

Ronen Zaidel-Bar

List of Publications by Citations

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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.

55
papers

4,161
citations

28
h-index

64
g-index

225
ext. papers

4,856
ext. citations

8
avg. IF

5.77
L-index

#	Paper	IF	Citations
55	Functional atlas of the integrin adhesome. <i>Nature Cell Biology</i> , 2007 , 9, 858-67	23.4	899
54	Early molecular events in the assembly of matrix adhesions at the leading edge of migrating cells. <i>Journal of Cell Science</i> , 2003 , 116, 4605-13	5.3	525
53	Hierarchical assembly of cell-matrix adhesion complexes. <i>Biochemical Society Transactions</i> , 2004 , 32, 416-20	5.1	410
52	A paxillin tyrosine phosphorylation switch regulates the assembly and form of cell-matrix adhesions. <i>Journal of Cell Science</i> , 2007 , 120, 137-48	5.3	348
51	The switchable integrin adhesome. <i>Journal of Cell Science</i> , 2010 , 123, 1385-8	5.3	260
50	Actin-delimited adhesion-independent clustering of E-cadherin forms the nanoscale building blocks of adherens junctions. <i>Developmental Cell</i> , 2015 , 32, 139-54	10.2	121
49	E-cadherin interactome complexity and robustness resolved by quantitative proteomics. <i>Science Signaling</i> , 2014 , 7, rs7	8.8	114
48	Long-range self-organization of cytoskeletal myosin II filament stacks. <i>Nature Cell Biology</i> , 2017 , 19, 1332-44	23.4	113
47	Nanoscale architecture of cadherin-based cell adhesions. <i>Nature Cell Biology</i> , 2017 , 19, 28-37	23.4	97
46	Cadherin adhesome at a glance. <i>Journal of Cell Science</i> , 2013 , 126, 373-8	5.3	94
45	Polarized downregulation of the paxillin-p130CAS-Rac1 pathway induced by shear flow. <i>Journal of Cell Science</i> , 2005 , 118, 3997-4007	5.3	82
44	Opening the floodgates: proteomics and the integrin adhesome. <i>Current Opinion in Cell Biology</i> , 2012 , 24, 562-8	9	78
43	Two isoforms of the Drosophila RNA binding protein, how, act in opposing directions to regulate tendon cell differentiation. <i>Developmental Cell</i> , 2002 , 2, 183-93	10.2	62
42	The contractome—a systems view of actomyosin contractility in non-muscle cells. <i>Journal of Cell Science</i> , 2015 , 128, 2209-17	5.3	58
41	E-cadherin junction formation involves an active kinetic nucleation process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10932-7	11.5	57
40	Principles of Actomyosin Regulation In Vivo. <i>Trends in Cell Biology</i> , 2019 , 29, 150-163	18.3	54
39	Plastin increases cortical connectivity to facilitate robust polarization and timely cytokinesis. <i>Journal of Cell Biology</i> , 2017 , 216, 1371-1386	7.3	53

38	Loss of the RhoGAP SRGP-1 promotes the clearance of dead and injured cells in <i>Caenorhabditis elegans</i> . <i>Nature Cell Biology</i> , 2011 , 13, 79-86	23.4	45
37	The F-BAR domain of SRGP-1 facilitates cell-cell adhesion during <i>C. elegans</i> morphogenesis. <i>Journal of Cell Biology</i> , 2010 , 191, 761-9	7.3	45
36	The <i>C. elegans</i> zonula occludens ortholog cooperates with the cadherin complex to recruit actin during morphogenesis. <i>Current Biology</i> , 2008 , 18, 1333-7	6.3	43
35	Regulation of adherens junction dynamics by phosphorylation switches. <i>Journal of Signal Transduction</i> , 2012 , 2012, 125295		40
34	Pre-metazoan origins and evolution of the cadherin adhesome. <i>Biology Open</i> , 2014 , 3, 1183-95	2.2	34
33	Germ Granules Govern Small RNA Inheritance. <i>Current Biology</i> , 2019 , 29, 2880-2891.e4	6.3	33
32	Formin-mediated actin polymerization at cell-cell junctions stabilizes E-cadherin and maintains monolayer integrity during wound repair. <i>Molecular Biology of the Cell</i> , 2016 , 27, 2844-56	3.5	33
31	Evolution of complexity in the integrin adhesome. <i>Journal of Cell Biology</i> , 2009 , 186, 317-21	7.3	32
30	Jack of all trades: functional modularity in the adherens junction. <i>Current Opinion in Cell Biology</i> , 2015 , 36, 32-40	9	31
29	An optogenetic tool for the activation of endogenous diaphanous-related formins induces thickening of stress fibers without an increase in contractility. <i>Cytoskeleton</i> , 2013 , 70, 394-407	2.4	30
28	Sustained β -catenin Activation at E-cadherin Junctions in the Absence of Mechanical Force. <i>Biophysical Journal</i> , 2016 , 111, 1044-52	2.9	29
27	Structured illumination microscopy reveals focal adhesions are composed of linear subunits. <i>Cytoskeleton</i> , 2015 , 72, 235-45	2.4	28
26	biofilms program innate immunity for persistence in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 12462-12467	11.5	27
25	Early events in the assembly of E-cadherin adhesions. <i>Experimental Cell Research</i> , 2017 , 358, 14-19	4.2	26
24	Tropomodulin protects β -catenin-dependent junctional-actin networks under stress during epithelial morphogenesis. <i>Current Biology</i> , 2012 , 22, 1500-5	6.3	25
23	Transient membrane localization of SPV-1 drives cyclical actomyosin contractions in the <i>C. elegans</i> spermatheca. <i>Current Biology</i> , 2015 , 25, 141-151	6.3	24
22	Spatially modulated ephrinA1:EphA2 signaling increases local contractility and global focal adhesion dynamics to promote cell motility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5696-E5705	11.5	24
21	Non-junctional E-Cadherin Clusters Regulate the Actomyosin Cortex in the <i>C. elegans</i> Zygote. <i>Current Biology</i> , 2017 , 27, 103-112	6.3	22

20	Molting-specific downregulation of <i>C. elegans</i> body-wall muscle attachment sites: the role of RNF-5 E3 ligase. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 395, 509-14	3.4	18
19	There are four dynamically and functionally distinct populations of E-cadherin in cell junctions. <i>Biology Open</i> , 2015 , 4, 1481-9	2.2	17
18	From cell shape to cell fate via the cytoskeleton - Insights from the epidermis. <i>Experimental Cell Research</i> , 2019 , 378, 232-237	4.2	16
17	Temporal evolution of cell focal adhesions: experimental observations and shear stress profiles. <i>Soft Matter</i> , 2008 , 4, 2410	3.6	16
16	Stretch-induced actomyosin contraction in epithelial tubes: Mechanotransduction pathways for tubular homeostasis. <i>Seminars in Cell and Developmental Biology</i> , 2017 , 71, 146-152	7.5	15
15	Syncytial germline architecture is actively maintained by contraction of an internal actomyosin corset. <i>Nature Communications</i> , 2018 , 9, 4694	17.4	15
14	Reciprocal regulation of actomyosin organization and contractility in nonmuscle cells by tropomyosins and alpha-actinins. <i>Molecular Biology of the Cell</i> , 2019 , 30, 2025-2036	3.5	12
13	Diverse roles of non-muscle myosin II contractility in 3D cell migration. <i>Essays in Biochemistry</i> , 2019 , 63, 497-508	7.6	8
12	The myosin light-chain kinase MLCK-1 relocalizes during <i>Caenorhabditis elegans</i> ovulation to promote actomyosin bundle assembly and drive contraction. <i>Molecular Biology of the Cell</i> , 2018 , 29, 1973-1991	3.5	7
11	The RhoGAP SPV-1 regulates calcium signaling to control the contractility of the <i>Caenorhabditis elegans</i> spermatheca during embryo transits. <i>Molecular Biology of the Cell</i> , 2019 , 30, 907-922	3.5	6
10	The AP-2 Transcription Factor APTF-2 Is Required for Neuroblast and Epidermal Morphogenesis in <i>Caenorhabditis elegans</i> Embryogenesis. <i>PLoS Genetics</i> , 2016 , 12, e1006048	6	5
9	Mechanosensing in embryogenesis. <i>Current Opinion in Cell Biology</i> , 2021 , 68, 1-9	9	5
8	Atypical matrix adhesions guide cell division. <i>Nature Cell Biology</i> , 2018 , 20, 1233-1235	23.4	5
7	Glycosyl phosphatidylinositol anchor biosynthesis is essential for maintaining epithelial integrity during <i>Caenorhabditis elegans</i> embryogenesis. <i>PLoS Genetics</i> , 2015 , 11, e1005082	6	4
6	Probing the effect of clustering on EphA2 receptor signaling efficiency by subcellular control of ligand-receptor mobility. <i>ELife</i> , 2021 , 10,	8.9	3
5	Thymosin β is essential for adherens junction stability and epidermal planar cell polarity. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	2
4	Cell cycle pacemaker keeps adhesion in step with division. <i>Journal of Cell Biology</i> , 2018 , 217, 2981-2982	7.3	1
3	Protein Networks in Integrin-Mediated Adhesions 2010 , 139-151		1

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| 2 | Pyk2 regulates cell-edge protrusion dynamics by interacting with Crk. <i>Molecular Biology of the Cell</i> , 2021 , 32, ar17 | 3.5 | ○ |
| 1 | Levodopa-responsive dystonia caused by biallelic exon inversion invisible to exome sequencing. <i>Brain Communications</i> , 2021 , 3, fcab197 | 4.5 | ○ |