

Mariann Bienz

List of Publications by Year in descending order

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81
papers

9,956
citations

43973

48
h-index

64668

79
g-index

146
all docs

146
docs citations

146
times ranked

9480
citing authors

#	ARTICLE	IF	CITATIONS
1	Linking Colorectal Cancer to Wnt Signaling. <i>Cell</i> , 2000, 103, 311-320.	13.5	1,386
2	Wnt Induces LRP6 Signalosomes and Promotes Dishevelled-Dependent LRP6 Phosphorylation. <i>Science</i> , 2007, 316, 1619-1622.	6.0	774
3	LEF-1, a Nuclear Factor Coordinating Signaling Inputs from wingless and decapentaplegic. <i>Cell</i> , 1997, 88, 777-787.	13.5	414
4	The DIX domain of Dishevelled confers Wnt signaling by dynamic polymerization. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 484-492.	3.6	365
5	Induction across germ layers in <i>Drosophila</i> mediated by a genetic cascade. <i>Cell</i> , 1990, 62, 261-268.	13.5	353
6	<i>Drosophila</i> CBP represses the transcription factor TCF to antagonize Wingless signalling. <i>Nature</i> , 1998, 395, 521-525.	13.7	353
7	The PHD finger, a nuclear protein-interaction domain. <i>Trends in Biochemical Sciences</i> , 2006, 31, 35-40.	3.7	351
8	The APC tumour suppressor has a nuclear export function. <i>Nature</i> , 2000, 406, 1009-1012.	13.7	317
9	β -Catenin: A Pivot between Cell Adhesion and Wnt Signalling. <i>Current Biology</i> , 2005, 15, R64-R67.	1.8	268
10	A Role of Dishevelled in Relocating Axin to the Plasma Membrane during Wingless Signaling. <i>Current Biology</i> , 2003, 13, 960-966.	1.8	263
11	A new nuclear component of the Wnt signalling pathway. <i>Nature Cell Biology</i> , 2002, 4, 367-373.	4.6	260
12	The subcellular destinations of apc proteins. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 328-338.	16.1	221
13	Dynamic recruitment of axin by Dishevelled protein assemblies. <i>Journal of Cell Science</i> , 2007, 120, 2402-2412.	1.2	195
14	Pygopus and Legless target Armadillo/ β -catenin to the nucleus to enable its transcriptional co-activator function. <i>Nature Cell Biology</i> , 2004, 6, 626-633.	4.6	193
15	Dishevelled interacts with the DIX domain polymerization interface of Axin to interfere with its function in down-regulating β -catenin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1937-1942.	3.3	185
16	The Wnt signalling effector Dishevelled forms dynamic protein assemblies rather than stable associations with cytoplasmic vesicles. <i>Journal of Cell Science</i> , 2005, 118, 5269-5277.	1.2	184
17	Decoding of Methylated Histone H3 Tail by the Pygo-BCL9 Wnt Signaling Complex. <i>Molecular Cell</i> , 2008, 30, 507-518.	4.5	166
18	Nuclear export of the APC tumour suppressor controls β -catenin function in transcription. <i>EMBO Journal</i> , 2003, 22, 1101-1113.	3.5	160

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19	Inhibition of GSK3 by Wnt signalling – two contrasting models. <i>Journal of Cell Science</i> , 2011, 124, 3537-3544.	1.2	158
20	Multiprotein complexes governing Wnt signal transduction. <i>Current Opinion in Cell Biology</i> , 2018, 51, 42-49.	2.6	155
21	Armadillo/ β^2 -catenin signals in the nucleus – proof beyond a reasonable doubt?. <i>Nature Cell Biology</i> , 2003, 5, 179-182.	4.6	142
22	TCF: transcriptional activator or repressor?. <i>Current Opinion in Cell Biology</i> , 1998, 10, 366-372.	2.6	135
23	Wnt Signalosome Assembly by DEP Domain Swapping of Dishevelled. <i>Molecular Cell</i> , 2016, 64, 92-104.	4.5	125
24	An ankyrin-repeat ubiquitin-binding domain determines TRABID's specificity for atypical ubiquitin chains. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 62-71.	3.6	122
25	The APC Tumor Suppressor Binds to C-Terminal Binding Protein to Divert Nuclear β^2 -Catenin from TCF. <i>Developmental Cell</i> , 2004, 7, 677-685.	3.1	120
26	A new Drosophila APC homologue associated with adhesive zones of epithelial cells. <i>Nature Cell Biology</i> , 1999, 1, 144-151.	4.6	113
27	Trabid, a new positive regulator of Wnt-induced transcription with preference for binding and cleaving K63-linked ubiquitin chains. <i>Genes and Development</i> , 2008, 22, 528-542.	2.7	111
28	Signalosome assembly by domains undergoing dynamic head-to-tail polymerization. <i>Trends in Biochemical Sciences</i> , 2014, 39, 487-495.	3.7	111
29	An intrinsically labile β^2 -helix abutting the BCL9-binding site of β^2 -catenin is required for its inhibition by carnosic acid. <i>Nature Communications</i> , 2012, 3, 680.	5.8	102
30	Specification of a single cell type by a Drosophila homeotic gene. <i>Cell</i> , 1994, 76, 689-702.	13.5	97
31	The function of BCL9 in Wnt/ β^2 -catenin signaling and colorectal cancer cells. <i>BMC Cancer</i> , 2008, 8, 199.	1.1	96
32	Transcriptional silencing of homeotic genes in Drosophila. <i>BioEssays</i> , 1995, 17, 775-784.	1.2	95
33	Stability elements in the LRP6 cytoplasmic tail confer efficient signalling upon DIX-dependent polymerization. <i>Journal of Cell Science</i> , 2010, 123, 1588-1599.	1.2	94
34	APC: the plot thickens. <i>Current Opinion in Genetics and Development</i> , 1999, 9, 595-603.	1.5	91
35	Pygopus Residues Required for its Binding to Legless Are Critical for Transcription and Development. <i>Journal of Biological Chemistry</i> , 2004, 279, 5177-5183.	1.6	74
36	Adenomatous polyposis coli proteins and cell adhesion. <i>Current Opinion in Cell Biology</i> , 2004, 16, 528-535.	2.6	71

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37	A <i>Drosophila</i> APC tumour suppressor homologue functions in cellular adhesion. <i>Nature Cell Biology</i> , 2002, 4, 208-213.	4.6	70
38	Constitutive scaffolding of multiple Wnt enhanceosome components by Legless/BCL9. <i>ELife</i> , 2017, 6, .	2.8	69
39	Spindles cotton on to junctions, APC and EB1. <i>Nature Cell Biology</i> , 2001, 3, E67-E68.	4.6	67
40	Essential role of the Dishevelled DEP domain in a Wnt-dependent human-cell-based complementation assay. <i>Journal of Cell Science</i> , 2016, 129, 3892-3902.	1.2	65
41	Boosting Wnt activity during colorectal cancer progression through selective hypermethylation of Wnt signaling antagonists. <i>BMC Cancer</i> , 2014, 14, 891.	1.1	64
42	LEF1 and B9L Shield β -Catenin from Inactivation by Axin, Desensitizing Colorectal Cancer Cells to Tankyrase Inhibitors. <i>Cancer Research</i> , 2014, 74, 1495-1505.	0.4	63
43	The Adenomatous polyposis coli tumour suppressor is essential for Axin complex assembly and function and opposes Axin's interaction with Dishevelled. <i>Open Biology</i> , 2011, 1, 110013.	1.5	60
44	Competitive Binding of a Benzimidazole to the Histone-Binding Pocket of the Pygo PHD Finger. <i>ACS Chemical Biology</i> , 2014, 9, 2864-2874.	1.6	60
45	The control of beta-catenin and TCF during embryonic development and cancer. , 1999, 18, 231-246.		56
46	Head-to-Tail Polymerization in the Assembly of Biomolecular Condensates. <i>Cell</i> , 2020, 182, 799-811.	13.5	56
47	DIX Domain Polymerization Drives Assembly of Plant Cell Polarity Complexes. <i>Cell</i> , 2020, 180, 427-439.e12.	13.5	54
48	Endoderm induction in <i>Drosophila</i> : the nuclear targets of the inducing signals. <i>Current Opinion in Genetics and Development</i> , 1997, 7, 683-688.	1.5	53
49	Wingless-Independent Association of Pygopus with dTCF Target Genes. <i>Current Biology</i> , 2007, 17, 556-561.	1.8	52
50	Wnt-Dependent Inactivation of the Groucho/TLE Co-repressor by the HECT E3 Ubiquitin Ligase Hyd/UBR5. <i>Molecular Cell</i> , 2017, 67, 181-193.e5.	4.5	51
51	Ubiquitination of the Dishevelled DIX domain blocks its head-to-tail polymerization. <i>Nature Communications</i> , 2015, 6, 6718.	5.8	50
52	EGF receptor/Rolled MAP kinase signalling protects cells against activated Armadillo in the <i>Drosophila</i> eye. <i>EMBO Reports</i> , 2001, 2, 157-162.	2.0	49
53	An ancient Pygo-dependent Wnt enhanceosome integrated by Chip/LDB-SSDP. <i>ELife</i> , 2015, 4, .	2.8	49
54	Actin-dependent membrane association of a <i>Drosophila</i> epithelial APC protein and its effect on junctional Armadillo. <i>Current Biology</i> , 2000, 10, 1339-1348.	1.8	48

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55	Dvl2 Promotes Intestinal Length and Neoplasia in the <i>Apc</i> <i>Min</i> Mouse Model for Colorectal Cancer. <i>Cancer Research</i> , 2010, 70, 6629-6638.	0.4	48
56	Allosteric Remodelling of the Histone H3 Binding Pocket in the Pygo2 PHD Finger Triggered by Its Binding to the B9L/BCL9 Co-Factor. <i>Journal of Molecular Biology</i> , 2010, 401, 969-984.	2.0	43
57	Limited dishevelled/Axin oligomerization determines efficiency of Wnt/ β^2 -catenin signal transduction. <i>ELife</i> , 2020, 9, .	2.8	41
58	The transcriptional repressor Brinker antagonizes Wingless signaling. <i>Genes and Development</i> , 2002, 16, 1828-1838.	2.7	37
59	Disinhibition of the HECT E3 ubiquitin ligase WWP2 by polymerized Dishevelled. <i>Open Biology</i> , 2015, 5, 150185.	1.5	37
60	Transcriptional repression due to high levels of Wingless signalling. <i>EMBO Journal</i> , 1998, 17, 7021-7032.	3.5	36
61	A role of Pygopus as an anti-repressor in facilitating Wnt-dependent transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19324-19329.	3.3	33
62	Bcl9 and Pygo synergise downstream of Apc to effect intestinal neoplasia in FAP mouse models. <i>Nature Communications</i> , 2019, 10, 724.	5.8	31
63	Ubiquitous expression of a <i>Drosophila</i> adenomatous polyposis coli homolog and its localization in cortical actin caps. <i>Mechanisms of Development</i> , 1999, 84, 69-73.	1.7	26
64	The deubiquitinase TRABID stabilizes the K29/K48-specific E3 ubiquitin ligase HECTD1. <i>Journal of Biological Chemistry</i> , 2021, 296, 100246.	1.6	25
65	Induction of the endoderm in <i>Drosophila</i> . <i>Seminars in Cell and Developmental Biology</i> , 1996, 7, 113-119.	2.3	24
66	Proteogenomics analysis unveils a TFG-RET gene fusion and druggable targets in papillary thyroid carcinomas. <i>Nature Communications</i> , 2020, 11, 2056.	5.8	19
67	Evolutionary Adaptation of the Fly Pygo PHD Finger toward Recognizing Histone H3 Tail Methylated at Arginine 2. <i>Structure</i> , 2013, 21, 2208-2220.	1.6	16
68	A direct heterotypic interaction between the DIX domains of Dishevelled and Axin mediates signaling to β^2 -catenin. <i>Science Signaling</i> , 2019, 12, .	1.6	15
69	An autoregulatory function of Dfos during <i>Drosophila</i> endoderm induction. <i>Mechanisms of Development</i> , 2000, 98, 71-76.	1.7	12
70	Intracellular shuttling of a <i>Drosophila</i> APC tumour suppressor homolog. <i>BMC Cell Biology</i> , 2004, 5, 37.	3.0	10
71	Rotational symmetry of the structured Chip/LDB-SSDP core module of the Wnt enhanceosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20977-20983.	3.3	10
72	Feedback control of Wnt signaling based on ultrastable histidine cluster co-aggregation between Naked/NKD and Axin. <i>ELife</i> , 2020, 9, .	2.8	9

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73	Regulation of Dishevelled DEP domain swapping by conserved phosphorylation sites. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
74	APC. Current Biology, 2003, 13, R215-R216.	1.8	5
75	A Lipid Linchpin for Wnt-Fz Docking. Science, 2012, 337, 44-45.	6.0	5
76	Selective function of the PDZ domain of Dishevelled in noncanonical Wnt signalling. Journal of Cell Science, 2022, 135, .	1.2	3
77	Histone modifications for chromatin dynamics and cellular plasticity. Journal of Molecular Biology, 2017, 429, 1921-1923.	2.0	2
78	The role of an upstream sequence in the transcription of a human transfer RNA gene. Biochemical Society Transactions, 1985, 13, 754-754.	1.6	1
79	Sexist ads. Nature, 1986, 321, 106-106.	13.7	1
80	Studies on a human tRNA gene. Biochemical Society Transactions, 1984, 12, 282-282.	1.6	0
81	1P018 Structural basis of dynamic polymerization of DIX domains: a revised model of Wnt signaling(Proteins-structure and structure-function relationship,Oral Presentations). Seibutsu Butsuru, 2007, 47, S28.	0.0	0