

Colin K Choi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10499940/publications.pdf>

Version: 2024-02-01

14
papers

2,778
citations

687363

13
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

4452
citing authors

#	ARTICLE	IF	CITATIONS
1	Actin and $\hat{1}\pm$ -actinin orchestrate the assembly and maturation of nascent adhesions in a myosin II motor-independent manner. <i>Nature Cell Biology</i> , 2008, 10, 1039-1050.	10.3	691
2	Biomimetic model to reconstitute angiogenic sprouting morphogenesis in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6712-6717.	7.1	419
3	Regulation of protrusion, adhesion dynamics, and polarity by myosins IIA and IIB in migrating cells. <i>Journal of Cell Biology</i> , 2007, 176, 573-580.	5.2	358
4	Fluid shear stress threshold regulates angiogenic sprouting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7968-7973.	7.1	329
5	Multidimensional traction force microscopy reveals out-of-plane rotational moments about focal adhesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 881-886.	7.1	239
6	Matrix degradability controls multicellularity of 3D cell migration. <i>Nature Communications</i> , 2017, 8, 371.	12.8	192
7	A DNA-based molecular probe for optically reporting cellular traction forces. <i>Nature Methods</i> , 2014, 11, 1229-1232.	19.0	171
8	Cross-Correlated Fluctuation Analysis Reveals Phosphorylation-Regulated Paxillin-FAK Complexes in Nascent Adhesions. <i>Biophysical Journal</i> , 2011, 100, 583-592.	0.5	74
9	A proteomic approach reveals integrin activation state-dependent control of microtubule cortical targeting. <i>Nature Communications</i> , 2015, 6, 6135.	12.8	71
10	Rac1 is deactivated at integrin activation sites via an IQGAP1/filamin-A/RacGAP1 pathway. <i>Journal of Cell Science</i> , 2013, 126, 4121-35.	2.0	68
11	Engineered materials and the cellular microenvironment: a strengthening interface between cell biology and bioengineering. <i>Trends in Cell Biology</i> , 2010, 20, 705-714.	7.9	62
12	Stochastic Model of Integrin-Mediated Signaling and Adhesion Dynamics at the Leading Edges of Migrating Cells. <i>PLoS Computational Biology</i> , 2010, 6, e1000688.	3.2	52
13	Tensin1 Requires Protein Phosphatase-1 $\hat{1}\pm$ in Addition to RhoGAP DLC-1 to Control Cell Polarization, Migration, and Invasion. <i>Journal of Biological Chemistry</i> , 2009, 284, 34713-34722.	3.4	49
14	Jostling for position in angiogenic sprouts: continuous rearrangement of cells explained by differential adhesion dynamics. <i>EMBO Journal</i> , 2014, 33, 1089-1090.	7.8	3