

# Nicholas H Brown

## List of Publications by Year in descending order

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75  
papers

6,831  
citations

53751

45  
h-index

79644

73  
g-index

79  
all docs

79  
docs citations

79  
times ranked

6539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional cDNA libraries from Drosophila embryos. <i>Journal of Molecular Biology</i> , 1988, 203, 425-437.	2.0	663
2	Integrins in Development. <i>Developmental Cell</i> , 2002, 3, 311-321.	3.1	362
3	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.	4.6	308
4	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, 1007-1018.	2.3	259
5	Talin Is Essential for Integrin Function in Drosophila. <i>Developmental Cell</i> , 2002, 3, 569-579.	3.1	241
6	Rap1 GTPase Regulation of Adherens Junction Positioning and Cell Adhesion. <i>Science</i> , 2002, 295, 1285-1288.	6.0	232
7	Centralspindlin and $\beta$ -catenin regulate Rho signalling at the epithelial zonula adherens. <i>Nature Cell Biology</i> , 2012, 14, 818-828.	4.6	224
8	Talin is the master of integrin adhesions. <i>Journal of Cell Science</i> , 2017, 130, 2435-2446.	1.2	222
9	Integrins and the actin cytoskeleton. <i>Current Opinion in Cell Biology</i> , 2007, 19, 43-50.	2.6	202
10	Integrin-dependent anchoring of a stem-cell niche. <i>Nature Cell Biology</i> , 2007, 9, 1413-1418.	4.6	196
11	The 'Spectraplakins': cytoskeletal giants with characteristics of both spectrin and plakin families. <i>Journal of Cell Science</i> , 2002, 115, 4215-4225.	1.2	152
12	Functional screening in Drosophila identifies Alzheimer's disease susceptibility genes and implicates Tau-mediated mechanisms. <i>Human Molecular Genetics</i> , 2014, 23, 870-877.	1.4	147
13	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, 1271-1282.	2.3	146
14	The Drosophila RASSF Homolog Antagonizes the Hippo Pathway. <i>Current Biology</i> , 2006, 16, 2459-2465.	1.8	144
15	Integrins as Mediators of Morphogenesis in Drosophila. <i>Developmental Biology</i> , 2000, 223, 1-16.	0.9	137
16	Developmentally regulated alternative splicing of Drosophila integrin PS2 $\beta$ transcripts. <i>Cell</i> , 1989, 59, 185-195.	13.5	136
17	Cell-cell adhesion via the ECM: integrin genetics in fly and worm. <i>Matrix Biology</i> , 2000, 19, 191-201.	1.5	128
18	Drosophila laminins act as key regulators of basement membrane assembly and morphogenesis. <i>Development (Cambridge)</i> , 2009, 136, 4165-4176.	1.2	124

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19	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, 601-606.	4.6	112
20	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.	0.9	110
21	Extracellular Matrix in Development: Insights from Mechanisms Conserved between Invertebrates and Vertebrates. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a005082-a005082.	2.3	104
22	Novel Functions for Integrins in Epithelial Morphogenesis. <i>Current Biology</i> , 2004, 14, 381-385.	1.8	103
23	Integrins hold <i>Drosophila</i> together. <i>BioEssays</i> , 1993, 15, 383-390.	1.2	98
24	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.	1.8	93
25	Alternative Mechanisms for Talin to Mediate Integrin Function. <i>Current Biology</i> , 2015, 25, 847-857.	1.8	91
26	Morphogenesis in the absence of integrins: mutation of both <i>Drosophila</i> $\beta^2$ subunits prevents midgut migration. <i>Development (Cambridge)</i> , 2004, 131, 5405-5415.	1.2	86
27	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, 633-642.	1.2	85
28	Tensin Stabilizes Integrin Adhesive Contacts in <i>Drosophila</i> . <i>Developmental Cell</i> , 2004, 6, 357-369.	3.1	76
29	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, 1061-1071.	1.2	75
30	A Screen to Identify <i>Drosophila</i> Genes Required for Integrin-Mediated Adhesion. <i>Genetics</i> , 1998, 150, 791-805.	1.2	70
31	The integrin adhesion complex changes its composition and function during morphogenesis of an epithelium. <i>Journal of Cell Science</i> , 2009, 122, 4363-4374.	1.2	68
32	Grainy head promotes expression of septate junction proteins and influences epithelial morphogenesis. <i>Journal of Cell Science</i> , 2008, 121, 747-752.	1.2	67
33	Integrin-independent repression of cadherin transcription by talin during axis formation in <i>Drosophila</i> . <i>Nature Cell Biology</i> , 2005, 7, 510-516.	4.6	66
34	Dynamic microtubules produce an asymmetric E-cadherin-Bazooka complex to maintain segment boundaries. <i>Journal of Cell Biology</i> , 2013, 201, 887-901.	2.3	66
35	Filopodia-like Actin Cables Position Nuclei in Association with Perinuclear Actin in <i>Drosophila</i> Nurse Cells. <i>Developmental Cell</i> , 2013, 26, 604-615.	3.1	64
36	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, 3937-3948.	1.2	62

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37	Maintaining epithelial integrity. <i>Journal of Cell Biology</i> , 2003, 162, 1305-1315.	2.3	59
38	Focal adhesion kinase is not required for integrin function or viability in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2004, 131, 5795-5805.	1.2	58
39	Mammalian CD2 Is an Effective Heterologous Marker of the Cell Surface in <i>Drosophila</i> . <i>Developmental Biology</i> , 1995, 168, 689-693.	0.9	56
40	Multiple factors contribute to integrin-talin interactions in vivo. <i>Journal of Cell Science</i> , 2006, 119, 1632-1644.	1.2	56
41	Genetic Analysis of the <i>Drosophila</i> $\alpha$ PS2 Integrin Subunit Reveals Discrete Adhesive, Morphogenetic and Sarcomeric Functions. <i>Genetics</i> , 1998, 148, 1127-1142.	1.2	55
42	Modulation of Integrin Activity is Vital for Morphogenesis. <i>Journal of Cell Biology</i> , 1998, 141, 1073-1081.	2.3	54
43	The many faces of cell adhesion during <i>Drosophila</i> muscle development. <i>Developmental Biology</i> , 2015, 401, 62-74.	0.9	54
44	Cell adhesion in <i>Drosophila</i> : versatility of cadherin and integrin complexes during development. <i>Current Opinion in Cell Biology</i> , 2012, 24, 702-712.	2.6	53
45	Integrin intracellular machinery in action. <i>Experimental Cell Research</i> , 2019, 378, 226-231.	1.2	53
46	Microtubule organization is determined by the shape of epithelial cells. <i>Nature Communications</i> , 2016, 7, 13172.	5.8	52
47	Specific tracheal migration is mediated by complementary expression of cell surface proteins. <i>Genes and Development</i> , 2001, 15, 1554-1562.	2.7	51
48	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.	1.8	50
49	Downstream of Identity Genes: Muscle-Type-Specific Regulation of the Fusion Process. <i>Developmental Cell</i> , 2010, 19, 317-328.	3.1	48
50	<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, 1156-1166.	1.2	48
51	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, 328-339.	0.9	47
52	Anchors and Signals. <i>Current Topics in Developmental Biology</i> , 2015, 112, 233-272.	1.0	44
53	Talin in mechanotransduction and mechanomemory at a glance. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	43
54	A central multifunctional role of integrin-linked kinase at muscle attachment sites. <i>Journal of Cell Science</i> , 2011, 124, 1316-1327.	1.2	40

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55	Isolation and characterization of the <i>Drosophila</i> translational elongation factor 2 gene. <i>Nucleic Acids Research</i> , 1989, 17, 7303-7314.	6.5	39
56	<i>Drosophila</i> p120catenin is critical for endocytosis of the dynamic E-cadherin-Bazooka complex. <i>Journal of Cell Science</i> , 2016, 129, 477-82.	1.2	35
57	<i>Drosophila</i> 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.	1.2	33
58	Evidence for the mechanosensor function of filamin in tissue development. <i>Scientific Reports</i> , 2016, 6, 32798.	1.6	29
59	Directly e-mailing authors of newly published papers encourages community curation. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas024.	1.4	27
60	FlyPhoneDB: an integrated web-based resource for cell-cell communication prediction in <i>Drosophila</i> . <i>Genetics</i> , 2022, 220, .	1.2	25
61	Mutations in the <i>Drosophila</i> $\alpha$ PS2 integrin subunit uncover new features of adhesion site assembly. <i>Developmental Biology</i> , 2007, 308, 294-308.	0.9	24
62	Integrin Adhesion: When Is a Kinase a Kinase?. <i>Current Biology</i> , 2002, 12, R350-R351.	1.8	23
63	Novel functions for integrin-associated proteins revealed by analysis of myofibril attachment in <i>Drosophila</i> . <i>ELife</i> , 2018, 7, .	2.8	23
64	The <i>Drosophila</i> phenotype ontology. <i>Journal of Biomedical Semantics</i> , 2013, 4, 30.	0.9	22
65	Integrin-Mediated Adhesion in the Unicellular Holozoan <i>Capsaspora owczarzaki</i> . <i>Current Biology</i> , 2020, 30, 4270-4275.e4.	1.8	20
66	Nuclear positioning by actin cables and perinuclear actin. <i>Nucleus</i> , 2014, 5, 219-223.	0.6	17
67	Integrin signaling downregulates filopodia in muscle-tendon attachment. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	14
68	An integrin chicken and egg problem: which comes first, the extracellular matrix or the cytoskeleton?. <i>Current Opinion in Cell Biology</i> , 2000, 12, 629-633.	2.6	12
69	Spectraplakins. <i>Current Biology</i> , 2014, 24, R307-R308.	1.8	12
70	Spectraplakins: The Cytoskeleton's Swiss Army Knife. <i>Cell</i> , 2008, 135, 16-18.	18.5	11
71	Diverse integrin adhesion stoichiometries caused by varied actomyosin activity. <i>Open Biology</i> , 2017, 7, 160250.	1.5	8
72	Integrins and morphogenesis. <i>Development (Cambridge)</i> , 1993, 119, 177-183.	1.2	6

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73	Building a pipeline to solicit expert knowledge from the community to aid gene summary curation. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	1.4	5
74	Reducing Integrins Improves the Quality of Fly Life. Science of Aging Knowledge Environment: SAGE KE, 2003, 2003, 28pe-28.	0.9	0
75	Drosophila p120-catenin is crucial for endocytosis of the dynamic E-cadherinâ€“Bazooka complex. Development (Cambridge), 2016, 143, e1.1-e1.1.	1.2	0