Ariel Ruiz i Altaba

List of Publications by Year
in descending order

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46 papers	8,375 citations	117625 34 h-index	243625 44 g-index
47 all docs	47 docs citations	47 times ranked	8162 citing authors

#	Article	IF	Citations
1	HEDGEHOG-GLI1 Signaling Regulates Human Glioma Growth, Cancer Stem Cell Self-Renewal, and Tumorigenicity. Current Biology, 2007, 17, 165-172.	3.9	1,006
2	Gli and hedgehog in cancer: tumours, embryos and stem cells. Nature Reviews Cancer, 2002, 2, 361-372.	28.4	703
3	Sonic hedgehog controls stem cell behavior in the postnatal and adult brain. Development (Cambridge), 2005, 132, 335-344.	2.5	539
4	Inhibition of prostate cancer proliferation by interference with SONIC HEDGEHOG-GLI1 signaling. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12561-12566.	7.1	477
5	Melanomas require HEDGEHOG-GLI signaling regulated by interactions between GLI1 and the RAS-MEK/AKT pathways. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5895-5900.	7.1	465
6	Human colon cancer epithelial cells harbour active HEDGEHOGâ€GLI signalling that is essential for tumour growth, recurrence, metastasis and stem cell survival and expansion. EMBO Molecular Medicine, 2009, 1, 338-351.	6.9	430
7	The Sonic Hedgehog-Gli pathway regulates dorsal brain growth and tumorigenesis. Development (Cambridge), 2001, 128, 5201-5212.	2.5	421
8	The Gli code: an information nexus regulating cell fate, stemness and cancer. Trends in Cell Biology, 2007, 17, 438-447.	7.9	363
9	Hedgehogâ€“GLI signaling and the growth of the brain. Nature Reviews Neuroscience, 2002, 3, 24-33.	10.2	359
10	Loss-of-function mutations in the human GLI2 gene are associated with pituitary anomalies and holoprosencephaly-like features. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13424-13429.	7.1	313
11	NANOG regulates glioma stem cells and is essential in vivo acting in a cross-functional network with GLI1 and p53. EMBO Journal, 2010, 29, 2659-2674.	7.8	279
12	Hedgehog-GLI signaling regulates the behavior of cells with stem cell properties in the developing neocortex. Development (Cambridge), 2004, 131, 337-345.	2.5	251
13	Gli proteins and Hedgehog signaling: development and cancer. Trends in Genetics, 1999, 15, 418-425.	6.7	238
14	Context-dependent Regulation of the GLI Code in Cancer by HEDGEHOG and Non-HEDGEHOG Signals. Journal of Molecular Cell Biology, 2010, 2, 84-95.	3.3	223
15	A GLI1-p53 inhibitory loop controls neural stem cell and tumour cell numbers. EMBO Journal, 2009, 28, 663-676.	7.8	210
16	Catching a Gli-mpse of Hedgehog. Cell, 1997, 90, 193-196.	28.9	195
17	Wnt signals are targets and mediators of Gli function. Current Biology, 2001, 11, 769-773.	3.9	156
18	In vivo inhibition of endogenous brain tumors through systemic interference of Hedgehog signaling in mice. Mechanisms of Development, 2005, 122, 223-230.	1.7	140

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19	Context-dependent signal integration by the GLI code: The oncogenic load, pathways, modifiers and implications for cancer therapy. Seminars in Cell and Developmental Biology, 2014, 33, 93-104.	5.0	135
20	Drug repurposing in oncology: Compounds, pathways, phenotypes and computational approaches for colorectal cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2019, 1871, 434-454.	7.4	131
21	Pathways and consequences: Hedgehog signaling in human disease. Trends in Cell Biology, 2002, 12, 562-569.	7.9	129
22	The emergent design of the neural tube: prepattern, SHH morphogen and GLI code. Current Opinion in Genetics and Development, 2003, 13, 513-521.	3.3	124
23	Carboxy-terminally truncated Gli3 proteins associate with Smads. Nature Genetics, 1998, 20, 325-326.	21.4	104
24	The river blindness drug <scp>I</scp>vermectin and related macrocyclic lactones inhibit <scp>WNT</scp>â€<scp>TCF</scp> pathway responses in human cancer. EMBO Molecular Medicine, 2014, 6, 1263-1278.	6.9	103
25	Hedgehogâ€“Gli signaling in brain tumors: stem cells and paradevelopmental programs in cancer. Cancer Letters, 2004, 204, 145-157.	7.2	101
26	Therapeutic Targeting of the Hedgehog-GLI Pathway in Prostate Cancer. Cancer Research, 2005, 65, 2990-2992.	0.9	82
27	Small molecule modulation of HH-GLI signaling: Current leads, trials and tribulations. Biochemical Pharmacology, 2010, 80, 712-723.	4.4	82
28	Brain as a paradigm of organ growth: Hedgehog-Gli signaling in neural stem cells and brain tumors. Journal of Neurobiology, 2005, 64, 476-490.	3.6	74
29	A novel genomeâ€wide in vivo screen for metastatic suppressors in human colon cancer identifies the positive <scp>WNT</scp>â€<scp>TCF</scp> pathway modulators <scp>TMED</scp>3 and <scp>SOX</scp>12. EMBO Molecular Medicine, 2014, 6, 882-901.	6.9	74
30	Hedgehog Signaling and the Gli Code in Stem Cells, Cancer, and MetastasesA Presentation from the 1st International HEALING Meeting: Hh-Gli Signaling in Development, Regeneration, and Disease, Kolymbari, Crete, 23 to 25 June 2011.. Science Signaling, 2011, 4, pt9.	3.6	63
31	Cooperative requirement of the Gli proteins in neurogenesis. Development (Cambridge), 2005, 132, 3267-3279.	2.5	58
32	Interference with HHâ€“GLI signaling inhibits prostate cancer. Trends in Molecular Medicine, 2005, 11, 199-203.	6.7	48
33	The works of GLI and the power of Hedgehog. Nature Cell Biology, 1999, 1, E147-E148.	10.3	44
34	BMP Signaling Promotes the Growth of Primary Human Colon Carcinomas in vivo. Journal of Molecular Cell Biology, 2010, 2, 318-332.	3.3	38
35	The protein secretion modulator TMED9 drives CNIH4/TGFÎ±/GLI signaling opposing TMED3-WNT-TCF to promote colon cancer metastases. Oncogene, 2019, 38, 5817-5837.	5.9	36
36	Regulation of survival in adult hippocampal and glioblastoma stem cell lineages by the homeodomain-only protein HOP. Neural Development, 2008, 3, 13.	2.4	27

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37	The therapeutic potential of modulators of the Hedgehog-Gli signaling pathway. , 2002, 1, 9.		25
38	In vivoepigenetic reprogramming of primary human colon cancer cells enhances metastases. Journal of Molecular Cell Biology, 2016, 8, 157-173.	3.3	25
39	Growth, hedgehog and the price of GAS. BioEssays, 2002, 24, 22-26.	2.5	23
40	Long-Lasting WNT-TCF Response Blocking and Epigenetic Modifying Activities of Withanolide F in Human Cancer Cells. PLoS ONE, 2016, 11, e0168170.	2.5	21
41	Embryonic regionalization of the neocortex. Mechanisms of Development, 2001, 107, 3-11.	1.7	15
42	On the origin of metastases: Induction of pro-metastatic states after impending cell death via ER stress, reprogramming, and a cytokine storm. Cell Reports, 2022, 38, 110490.	6.4	15
43	Chimeric NANOG repressors inhibit glioblastoma growth in vivo in a context-dependent manner. Scientific Reports, 2019, 9, 3891.	3.3	11
44	Metastases and Colon Cancer Tumor Growth Display Divergent Responses to Modulation of Canonical WNT Signaling. PLoS ONE, 2016, 11, e0150697.	2.5	11
45	Functional Pro-metastatic Heterogeneity Revealed by Spiked-scRNAseq Is Shaped by Cancer Cell Interactions and Restricted by VSIG1. Cell Reports, 2020, 33, 108372.	6.4	7
46	How the Hedgehog Outfoxed the Crab. , 2006, , 1-22.		1