

Maria Dolores Martin-Bermudo

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,665
citations

304368

22
h-index

329751

37
g-index

54
all docs

54
docs citations

54
times ranked

1695
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrins as Mediators of Morphogenesis in <i>Drosophila</i> . <i>Developmental Biology</i> , 2000, 223, 1-16.	0.9	137
2	<i>Drosophila</i> laminins act as key regulators of basement membrane assembly and morphogenesis. <i>Development (Cambridge)</i> , 2009, 136, 4165-4176.	1.2	124
3	Absence of PS Integrins or Laminin A Affects Extracellular Adhesion, but Not Intracellular Assembly, of Hemidherens and Neuromuscular Junctions in <i>Drosophila</i> Embryos. <i>Developmental Biology</i> , 1998, 196, 58-76.	0.9	110
4	Scutoids are a geometrical solution to three-dimensional packing of epithelia. <i>Nature Communications</i> , 2018, 9, 2960.	5.8	98
5	<i>o</i> planin-mediated basal constriction is essential for optic cup morphogenesis. <i>Development (Cambridge)</i> , 2009, 136, 2165-2175.	1.2	84
6	Integrin Signaling Regulates Spindle Orientation in <i>Drosophila</i> to Preserve the Follicular-Epithelium Monolayer. <i>Current Biology</i> , 2007, 17, 683-688.	1.8	83
7	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
8	Specificity of PS integrin function during embryogenesis resides in the alpha subunit extracellular domain. <i>EMBO Journal</i> , 1997, 16, 4184-4193.	3.5	73
9	Uncoupling integrin adhesion and signaling: the beta PS cytoplasmic domain is sufficient to regulate gene expression in the <i>Drosophila</i> embryo. <i>Genes and Development</i> , 1999, 13, 729-739.	2.7	70
10	Neurotactin Functions in Concert with Other Identified CAMs in Growth Cone Guidance in <i>Drosophila</i> . <i>Neuron</i> , 1998, 20, 221-233.	3.8	65
11	Multiple factors contribute to integrin-talin interactions in vivo. <i>Journal of Cell Science</i> , 2006, 119, 1632-1644.	1.2	56
12	Modulation of Integrin Activity is Vital for Morphogenesis. <i>Journal of Cell Biology</i> , 1998, 141, 1073-1081.	2.3	54
13	Intracellular signals direct integrin localization to sites of function in embryonic muscles. <i>Journal of Cell Biology</i> , 1996, 134, 217-226.	2.3	52
14	Specific tracheal migration is mediated by complementary expression of cell surface proteins. <i>Genes and Development</i> , 2001, 15, 1554-1562.	2.7	51
15	Dissection of Nidogen function in <i>Drosophila</i> reveals tissue-specific mechanisms of basement membrane assembly. <i>PLoS Genetics</i> , 2018, 14, e1007483.	1.5	47
16	Laminin Levels Regulate Tissue Migration and Anterior-Posterior Polarity during Egg Morphogenesis in <i>Drosophila</i> . <i>Cell Reports</i> , 2017, 20, 211-223.	2.9	42
17	The GEF Vav regulates guided cell migration by coupling guidance receptor signalling to local Rac activation. <i>Journal of Cell Science</i> , 2013, 126, 2285-93.	1.2	39
18	PS Integrins and Laminins: Key Regulators of Cell Migration during <i>Drosophila</i> Embryogenesis. <i>PLoS ONE</i> , 2011, 6, e23893.	1.1	36

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19	ECM-Regulator timp Is Required for Stem Cell Niche Organization and Cyst Production in the <i>Drosophila</i> Ovary. <i>PLoS Genetics</i> , 2016, 12, e1005763.	1.5	33
20	<i>Drosophila</i> Embryonic Hemocytes Produce Laminins to Strengthen Migratory Response. <i>Cell Reports</i> , 2017, 21, 1461-1470.	2.9	33
21	The Guanine Exchange Factor <i>vav</i> Controls Axon Growth and Guidance during <i>Drosophila</i> Development. <i>Journal of Neuroscience</i> , 2010, 30, 2257-2267.	1.7	27
22	A dual role for the β PS integrin <i>mysospheroid</i> in mediating <i>Drosophila</i> embryonic macrophage migration. <i>Journal of Cell Science</i> , 2013, 126, 3475-84.	1.2	27
23	Myosin light-chain phosphatase regulates basal actomyosin oscillations during morphogenesis. <i>Nature Communications</i> , 2016, 7, 10746.	5.8	27
24	Integrins regulate epithelial cell shape by controlling the architecture and mechanical properties of basal actomyosin networks. <i>PLoS Genetics</i> , 2020, 16, e1008717.	1.5	26
25	The Ste20 kinase <i>misshapen</i> is essential for the invasive behaviour of ovarian epithelial cells in <i>Drosophila</i> . <i>EMBO Reports</i> , 2010, 11, 943-949.	2.0	23
26	Phylogenetic conservation of the regulatory and functional properties of the Vav oncoprotein family. <i>Experimental Cell Research</i> , 2005, 308, 364-380.	1.2	22
27	A role for the chaperone Hsp70 in the regulation of border cell migration in the <i>Drosophila</i> ovary. <i>Mechanisms of Development</i> , 2008, 125, 1048-1058.	1.7	22
28	Integrins contribute to the establishment and maintenance of cell polarity in the follicular epithelium of the <i>Drosophila</i> ovary. <i>International Journal of Developmental Biology</i> , 2008, 52, 925-932.	0.3	22
29	The conserved transmembrane proteoglycan <i>Perdido/Kon-tiki</i> is essential for myofibrillogenesis and sarcomeric structure in <i>Drosophila</i> . <i>Journal of Cell Science</i> , 2014, 127, 3162-73.	1.2	21
30	Alpha-Spectrin and Integrins act together to regulate actomyosin and columnarization, and to maintain a mono-layered follicular epithelium. <i>Development (Cambridge)</i> , 2016, 143, 1388-99.	1.2	20
31	Integrins regulate epithelial cell differentiation by modulating Notch activity. <i>Journal of Cell Science</i> , 2014, 127, 4667-78.	1.2	19
32	The <i>vav</i> oncogene antagonises EGFR signalling and regulates adherens junction dynamics during <i>Drosophila</i> eye development. <i>Development (Cambridge)</i> , 2015, 142, 1492-501.	1.2	13
33	The careful control of Polo kinase by APC/C-Ube2C ensures the intercellular transport of germline centrosomes during <i>Drosophila</i> oogenesis. <i>Open Biology</i> , 2021, 11, 200371.	1.5	8
34	DrosAfrica: Building an African biomedical research community using <i>Drosophila</i> . <i>Seminars in Cell and Developmental Biology</i> , 2017, 70, 58-64.	2.3	6
35	The basement membrane controls size and integrity of the <i>Drosophila</i> tracheal tubes. <i>Cell Reports</i> , 2022, 39, 110734.	2.9	6
36	EGFRAP encodes a new negative regulator of the EGFR acting in both normal and oncogenic EGFR/Ras-driven tissue morphogenesis. <i>PLoS Genetics</i> , 2021, 17, e1009738.	1.5	5

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37	LanB1 Cooperates With Kon-Tiki During Embryonic Muscle Migration in Drosophila. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 749723.	1.8	3
38	A coarse-grained approach to model the dynamics of the actomyosin cortex. <i>BMC Biology</i> , 2022, 20, 90.	1.7	2
39	Integrins Cooperate With the EGFR/Ras Pathway to Preserve Epithelia Survival and Architecture in Development and Oncogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
40	The conserved transmembrane proteoglycan Perdido/Kon-tiki is essential for myofibrillogenesis and sarcomeric structure in Drosophila. <i>Development (Cambridge)</i> , 2014, 141, e1506-e1506.	1.2	0
41	Î±-Spectrin and integrins act together to regulate actomyosin and columnarization, and to maintain a monolayered follicular epithelium. <i>Journal of Cell Science</i> , 2016, 129, e1.2-e1.2.	1.2	0
42	Title is missing!. , 2020, 16, e1008717.		0
43	Title is missing!. , 2020, 16, e1008717.		0
44	Title is missing!. , 2020, 16, e1008717.		0
45	Title is missing!. , 2020, 16, e1008717.		0
46	Title is missing!. , 2020, 16, e1008717.		0
47	Title is missing!. , 2020, 16, e1008717.		0
48	Analysis of Actomyosin Oscillatory Dynamics Using a Coarse-Grained Model. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	0