Kwonmoo Lee

List of Publications by Year
in descending order

13 papers	372 citations	1162889 8 h-index	1199470 12 g-index
22 all docs	22 docs citations	22 times ranked	510 citing authors

#	Article	IF	Citations
1	Self-Assembly of Filopodia-Like Structures on Supported Lipid Bilayers. Science, 2010, 329, 1341-1345.	6.0	153
2	Functional Hierarchy of Redundant Actin Assembly Factors Revealed by Fine-Grained Registration of Intrinsic Image Fluctuations. Cell Systems, 2015, 1, 37-50.	2.9	65
3	Deep transfer learning-based hologram classification for molecular diagnostics. Scientific Reports, 2018, 8, 17003.	1.6	48
4	Deconvolution of subcellular protrusion heterogeneity and the underlying actin regulator dynamics from live cell imaging. Nature Communications, 2018, 9, 1688.	5.8	22
5	Effects of nonequilibrium fluctuations on ionic transport through biomembranes. Physical Review E, 1999, 60, 4681-4686.	0.8	12
6	Ion transport and channel transition in biomembranes. Physica A: Statistical Mechanics and Its Applications, 2002, 315, 79-97.	1.2	11
7	Mechanosensitive expression of lamellipodin promotes intracellular stiffness, cyclin expression and cell proliferation. Journal of Cell Science, 2021, 134, .	1.2	11
8	Emerging machine learning approaches to phenotyping cellular motility and morphodynamics. Physical Biology, 2021, 18, 041001.	0.8	11
9	A deep learning-based segmentation pipeline for profiling cellular morphodynamics using multiple types of live cell microscopy. Cell Reports Methods, 2021, 1, 100105.	1.4	11
10	A machine learning pipeline revealing heterogeneous responses to drug perturbations on vascular smooth muscle cell spheroid morphology and formation. Scientific Reports, 2021, 11, 23285.	1.6	11
11	Increased prevalence of indoor <i>Aspergillus</i> and <i>Penicillium</i> species is associated with indoor flooding and coastal proximity: a case study of 28 moldy buildings. Environmental Sciences: Processes and Impacts, 2021, 23, 1681-1687.	1.7	6
12	Protocol for live cell image segmentation to profile cellular morphodynamics using MARS-Net. STAR Protocols, 2022, 3, 101469.	0.5	2
13	Evolution strategy applied to global optimization of clusters in gene expression data of DNA microarrays. , 0, , .		1