

# Brandon J Wainwright

## List of Publications by Year in descending order

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42  
papers

4,445  
citations

257357

24  
h-index

276775

41  
g-index

43  
all docs

43  
docs citations

43  
times ranked

5664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations of the Human Homolog of Drosophila patched in the Nevoid Basal Cell Carcinoma Syndrome. <i>Cell</i> , 1996, 85, 841-851.	13.5	2,150
2	Medulloblastoma Can Be Initiated by Deletion of Patched in Lineage-Restricted Progenitors or Stem Cells. <i>Cancer Cell</i> , 2008, 14, 135-145.	7.7	606
3	A Mammalian patched Homolog Is Expressed in Target Tissues of sonic hedgehog and Maps to a Region Associated with Developmental Abnormalities. <i>Journal of Biological Chemistry</i> , 1996, 271, 12125-12128.	1.6	171
4	Patched1 Functions as a Gatekeeper by Promoting Cell Cycle Progression. <i>Cancer Research</i> , 2006, 66, 2081-2088.	0.4	168
5	Novel genes regulated by Sonic Hedgehog in pluripotent mesenchymal cells. <i>Oncogene</i> , 2002, 21, 8196-8205.	2.6	108
6	Patched 1 conditional null allele in mice. <i>Genesis</i> , 2003, 36, 158-161.	0.8	94
7	An in vivo comparative study of sonic, desert and Indian hedgehog reveals that hedgehog pathway activity regulates epidermal stem cell homeostasis. <i>Development (Cambridge)</i> , 2004, 131, 5009-5019.	1.2	91
8	Sonic Hedgehog and Notch Signaling Can Cooperate to Regulate Neurogenic Divisions of Neocortical Progenitors. <i>PLoS ONE</i> , 2011, 6, e14680.	1.1	88
9	Inhibition of CDK4/6 by Palbociclib Significantly Extends Survival in Medulloblastoma Patient-Derived Xenograft Mouse Models. <i>Clinical Cancer Research</i> , 2017, 23, 5802-5813.	3.2	74
10	Hedgehog/Notch-induced premature gliogenesis represents a new disease mechanism for Hirschsprung disease in mice and humans. <i>Journal of Clinical Investigation</i> , 2011, 121, 3467-3478.	3.9	64
11	<i>&lt;i&gt;Sleeping Beauty&lt;/i&gt;</i> mutagenesis in a mouse medulloblastoma model defines networks that discriminate between human molecular subgroups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4325-34.	3.3	62
12	Kif7 regulates Gli2 through Sufu-dependent and -independent functions during skin development and tumorigenesis. <i>Development (Cambridge)</i> , 2012, 139, 4152-4161.	1.2	61
13	Patched 1 is a crucial determinant of asymmetry and digit number in the vertebrate limb. <i>Development (Cambridge)</i> , 2009, 136, 3515-3524.	1.2	51
14	The Many Faces of Elongator in Neurodevelopment and Disease. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 115.	1.4	51
15	Overexpression of Sonic Hedgehog suppresses embryonic hair follicle morphogenesis. <i>Developmental Biology</i> , 2003, 263, 203-215.	0.9	48
16	Ptch1-mediated dosage-dependent action of Shh signaling regulates neural progenitor development at late gestational stages. <i>Developmental Biology</i> , 2011, 349, 147-159.	0.9	45
17	Patched1 is required in neural crest cells for the prevention of orofacial clefts. <i>Human Molecular Genetics</i> , 2013, 22, 5026-5035.	1.4	42
18	Patched1 Inhibits Epidermal Progenitor Cell Expansion and Basal Cell Carcinoma Formation by Limiting Igfbp2 Activity. <i>Cancer Prevention Research</i> , 2010, 3, 1222-1234.	0.7	40

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19	Elongator mutation in mice induces neurodegeneration and ataxia-like behavior. <i>Nature Communications</i> , 2018, 9, 3195.	5.8	40
20	The Hedgehog receptor Patched1 regulates myeloid and lymphoid progenitors by distinct cell-extrinsic mechanisms. <i>Blood</i> , 2009, 114, 995-1004.	0.6	39
21	<i>Ptch1</i> is required locally for mammary gland morphogenesis and systemically for ductal elongation. <i>Development (Cambridge)</i> , 2009, 136, 1423-1432.	1.2	32
22	Patched 1 and Patched 2 Redundancy Has a Key Role in Regulating Epidermal Differentiation. <i>Journal of Investigative Dermatology</i> , 2014, 134, 1981-1990.	0.3	29
23	Vincristine-induced peripheral neuropathy is driven by canonical NLRP3 activation and IL-1 $\beta$ release. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	29
24	Neogenin1 is a sonic hedgehog target in medulloblastoma and is necessary for cell cycle progression. <i>International Journal of Cancer</i> , 2014, 134, 21-31.	2.3	26
25	Elp2 mutations perturb the epitranscriptome and lead to a complex neurodevelopmental phenotype. <i>Nature Communications</i> , 2021, 12, 2678.	5.8	26
26	Zfx Facilitates Tumorigenesis Caused by Activation of the Hedgehog Pathway. <i>Cancer Research</i> , 2014, 74, 5914-5924.	0.4	25
27	Expression of the NET family member <i>Zfp503</i> is regulated by hedgehog and BMP signaling in the limb. <i>Developmental Dynamics</i> , 2008, 237, 1172-1182.	0.8	22
28	Activated Hedgehog-Gli Signaling Causes Congenital Ureteropelvic Junction Obstruction. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 532-544.	3.0	20
29	Genetic and functional interaction network analysis reveals global enrichment of regulatory T cell genes influencing basal cell carcinoma susceptibility. <i>Genome Medicine</i> , 2021, 13, 19.	3.6	20
30	Proliferation of Murine Midbrain Neural Stem Cells Depends upon an Endogenous Sonic Hedgehog (Shh) Source. <i>PLoS ONE</i> , 2013, 8, e65818.	1.1	19
31	Tumor cells generate astrocyte-like cells that contribute to SHH-driven medulloblastoma relapse. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	19
32	MicroRNA Biogenesis and Hedgehog-Patched Signaling Cooperate to Regulate an Important Developmental Transition in Granule Cell Development. <i>Genetics</i> , 2016, 202, 1105-1118.	1.2	13
33	Patient-derived orthotopic xenograft models of medulloblastoma lack a functional blood-brain barrier. <i>Neuro-Oncology</i> , 2021, 23, 732-742.	0.6	12
34	Patched Receptors Sense, Interpret, and Establish an Epidermal Hedgehog Signaling Gradient. <i>Journal of Investigative Dermatology</i> , 2017, 137, 179-186.	0.3	11
35	Systems pharmacogenomics identifies novel targets and clinically actionable therapeutics for medulloblastoma. <i>Genome Medicine</i> , 2021, 13, 103.	3.6	10
36	Functional divergence of the two Elongator subcomplexes during neurodevelopment. <i>EMBO Molecular Medicine</i> , 0, .	3.3	10

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37	Patched1 patterns Fibroblast growth factor 10 and Forkhead box F1 expression during pulmonary branch formation. <i>Mechanisms of Development</i> , 2017, 147, 37-48.	1.7	9
38	RBP-J is not required for granule neuron progenitor development and medulloblastoma initiated by Hedgehog pathway activation in the external germinal layer. <i>Neural Development</i> , 2010, 5, 27.	1.1	6
39	Identification of CD24 as a marker of Patched1 deleted medulloblastoma-initiating neural progenitor cells. <i>PLoS ONE</i> , 2019, 14, e0210665.	1.1	5
40	SOX9 Defines Distinct Populations of Cells in SHH Medulloblastoma but Is Not Required for Math1-Driven Tumor Formation. <i>Molecular Cancer Research</i> , 2021, 19, 1831-1839.	1.5	5
41	Ectopic expression of SOX18 in Basal cell carcinoma negatively regulates tumour progression. <i>Journal of Dermatological Science</i> , 2020, 98, 179-185.	1.0	3
42	Murine basal cell carcinoma leads to tumor-mediated alterations in endocrine Igf1 signaling. <i>Endocrine-Related Cancer</i> , 2013, 20, 273-281.	1.6	1