

# Benjamin L Allen

## List of Publications by Year in descending order

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39  
papers

2,674  
citations

279798

23  
h-index

395702

33  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3049  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cell Surface Membrane Proteins Cdo and Boc Are Components and Targets of the Hedgehog Signaling Pathway and Feedback Network in Mice. <i>Developmental Cell</i> , 2006, 10, 647-656.	7.0	334
2	Overlapping Roles and Collective Requirement for the Coreceptors GAS1, CDO, and BOC in SHH Pathway Function. <i>Developmental Cell</i> , 2011, 20, 775-787.	7.0	255
3	The Hedgehog-binding proteins Gas1 and Cdo cooperate to positively regulate Shh signaling during mouse development. <i>Genes and Development</i> , 2007, 21, 1244-1257.	5.9	244
4	Multimodal mapping of the tumor and peripheral blood immune landscape in human pancreatic cancer. <i>Nature Cancer</i> , 2020, 1, 1097-1112.	13.2	234
5	Boc and Gas1 Each Form Distinct Shh Receptor Complexes with Ptch1 and Are Required for Shh-Mediated Cell Proliferation. <i>Developmental Cell</i> , 2011, 20, 788-801.	7.0	220
6	Notochord-derived Shh concentrates in close association with the apically positioned basal body in neural target cells and forms a dynamic gradient during neural patterning. <i>Development (Cambridge)</i> , 2008, 135, 1097-1106.	2.5	207
7	Spatial and temporal expression of heparan sulfate in mouse development regulates FGF and FGF receptor assembly. <i>Journal of Cell Biology</i> , 2003, 163, 637-648.	5.2	165
8	Inhibition of Hedgehog Signaling Alters Fibroblast Composition in Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 2023-2037.	7.0	156
9	Dosage-Dependent Regulation of Pancreatic Cancer Growth and Angiogenesis by Hedgehog Signaling. <i>Cell Reports</i> , 2014, 9, 484-494.	6.4	85
10	Essential role for ligand-dependent feedback antagonism of vertebrate hedgehog signaling by PTCH1, PTCH2 and HHIP1 during neural patterning. <i>Development (Cambridge)</i> , 2013, 140, 3423-3434.	2.5	77
11	Hedgehog pathway blockade with the cancer drug LDE225 disrupts taste organs and taste sensation. <i>Journal of Neurophysiology</i> , 2015, 113, 1034-1040.	1.8	66
12	Differential Contribution of Pancreatic Fibroblast Subsets to the Pancreatic Cancer Stroma. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 10, 581-599.	4.5	62
13	Primary Cilia on Horizontal Basal Cells Regulate Regeneration of the Olfactory Epithelium. <i>Journal of Neuroscience</i> , 2015, 35, 13761-13772.	3.6	54
14	Recovery of taste organs and sensory function after severe loss from Hedgehog/Smoothed inhibition with cancer drug sonidegib. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10369-E10378.	7.1	48
15	Acute Inhibition of Heterotrimeric Kinesin-2 Function Reveals Mechanisms of Intraflagellar Transport in Mammalian Cilia. <i>Current Biology</i> , 2019, 29, 1137-1148.e4.	3.9	48
16	The Transcription Factor GLI1 Modulates the Inflammatory Response during Pancreatic Tissue Remodeling. <i>Journal of Biological Chemistry</i> , 2014, 289, 27727-27743.	3.4	43
17	An ancient yet flexible cis-regulatory architecture allows localized Hedgehog tuning by patched/Ptch1. <i>ELife</i> , 2016, 5, .	6.0	41
18	Secreted HHIP1 interacts with heparan sulfate and regulates Hedgehog ligand localization and function. <i>Journal of Cell Biology</i> , 2015, 209, 739-758.	5.2	39

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19	The heterotrimeric kinesin-2 complex interacts with and regulates GLI protein function. <i>Journal of Cell Science</i> , 2015, 128, 1034-50.	2.0	38
20	Maintenance of Taste Organs Is Strictly Dependent on Epithelial Hedgehog/GLI Signaling. <i>PLoS Genetics</i> , 2016, 12, e1006442.	3.5	38
21	Extrinsic KRAS Signaling Shapes the Pancreatic Microenvironment Through Fibroblast Reprogramming. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1673-1699.	4.5	36
22	Pancreatic Fibroblast Heterogeneity: From Development to Cancer. <i>Cells</i> , 2020, 9, 2464.	4.1	31
23	<i>BOC</i> is a modifier gene in holoprosencephaly. <i>Human Mutation</i> , 2017, 38, 1464-1470.	2.5	27
24	The Hedgehog co-receptor BOC differentially regulates SHH signaling during craniofacial development. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	21
25	Distinct structural requirements for CDON and BOC in the promotion of Hedgehog signaling. <i>Developmental Biology</i> , 2015, 402, 239-252.	2.0	20
26	Ciliopathy-Associated Protein Kinase ICK Requires Its Non-Catalytic Carboxyl-Terminal Domain for Regulation of Ciliogenesis. <i>Cells</i> , 2019, 8, 677.	4.1	20
27	Elevated Fibroblast Growth Factor Signaling Is Critical for the Pathogenesis of the Dwarfism in <i>Evc2/Limbin</i> Mutant Mice. <i>PLoS Genetics</i> , 2016, 12, e1006510.	3.5	18
28	Neuropilin-1 promotes Hedgehog signaling through a novel cytoplasmic motif. <i>Journal of Biological Chemistry</i> , 2017, 292, 15192-15204.	3.4	14
29	<i>lhog</i> and <i>Boi</i> elicit Hh signaling via <i>Ptc</i> but do not aid <i>Ptc</i> in sequestering the Hh ligand. <i>Development (Cambridge)</i> , 2014, 141, 3879-3888.	2.5	7
30	Genome-wide chromatin accessibility and transcriptome profiling show minimal epigenome changes and coordinated transcriptional dysregulation of hedgehog signaling in Danforth's short tail mice. <i>Human Molecular Genetics</i> , 2019, 28, 736-750.	2.9	7
31	Identification and Validation of Novel Hedgehog-Responsive Enhancers Predicted by Computational Analysis of Ci/Gli Binding Site Density. <i>PLoS ONE</i> , 2015, 10, e0145225.	2.5	7
32	Hedgehog ( HH ) pathway endogenous antagonist HHIP : unique lingual expression in filiform papillae during homeostasis and ectopic in fungiform papillae during HH signaling inhibition. <i>Developmental Dynamics</i> , 2022, , .	1.8	3
33	CXCL12 motif chemokine ligand 1 induced by Hedgehog signaling promotes mouse extrahepatic bile duct repair after acute injury. <i>Hepatology</i> , 2022, 76, 936-950.	7.3	3
34	GAS1 is required for Notch-dependent facilitation of SHH signaling in the ventral forebrain neuroepithelium. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	2
35	Spinal Cords Built to Scale. <i>Developmental Cell</i> , 2016, 37, 108-109.	7.0	0
36	3373 Modulation of Hedgehog Signaling Alters Immune Infiltration in Pancreatic Cancer. <i>Journal of Clinical and Translational Science</i> , 2019, 3, 16-16.	0.6	0

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37	Secreted HHIP1 interacts with heparan sulfate and regulates Hedgehog ligand localization and function. <i>Journal of Experimental Medicine</i> , 2015, 212, 2127OIA55.	8.5	0
38	Investigating Novel Roles for Hedgehog Coâ€Receptors During Craniofacial Development. <i>FASEB Journal</i> , 2019, 33, 326.1.	0.5	0
39	Abstract PO-096: The synaptic protein Netrin G1 ligand (NGL-1) modulates tumorigenesis and immunosuppression in pancreatic cancer. , 2021, , .		0