Philipp Isermann

List of Publications by Citations

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