speed accelerations by deformation and recoil of the nucleus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180225	5.8	32
12	Consequences of a tight squeeze: Nuclear envelope rupture and repair. <i>Nucleus</i> , 2017 , 8, 268-274	3.9	36
11	Nuclear envelope rupture and repair during cancer cell migration. <i>Science</i> , 2016 , 352, 353-8	33.3	710
10	Cellular and molecular remodelling of a host cell for vertical transmission of bacterial symbionts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	40
9	A Chemomechanical Model for Nuclear Morphology and Stresses during Cell Transendothelial Migration. <i>Biophysical Journal</i> , 2016 , 111, 1541-1552	2.9	82
8	Design of a microfluidic device to quantify dynamic intra-nuclear deformation during cell migration through confining environments. <i>Integrative Biology (United Kingdom)</i> , 2015 , 7, 1534-46	3.7	83
7	Nuclear mechanics and mechanotransduction in health and disease. <i>Current Biology</i> , 2013 , 23, R1113-21	6.3	251
6	Myopathic lamin mutations impair nuclear stability in cells and tissue and disrupt nucleo-cytoskeletal coupling. <i>Human Molecular Genetics</i> , 2013 , 22, 2335-49	5.6	124
5	Assays to measure nuclear mechanics in interphase cells. <i>Current Protocols in Cell Biology</i> , 2012 , Chapter 22, Unit22.16	2.3	14
4	High-throughput microfluidic micropipette aspiration device to probe time-scale dependent nuclear mechanics in intact cells		1
3	Lamin B2 follows lamin A/C- mediated nuclear mechanics and cancer cell invasion efficacy		7
2	Mutant lamins cause nuclear envelope rupture and DNA damage in skeletal muscle cells		3
1	Low lamin A levels enhance confined cell migration and metastatic capacity in breast cancer		2