

Nicholas H Brown

List of Publications by Citations

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77
papers

5,766
citations

44
h-index

75
g-index

79
ext. papers

6,410
ext. citations

9.1
avg, IF

5.92
L-index

#	Paper	IF	Citations
77	Functional cDNA libraries from Drosophila embryos. <i>Journal of Molecular Biology</i> , 1988 , 203, 425-37	6.5	618
76	Integrins in development: moving on, responding to, and sticking to the extracellular matrix. <i>Developmental Cell</i> , 2002 , 3, 311-21	10.2	330
75	Rotation and asymmetry of the mitotic spindle direct asymmetric cell division in the developing central nervous system. <i>Nature Cell Biology</i> , 2000 , 2, 7-12	23.4	273
74	Drosophila integrin-linked kinase is required at sites of integrin adhesion to link the cytoskeleton to the plasma membrane. <i>Journal of Cell Biology</i> , 2001 , 152, 1007-18	7.3	240
73	Talin is essential for integrin function in Drosophila. <i>Developmental Cell</i> , 2002 , 3, 569-79	10.2	220
72	Rap1 GTPase regulation of adherens junction positioning and cell adhesion. <i>Science</i> , 2002 , 295, 1285-8	33.3	202
71	Centralspindlin and E-catenin regulate Rho signalling at the epithelial zonula adherens. <i>Nature Cell Biology</i> , 2012 , 14, 818-828	23.4	194
70	Integrins and the actin cytoskeleton. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 43-50	9	179
69	Integrin-dependent anchoring of a stem-cell niche. <i>Nature Cell Biology</i> , 2007 , 9, 1413-8	23.4	170
68	Talin - the master of integrin adhesions. <i>Journal of Cell Science</i> , 2017 , 130, 2435-2446	5.3	140
67	The spectraplakins: cytoskeletal giants with characteristics of both spectrin and plakin families. <i>Journal of Cell Science</i> , 2002 , 115, 4215-25	5.3	138
66	kakapo, a gene required for adhesion between and within cell layers in Drosophila, encodes a large cytoskeletal linker protein related to plectin and dystrophin. <i>Journal of Cell Biology</i> , 1998 , 143, 1271-82	7.3	132
65	The Drosophila RASSF homolog antagonizes the hippo pathway. <i>Current Biology</i> , 2006 , 16, 2459-65	6.3	129
64	Developmentally regulated alternative splicing of Drosophila integrin PS2 alpha transcripts. <i>Cell</i> , 1989 , 59, 185-95	56.2	128
63	Integrins as mediators of morphogenesis in Drosophila. <i>Developmental Biology</i> , 2000 , 223, 1-16	3.1	121
62	Functional screening in Drosophila identifies Alzheimer's disease susceptibility genes and implicates Tau-mediated mechanisms. <i>Human Molecular Genetics</i> , 2014 , 23, 870-7	5.6	113
61	Cell-cell adhesion via the ECM: integrin genetics in fly and worm. <i>Matrix Biology</i> , 2000 , 19, 191-201	11.4	106

60	An interaction between integrin and the talin FERM domain mediates integrin activation but not linkage to the cytoskeleton. <i>Nature Cell Biology</i> , 2006 , 8, 601-6	23.4	100
59	Absence of PS integrins or laminin A affects extracellular adhesion, but not intracellular assembly, of hemiadherens and neuromuscular junctions in <i>Drosophila</i> embryos. <i>Developmental Biology</i> , 1998 , 196, 58-76	3.1	99
58	Novel functions for integrins in epithelial morphogenesis. <i>Current Biology</i> , 2004 , 14, 381-5	6.3	94
57	<i>Drosophila</i> laminins act as key regulators of basement membrane assembly and morphogenesis. <i>Development (Cambridge)</i> , 2009 , 136, 4165-76	6.6	92
56	Integrins hold <i>Drosophila</i> together. <i>BioEssays</i> , 1993 , 15, 383-90	4.1	85
55	Morphogenesis in the absence of integrins: mutation of both <i>Drosophila</i> beta subunits prevents midgut migration. <i>Development (Cambridge)</i> , 2004 , 131, 5405-15	6.6	76
54	Extracellular matrix in development: insights from mechanisms conserved between invertebrates and vertebrates. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3,	10.2	75
53	Papillote and Piopio: <i>Drosophila</i> ZP-domain proteins required for cell adhesion to the apical extracellular matrix and microtubule organization. <i>Journal of Cell Science</i> , 2005 , 118, 633-42	5.3	74
52	Alternative mechanisms for talin to mediate integrin function. <i>Current Biology</i> , 2015 , 25, 847-57	6.3	69
51	A Spectraplakin Is Enriched on the Fusome and Organizes Microtubules during Oocyte Specification in <i>Drosophila</i> . <i>Current Biology</i> , 2004 , 14, 99-110	6.3	68
50	Tensin stabilizes integrin adhesive contacts in <i>Drosophila</i> . <i>Developmental Cell</i> , 2004 , 6, 357-69	10.2	66
49	A screen to identify <i>Drosophila</i> genes required for integrin-mediated adhesion. <i>Genetics</i> , 1998 , 150, 791-805	4.3	62
48	Grainy head promotes expression of septate junction proteins and influences epithelial morphogenesis. <i>Journal of Cell Science</i> , 2008 , 121, 747-52	5.3	60
47	Integrin-ECM interactions regulate the changes in cell shape driving the morphogenesis of the <i>Drosophila</i> wing epithelium. <i>Journal of Cell Science</i> , 2007 , 120, 1061-71	5.3	56
46	Multiple factors contribute to integrin-talin interactions in vivo. <i>Journal of Cell Science</i> , 2006 , 119, 1632-43	4.3	55
45	Integrin-independent repression of cadherin transcription by talin during axis formation in <i>Drosophila</i> . <i>Nature Cell Biology</i> , 2005 , 7, 510-6	23.4	54
44	Focal adhesion kinase is not required for integrin function or viability in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2004 , 131, 5795-805	6.6	53
43	Mammalian CD2 is an effective heterologous marker of the cell surface in <i>Drosophila</i> . <i>Developmental Biology</i> , 1995 , 168, 689-93	3.1	52

42	Genetic analysis of the <i>Drosophila</i> alphaPS2 integrin subunit reveals discrete adhesive, morphogenetic and sarcomeric functions. <i>Genetics</i> , 1998 , 148, 1127-42	4	52
41	The integrin adhesion complex changes its composition and function during morphogenesis of an epithelium. <i>Journal of Cell Science</i> , 2009 , 122, 4363-74	5.3	51
40	Modulation of integrin activity is vital for morphogenesis. <i>Journal of Cell Biology</i> , 1998 , 141, 1073-81	7.3	50
39	Dynamic microtubules produce an asymmetric E-cadherin-Bazooka complex to maintain segment boundaries. <i>Journal of Cell Biology</i> , 2013 , 201, 887-901	7.3	49
38	Contribution of sequence variation in <i>Drosophila</i> actins to their incorporation into actin-based structures in vivo. <i>Journal of Cell Science</i> , 2005 , 118, 3937-48	5.3	48
37	Filopodia-like actin cables position nuclei in association with perinuclear actin in <i>Drosophila</i> nurse cells. <i>Developmental Cell</i> , 2013 , 26, 604-15	10.2	47
36	Maintaining epithelial integrity: a function for gigantic spectraplakins isoforms in adherens junctions. <i>Journal of Cell Biology</i> , 2003 , 162, 1305-15	7.3	47
35	Specific tracheal migration is mediated by complementary expression of cell surface proteins. <i>Genes and Development</i> , 2001 , 15, 1554-62	12.6	47
34	Cell adhesion in <i>Drosophila</i> : versatility of cadherin and integrin complexes during development. <i>Current Opinion in Cell Biology</i> , 2012 , 24, 702-12	9	45
33	The MARVEL domain protein, Singles Bar, is required for progression past the pre-fusion complex stage of myoblast fusion. <i>Developmental Biology</i> , 2007 , 307, 328-39	3.1	44
32	The many faces of cell adhesion during <i>Drosophila</i> muscle development. <i>Developmental Biology</i> , 2015 , 401, 62-74	3.1	41
31	Downstream of identity genes: muscle-type-specific regulation of the fusion process. <i>Developmental Cell</i> , 2010 , 19, 317-28	10.2	40
30	Isolation and characterization of the <i>Drosophila</i> translational elongation factor 2 gene. <i>Nucleic Acids Research</i> , 1989 , 17, 7303-14	20.1	38
29	Microtubule organization is determined by the shape of epithelial cells. <i>Nature Communications</i> , 2016 , 7, 13172	17.4	37
28	A spectraplakins is enriched on the fusome and organizes microtubules during oocyte specification in <i>Drosophila</i> . <i>Current Biology</i> , 2004 , 14, 99-110	6.3	35
27	Anchors and signals: the diverse roles of integrins in development. <i>Current Topics in Developmental Biology</i> , 2015 , 112, 233-72	5.3	34
26	A central multifunctional role of integrin-linked kinase at muscle attachment sites. <i>Journal of Cell Science</i> , 2011 , 124, 1316-27	5.3	34
25	<i>Drosophila</i> Ajuba is not an Aurora-A activator but is required to maintain Aurora-A at the centrosome. <i>Journal of Cell Science</i> , 2011 , 124, 1156-66	5.3	30

24	Integrin intracellular machinery in action. <i>Experimental Cell Research</i> , 2019 , 378, 226-231	4.2	28
23	Drosophila p120-catenin is crucial for endocytosis of the dynamic E-cadherin-Bazooka complex. <i>Journal of Cell Science</i> , 2016 , 129, 477-82	5.3	25
22	Mutations in the Drosophila alphaPS2 integrin subunit uncover new features of adhesion site assembly. <i>Developmental Biology</i> , 2007 , 308, 294-308	3.1	24
21	Directly e-mailing authors of newly published papers encourages community curation. <i>Database: the Journal of Biological Databases and Curation</i> , 2012 , 2012, bas024	5	23
20	Integrin adhesion: when is a kinase a kinase?. <i>Current Biology</i> , 2002 , 12, R350-1	6.3	22
19	Drosophila vinculin is more harmful when hyperactive than absent, and can circumvent integrin to form adhesion complexes. <i>Journal of Cell Science</i> , 2016 , 129, 4354-4365	5.3	21
18	Evidence for the mechanosensor function of filamin in tissue development. <i>Scientific Reports</i> , 2016 , 6, 32798	4.9	19
17	The Drosophila phenotype ontology. <i>Journal of Biomedical Semantics</i> , 2013 , 4, 30	2.2	18
16	Novel functions for integrin-associated proteins revealed by analysis of myofibril attachment in. <i>ELife</i> , 2018 , 7,	8.9	15
15	Nuclear positioning by actin cables and perinuclear actin: Special and general?. <i>Nucleus</i> , 2014 , 5, 219-23	3.9	12
14	An integrin chicken and egg problem: which comes first, the extracellular matrix or the cytoskeleton?. <i>Current Opinion in Cell Biology</i> , 2000 , 12, 629-33	9	11
13	Spectraplakins. <i>Current Biology</i> , 2014 , 24, R307-8	6.3	10
12	Spectraplakins: the cytoskeleton's Swiss army knife. <i>Cell</i> , 2008 , 135, 16-8	56.2	9
11	Integrin-Mediated Adhesion in the Unicellular Holozoan <i>Capsaspora owczarzaki</i> . <i>Current Biology</i> , 2020 , 30, 4270-4275.e4	6.3	8
10	Integrin signaling downregulates filopodia during muscle-tendon attachment. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	7
9	Building a pipeline to solicit expert knowledge from the community to aid gene summary curation. <i>Database: the Journal of Biological Databases and Curation</i> , 2020 , 2020,	5	5
8	Diverse integrin adhesion stoichiometries caused by varied actomyosin activity. <i>Open Biology</i> , 2017 , 7,	7	5
7	Integrins and morphogenesis. <i>Development (Cambridge)</i> , 1993 , 119, 177-183	6.6	4

6	Talin in mechanotransduction and mechanomemory at a glance. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	3
5	Integrin-mediated adhesion in the unicellular holozoan <i>Capsaspora owczarzaki</i>		2
4	FlyPhoneDB: an integrated web-based resource for cell-cell communication prediction in <i>Drosophila</i> . <i>Genetics</i> , 2021 ,	4	2
3	Integrin signaling downregulates filopodia in muscle-tendon attachment		1
2	Reducing integrins improves the quality of fly life. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2003 , 2003, PE28		
1	<i>Drosophila</i> p120-catenin is crucial for endocytosis of the dynamic E-cadherin <i>Bazooka</i> complex. <i>Development (Cambridge)</i> , 2016 , 143, e1.1-e1.1	6.6	