Isabel Guerrero

List of Publications by Year
in descending order

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68	4,971	94433	106344
papers	citations	37 h-index	65 g-index

74	74	74	3321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Targeted expression of the signaling molecule decapentaplegic induces pattern duplications and growth alterations in Drosophila wings.. EMBO Journal, 1994, 13, 4459-4468.	7.8	430
2	A protein with several possible membrane-spanning domains encoded by the Drosophila segment polarity gene patched. Nature, 1989, 341, 508-513.	27.8	343
3	Cytonemes are required for the establishment of a normal Hedgehog morphogen gradient in Drosophila epithelia. Nature Cell Biology, 2013, 15, 1269-1281.	10.3	217
4	Differential expression of the ras gene family in mice.. Molecular and Cellular Biology, 1987, 7, 1535-1540.	2.3	204
5	The Drosophila segment polarity gene patched interacts with decapentaplegic in wing development.. EMBO Journal, 1994, 13, 71-82.	7.8	195
6	Activation of a c-K-ras oncogene by somatic mutation in mouse lymphomas induced by gamma radiation. Science, 1984, 225, 1159-1162.	12.6	191
7	A molecular approach to leukemogenesis: mouse lymphomas contain an activated c-ras oncogene.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 202-205.	7.1	180
8	Exosomes as Hedgehog carriers in cytoneme-mediated transport and secretion. Nature Communications, 2014, 5, 5649.	12.8	169
9	The sterol-sensing domain of Patched protein seems to control Smoothened activity through Patched vesicular trafficking. Current Biology, 2001, 11, 601-607.	3.9	166
10	Patched controls the Hedgehog gradient by endocytosis in a dynamin-dependent manner, but this internalization does not play a major role in signal transduction. Development (Cambridge), 2004, 131, 2395-2408.	2.5	155
11	The homeobox gene Distal-less induces ventral appendage development inâ€‰Drosophila. Genes and Development, 1997, 11, 2259-2271.	5.9	154
12	Cytoneme-Mediated Delivery of Hedgehog Regulates the Expression of Bone Morphogenetic Proteins to Maintain Germline Stem Cells in Drosophila. PLoS Biology, 2012, 10, e1001298.	5.6	151
13	Dispatched mediates Hedgehog basolateral release to form the long-range morphogenetic gradient in the Drosophila wing disk epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12591-12598.	7.1	150
14	Activated N-ras gene induces neuronal differentiation of PC12 rat pheochromocytoma cells. Journal of Cellular Physiology, 1986, 129, 71-76.	4.1	143
15	Hedgehog lipid modifications are required for Hedgehog stabilization in the extracellular matrix. Development (Cambridge), 2006, 133, 471-483.	2.5	124
16	The Drosophila Ortholog of the Human Wnt Inhibitor Factor Shifted Controls the Diffusion of Lipid-Modified Hedgehog. Developmental Cell, 2005, 8, 241-253.	7.0	112
17	Loss of the normal N-ras allele in a mouse thymic lymphoma induced by a chemical carcinogen.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 7810-7814.	7.1	100
18	Mutational activation of oncogenes in animal model systems of carcinogenesis (MTR 07217). Mutation Research - Reviews in Genetic Toxicology, 1987, 185, 293-308.	2.9	99

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19	Cytoneme-mediated cell-cell contacts for Hedgehog reception. ELife, 2017, 6, .	6.0	94
20	SFRPs act as negative modulators of ADAM10 to regulate retinal neurogenesis. Nature Neuroscience, 2011, 14, 562-569.	14.8	86
21	A conserved mechanism of Hedgehog gradient formation by lipid modifications. Trends in Cell Biology, 2007, 17, 1-5.	7.9	82
22	Secreted frizzled-related proteins are required for Wnt/Î²-catenin signalling activation in the vertebrate optic cup. Development (Cambridge), 2011, 138, 4179-4184.	2.5	79
23	Patched, the receptor of Hedgehog, is a lipoprotein receptor. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 912-917.	7.1	75
24	Mechanisms of Hedgehog gradient formation and interpretation. Journal of Neurobiology, 2005, 64, 334-356.	3.6	73
25	Dissociation of c-fos from ODC expression and neuronal differentiation in a PC12 subline stably transfected with an inducible N-ras oncogene. Biochemical and Biophysical Research Communications, 1988, 150, 1185-1192.	2.1	69
26	The development of theDrosophilagenital disc. BioEssays, 2001, 23, 698-707.	2.5	66
27	Balancing Hedgehog, a retention and release equilibrium given by Dally, Ihog, Boi and shifted/DmWif. Developmental Biology, 2013, 376, 198-212.	2.0	65
28	Concomitant K- and N-ras gene point mutations in clonal murine lymphoma.. Molecular and Cellular Biology, 1988, 8, 2233-2236.	2.3	64
29	The cytoneme connection: direct long-distance signal transfer during development. Development (Cambridge), 2019, 146, .	2.5	61
30	The fu gene discriminates between pathways to control dpp expression in Drosophila imaginal discs. Mechanisms of Development, 1996, 55, 159-170.	1.7	59
31	Drosophila terminalia as an appendage-like structure. Mechanisms of Development, 1999, 86, 113-123.	1.7	55
32	Cytoneme-mediated cell-to-cell signaling during development. Cell and Tissue Research, 2013, 352, 59-66.	2.9	55
33	Cdon acts as a Hedgehog decoy receptor during proximal-distal patterning of the optic vesicle. Nature Communications, 2014, 5, 4272.	12.8	52
34	Morphogenetic action through flux-limited spreading. Physics of Life Reviews, 2013, 10, 457-475.	2.8	51
35	The genital disc of Drosophila melanogaster .. Development Genes and Evolution, 1997, 207, 216-228.	0.9	50
36	Isolation, characterization, and chromosome assignment of mouse N-ras gene from carcinogen-induced thymic lymphoma. Science, 1984, 225, 1041-1043.	12.6	44

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37	The genital disc of Drosophila melanogaster. Development Genes and Evolution, 1997, 207, 229-241.	0.9	43
38	The Drosophila Polycomb group gene Sex combs extra encodes the ortholog of mammalian Ring1 proteins. Mechanisms of Development, 2004, 121, 449-462.	1.7	42
39	Hedgehog on the move: a precise spatial control of Hedgehog dispersion shapes the gradient. Current Opinion in Genetics and Development, 2013, 23, 363-373.	3.3	42
40	DEVELOPMENT: Longing for Ligand: Hedgehog, Patched, and Cell Death. Science, 2003, 301, 774-776.	12.6	36
41	A Gain-of-Function Mutant of patched Dissects Different Responses to the Hedgehog Gradient. Developmental Biology, 2000, 228, 211-224.	2.0	35
42	Hedgehog and its circuitous journey from producing to target cells. Seminars in Cell and Developmental Biology, 2014, 33, 52-62.	5.0	35
43	Unrestricted expression of the Drosophila gene patched allows a normal segment polarity. Nature, 1991, 353, 187-190.	27.8	34
44	Functional characterization of human mesenchymal stem cells that maintain osteochondral fates. Journal of Cellular Biochemistry, 2006, 98, 1457-1470.	2.6	30
45	Polarized sorting of Patched enables cytonemeâ€mediated Hedgehog reception in the Drosophila wing disc. EMBO Journal, 2020, 39, e103629.	7.8	28
46	Developmental consequences of unrestricted expression of the abd-A gene of Drosophila. Mechanisms of Development, 1994, 46, 153-167.	1.7	23
47	Development of theDrosophilagenital disc requires interactions between its segmental primordia. Development (Cambridge), 2003, 130, 295-305.	2.5	18
48	The WIF domain of the human and Drosophila Wif-1 secreted factors confers specificity for Wnt or Hedgehog. Development (Cambridge), 2012, 139, 3849-3858.	2.5	18
49	Oncogene activation and surface markers in mouse lymphomas induced by radiation and nitrosomethylurea. Leukemia Research, 1986, 10, 851-858.	0.8	16
50	In Vivo Imaging of Hedgehog Transport in Drosophila Epithelia. Methods in Molecular Biology, 2015, 1322, 9-18.	0.9	15
51	Glypicans define unique roles for the Hedgehog co-receptors boi and ihog in cytoneme-mediated gradient formation. ELife, 2021, 10, .	6.0	14
52	Lines is required for normal operation of Wingless, Hedgehog and Notch pathways during wing development. Development (Cambridge), 2009, 136, 1211-1221.	2.5	12
53	Perspectives on Intra- and Intercellular Trafficking of Hedgehog for Tissue Patterning. Journal of Developmental Biology, 2016, 4, 34.	1.7	12
54	The Transcription Factor Optomotor-Blind Antagonizes Drosophila Haltere Growth by Repressing Decapentaplegic and Hedgehog Targets. PLoS ONE, 2015, 10, e0121239.	2.5	10

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55	Improving the understanding of cytoneme-mediated morphogen gradients by in silico modeling. PLoS Computational Biology, 2021, 17, e1009245.	3.2	8
56	From intra- to extracellular vesicles: extracellular vesicles in developmental signalling. Essays in Biochemistry, 2018, 62, 215-223.	4.7	7
57	DrosophilaZic family member odd-paired is needed for adult post-ecdysis maturation. Open Biology, 2019, 9, 190245.	3.6	5
58	Fractionation by micrococcal nuclease digestion of Drosophila embryo chromatin: isolation of a fraction enriched in two major nonhistone proteins. Cell Differentiation, 1983, 12, 307-316.	0.4	4
59	Modeling Hedgehog Signaling Through Flux-Saturated Mechanisms. Methods in Molecular Biology, 2015, 1322, 19-33.	0.9	3
60	Hedgehog on track: Long-distant signal transport and transfer through direct cell-to-cell contact. Current Topics in Developmental Biology, 2022, , 1-24.	2.2	3
61	Dally-like Is Unlike Dally in Assisting Wingless Spread. Developmental Cell, 2020, 54, 572-573.	7.0	2
62	Detecting Tagged Hedgehog with Intracellular and Extracellular Immunocytochemistry for Functional Analysis. Methods in Molecular Biology, 2007, 397, 91-103.	0.9	2
63	The Patched Receptor. , 2006, , 23-33.		2
64	Proto-oncogenes in pattern formation. Trends in Genetics, 1987, 3, 269-271.	6.7	1
65	On flux-limited morphogenesis. Physics of Life Reviews, 2013, 10, 495-497.	2.8	1
66	Frontiers in hedgehog signal transduction. Seminars in Cell and Developmental Biology, 2014, 33, 50-51.	5.0	1
67	Single-Base Mutations Associated with Mouse Lymphomas. , 1986, 39, 313-322.		0
68	Detecting Tagged Hedgehog with Intracellular and Extracellular Immunocytochemistry for Functional Analysis. , 0, , 91-104.		0