

Alexandra M Schambony

List of Publications by Year in descending order

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43
papers

2,137
citations

279798

23
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254184

43
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48
all docs

48
docs citations

48
times ranked

3368
citing authors

#	ARTICLE	IF	CITATIONS
1	Wnt-5A/Ror2 Regulate Expression of XPAPC through an Alternative Noncanonical Signaling Pathway. <i>Developmental Cell</i> , 2007, 12, 779-792.	7.0	252
2	Wnt/ β -catenin signaling requires interaction of the Dishevelled DEP domain and C terminus with a discontinuous motif in Frizzled. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E812-20.	7.1	172
3	beta-Arrestin is a necessary component of Wnt/beta-catenin signaling in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6690-6695.	7.1	140
4	Paraxial protocadherin coordinates cell polarity during convergent extension via Rho A and JNK. <i>EMBO Journal</i> , 2004, 23, 3259-3269.	7.8	138
5	Interferometric scattering microscopy reveals microsecond nanoscopic protein motion on a live cell membrane. <i>Nature Photonics</i> , 2019, 13, 480-487.	31.4	125
6	Gap junction protein Connexin-43 is a direct transcriptional regulator of N-cadherin in vivo. <i>Nature Communications</i> , 2018, 9, 3846.	12.8	115
7	The Extracellular Domain of Lrp5/6 Inhibits Noncanonical Wnt Signaling In Vivo. <i>Molecular Biology of the Cell</i> , 2009, 20, 924-936.	2.1	96
8	Waif1/5T4 Inhibits Wnt/ β -Catenin Signaling and Activates Noncanonical Wnt Pathways by Modifying LRP6 Subcellular Localization. <i>Developmental Cell</i> , 2011, 21, 1129-1143.	7.0	82
9	Pgam5 released from damaged mitochondria induces mitochondrial biogenesis via Wnt signaling. <i>Journal of Cell Biology</i> , 2018, 217, 1383-1394.	5.2	73
10	β -Arrestin and casein kinase 1/2 define distinct branches of non-canonical WNT signalling pathways. <i>EMBO Reports</i> , 2008, 9, 1244-1250.	4.5	71
11	ROR-Family Receptor Tyrosine Kinases. <i>Current Topics in Developmental Biology</i> , 2017, 123, 105-142.	2.2	69
12	Negative regulation of Wnt signaling mediated by CK1-phosphorylated Dishevelled via Ror2. <i>FASEB Journal</i> , 2010, 24, 2417-2426.	0.5	68
13	Cross-regulation of Wnt signaling and cell adhesion. <i>Differentiation</i> , 2004, 72, 307-318.	1.9	55
14	Functional Analysis of Dishevelled-3 Phosphorylation Identifies Distinct Mechanisms Driven by Casein Kinase 1 μ and Frizzled5. <i>Journal of Biological Chemistry</i> , 2014, 289, 23520-23533.	3.4	50
15	Structural and Functional Characterization of the Wnt Inhibitor APC Membrane Recruitment 1 (Amer1). <i>Journal of Biological Chemistry</i> , 2011, 286, 19204-19214.	3.4	49
16	Isothiocyanate-functionalized RGD peptides for tailoring cell-adhesive surface patterns. <i>Biomaterials</i> , 2008, 29, 3004-3013.	11.4	45
17	Biochemical and conformational characterisation of HSP-3, a stallion seminal plasma protein of the cysteine-rich secretory protein (CRISP) family. <i>FEBS Letters</i> , 1997, 420, 179-185.	2.8	39
18	Molecular characterization of the equine testis-specific protein 1 (TPX1) and acidic epididymal glycoprotein 2 (AEG2) genes encoding members of the cysteine-rich secretory protein (CRISP) family. <i>Gene</i> , 2002, 299, 101-109.	2.2	31

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19	Differential requirement of bone morphogenetic protein receptors Ia (ALK3) and Ib (ALK6) in early embryonic patterning and neural crest development. <i>BMC Developmental Biology</i> , 2016, 16, 1.	2.1	31
20	Î2-catenin-independent WNT signaling and Ki67 in contrast to the estrogen receptor status are prognostic and associated with poor prognosis in breast cancer liver metastases. <i>Clinical and Experimental Metastasis</i> , 2016, 33, 309-323.	3.3	31
21	Molecular crosstalk between Y5 receptor and neuropeptide Y drives liver cancer. <i>Journal of Clinical Investigation</i> , 2020, 130, 2509-2526.	8.2	29
22	The function of the two-pore channel TPC1 depends on dimerization of its carboxy-terminal helix. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2565-2581.	5.4	28
23	Î2-Arrestins " scaffolds and signalling elements essential for WNT/Frizzled signalling pathways?. <i>British Journal of Pharmacology</i> , 2010, 159, 1051-1058.	5.4	27
24	Amer2 Protein Is a Novel Negative Regulator of Wnt/Î2-Catenin Signaling Involved in Neuroectodermal Patterning. <i>Journal of Biological Chemistry</i> , 2012, 287, 1734-1741.	3.4	26
25	Wnt5a/Ror2-induced upregulation of xPAPC requires xShcA. <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 500-506.	2.1	24
26	Molecular characterization of the equine AEG1 locus. <i>Gene</i> , 2002, 292, 65-72.	2.2	21
27	A homologue of cysteine-rich secretory proteins induces premature degradation of vitelline envelopes and hatching of <i>Xenopus laevis</i> embryos. <i>Mechanisms of Development</i> , 2003, 120, 937-948.	1.7	21
28	Amer2 Protein Interacts with EB1 Protein and Adenomatous Polyposis Coli (APC) and Controls Microtubule Stability and Cell Migration. <i>Journal of Biological Chemistry</i> , 2012, 287, 35333-35340.	3.4	21
29	Distinct functionality of dishevelled isoforms on Ca ²⁺ /calmodulin-dependent protein kinase 2 (CamKII) in <i>Xenopus</i> gastrulation. <i>Molecular Biology of the Cell</i> , 2015, 26, 966-977.	2.1	21
30	Dishevelled-3 conformation dynamics analyzed by FRET-based biosensors reveals a key role of casein kinase 1. <i>Nature Communications</i> , 2019, 10, 1804.	12.8	20
31	Dishevelled Paralogs in Vertebrate Development: Redundant or Distinct?. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 59.	3.7	19
32	The LIM domain protein Wtip interacts with the receptor tyrosine kinase Ror2 and inhibits canonical Wnt signalling. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 211-216.	2.1	18
33	Ror2 signaling is required for local upregulation of GDF6 and activation of BMP signaling at the neural plate border. <i>Development (Cambridge)</i> , 2016, 143, 3182-3194.	2.5	18
34	Î2-Arrestin Interacts with the Beta/Gamma Subunits of Trimeric G-Proteins and Dishevelled in the Wnt/Ca ²⁺ Pathway in <i>Xenopus</i> Gastrulation. <i>PLoS ONE</i> , 2014, 9, e87132.	2.5	16
35	Lipid Dynamics in Membranes Slowed Down by Transmembrane Proteins. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 579388.	3.7	16
36	Prohibitin1 acts as a neural crest specifier in <i>Xenopus</i> development by repressing the transcription factor E2F1. <i>Development (Cambridge)</i> , 2010, 137, 4073-4081.	2.5	14

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37	The phosphatase Pgam5 antagonizes Wnt/ β 2-Catenin signaling in embryonic anterior-posterior axis patterning. <i>Development (Cambridge)</i> , 2017, 144, 2234-2247.	2.5	14
38	PAPC and the Wnt5a/Ror2 pathway control the invagination of the otic placode in <i>Xenopus</i> . <i>BMC Developmental Biology</i> , 2011, 11, 36.	2.1	13
39	Signaling pathways and tissue interactions in neural plate border formation. <i>Neurogenesis (Austin, Tx)</i> 11:0784-0791 (2011) https://doi.org/10.1038/ng.1011	1.5	11
40	hmmr mediates anterior neural tube closure and morphogenesis in the frog <i>Xenopus</i> . <i>Developmental Biology</i> , 2017, 430, 188-201.	2.0	10
41	High-Precision Protein-Tracking With Interferometric Scattering Microscopy. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 590158.	3.7	7
42	Cell migration under control of Wnt signaling in the vertebrate embryo. <i>Advances in Developmental Biology (Amsterdam, Netherlands)</i> , 2007, 17, 159-201.	0.4	4
43	Label-Free Live-Cell Imaging with Interferometric Scattering Microscopy: Confocal Imaging and High-Speed 3D Single Particle Tracking. , 2020, , .		0