

# Carol A Wicking

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5853524/publications.pdf>

Version: 2024-02-01

72  
papers

6,595  
citations

76294

40  
h-index

95218

68  
g-index

74  
all docs

74  
docs citations

74  
times ranked

8207  
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	Nevoid basal cell carcinoma syndrome: Review of 118 affected individuals. <i>American Journal of Medical Genetics Part A</i> , 1994, 50, 282-290.	2.4	318
3	A Genome-Wide Association Study Identifies Five Loci Influencing Facial Morphology in Europeans. <i>PLoS Genetics</i> , 2012, 8, e1002932.	1.5	274
4	The IFT-A complex regulates Shh signaling through cilia structure and membrane protein trafficking. <i>Journal of Cell Biology</i> , 2012, 197, 789-800.	2.3	194
5	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
6	The hedgehog signalling pathway in tumorigenesis and development. <i>Oncogene</i> , 1999, 18, 7844-7851.	2.6	154
7	Mutations in DZIP1L, which encodes a ciliary-transition-zone protein, cause autosomal recessive polycystic kidney disease. <i>Nature Genetics</i> , 2017, 49, 1025-1034.	9.4	148
8	Rab23, a Negative Regulator of Hedgehog Signaling, Localizes to the Plasma Membrane and the Endocytic Pathway. <i>Traffic</i> , 2003, 4, 869-884.	1.3	141
9	Murine Wnt-11 and Wnt-12 have temporally and spatially restricted expression patterns during embryonic development. <i>Mechanisms of Development</i> , 1995, 51, 341-350.	1.7	128
10	Short-Rib Polydactyly and Jeune Syndromes Are Caused by Mutations in WDR60. <i>American Journal of Human Genetics</i> , 2013, 93, 515-523.	2.6	116
11	Novel genes regulated by Sonic Hedgehog in pluripotent mesenchymal cells. <i>Oncogene</i> , 2002, 21, 8196-8205.	2.6	108
12	Mutations in the Gene Encoding IFT Dynein Complex Component WDR34 Cause Jeune Asphyxiating Thoracic Dystrophy. <i>American Journal of Human Genetics</i> , 2013, 93, 932-944.	2.6	108
13	Attenuated sensing of SHH by Ptch1 underlies evolution of bovine limbs. <i>Nature</i> , 2014, 511, 46-51.	13.7	106
14	CDX2, a human homologue of Drosophila caudal, is mutated in both alleles in a replication error positive colorectal cancer. <i>Oncogene</i> , 1998, 17, 657-659.	2.6	105
15	INPP5E regulates phosphoinositide-dependent cilia transition zone function. <i>Journal of Cell Biology</i> , 2017, 216, 247-263.	2.3	101
16	Cloning the mouse homolog of the human cystic fibrosis transmembrane conductance regulator gene. <i>Genomics</i> , 1991, 10, 301-307.	1.3	100
17	A genome-wide screen for modifiers of transgene variegation identifies genes with critical roles in development. <i>Genome Biology</i> , 2008, 9, R182.	13.9	97
18	Patched 1 conditional null allele in mice. <i>Genesis</i> , 2003, 36, 158-161.	0.8	94

#	ARTICLE	IF	CITATIONS
19	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
20	Pax9 and Jagged1 act downstream of Gli3 in vertebrate limb development. <i>Mechanisms of Development</i> , 2005, 122, 1218-1233.	1.7	89
21	Scube2 mediates Hedgehog signalling in the zebrafish embryo. <i>Developmental Biology</i> , 2006, 294, 104-118.	0.9	89
22	Characterisation of human patched germ line mutations in naevoid basal cell carcinoma syndrome. <i>Human Genetics</i> , 1997, 100, 497-502.	1.8	88
23	Initiation and patterning of the snake dentition are dependent on Sonic Hedgehog signaling. <i>Developmental Biology</i> , 2008, 319, 132-145.	0.9	87
24	A Novel Mammalian Retromer Component, Vps26B. <i>Traffic</i> , 2005, 6, 991-1001.	1.3	76
25	Mutations in mouse <i>Ift144</i> model the craniofacial, limb and rib defects in skeletal ciliopathies. <i>Human Molecular Genetics</i> , 2012, 21, 1808-1823.	1.4	70
26	Trafficking, development and hedgehog. <i>Mechanisms of Development</i> , 2009, 126, 279-288.	1.7	69
27	A Novel Hook-Related Protein Family and the Characterization of Hook-Related Protein 1. <i>Traffic</i> , 2005, 6, 442-458.	1.3	67
28	The role of hedgehog signalling in tumorigenesis. <i>Cancer Letters</i> , 2001, 173, 1-7.	3.2	65
29	From linked marker to gene. <i>Trends in Genetics</i> , 1991, 7, 288-293.	2.9	63
30	Tmem2 Regulates Embryonic Vegf Signaling by Controlling Hyaluronic Acid Turnover. <i>Developmental Cell</i> , 2017, 40, 123-136.	3.1	63
31	Fine Genetic Mapping of the Gene for Nevoid Basal Cell Carcinoma Syndrome. <i>Genomics</i> , 1994, 22, 505-511.	1.3	52
32	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
33	TCTEX1D2 mutations underlie Jeune asphyxiating thoracic dystrophy with impaired retrograde intraflagellar transport. <i>Nature Communications</i> , 2015, 6, 7074.	5.8	51
34	The PCNA-associated factor KIAA0101/p15 binds the potential tumor suppressor product p33ING1b. <i>Experimental Cell Research</i> , 2006, 312, 73-85.	1.2	50
35	Overexpression of Sonic Hedgehog suppresses embryonic hair follicle morphogenesis. <i>Developmental Biology</i> , 2003, 263, 203-215.	0.9	48
36	Transmembrane protein 2 (Tmem2) is required to regionally restrict atrioventricular canal boundary and endocardial cushion development. <i>Development (Cambridge)</i> , 2011, 138, 4193-4198.	1.2	48

#	ARTICLE	IF	CITATIONS
37	Genomic screen for genes involved in mammalian craniofacial development. <i>Genesis</i> , 2003, 35, 73-87.	0.8	47
38	Mapping the multiple self-healing squamous epithelioma (MSSE) gene and investigation of xeroderma pigmentosum group A (XPA) and PATCHED (PTCH) as candidate genes. <i>Human Genetics</i> , 1997, 101, 317-322.	1.8	45
39	Fryns Syndrome Associated with Recessive Mutations in PIGN in two Separate Families. <i>Human Mutation</i> , 2016, 37, 695-702.	1.1	43
40	No evidence for the H133Y mutation in SONIC HEDGEHOG in a collection of common tumour types. <i>Oncogene</i> , 1998, 16, 1091-1093.	2.6	42
41	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
42	De novo mutations of the patched gene in nevoid basal cell carcinoma syndrome help to define the clinical phenotype. , 1997, 73, 304-307.		41
43	The Molecular Regulation of Vertebrate Limb Patterning. <i>Current Topics in Developmental Biology</i> , 2010, 90, 319-341.	1.0	37
44	Unmasking the ciliopathies: craniofacial defects and the primary cilium. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2015, 4, 637-653.	5.9	35
45	Inactivation of Patched1 in the Mouse Limb Has Novel Inhibitory Effects on the Chondrogenic Program. <i>Journal of Biological Chemistry</i> , 2010, 285, 27967-27981.	1.6	32
46	Mutations in human C2CD3 cause skeletal dysplasia and provide new insights into phenotypic and cellular consequences of altered C2CD3 function. <i>Scientific Reports</i> , 2016, 6, 24083.	1.6	30
47	Sequence variants of DLC1 in colorectal and ovarian tumours. <i>Human Mutation</i> , 2000, 15, 156-165.	1.1	29
48	Essential Developmental, Genomic Stability, and Tumour Suppressor Functions of the Mouse Orthologue of hSSB1/NABP2. <i>PLoS Genetics</i> , 2013, 9, e1003298.	1.5	28
49	The spectrum of patched mutations in a collection of Australian basal cell carcinomas. <i>Human Mutation</i> , 2000, 16, 43-48.	1.1	24
50	HLS5, a Novel RBCC (Ring Finger, B Box, Coiled-coil) Family Member Isolated from a Hemopoietic Lineage Switch, Is a Candidate Tumor Suppressor. <i>Journal of Biological Chemistry</i> , 2004, 279, 8181-8189.	1.6	24
51	Functional analysis in <i>Drosophila</i> indicates that the NBCCS/PTCH1 mutation G509V results in activation of smoothened through a dominant-negative mechanism. <i>Developmental Dynamics</i> , 2004, 229, 780-790.	0.8	24
52	The effects of splice site mutations in patients with naevoid basal cell carcinoma syndrome. <i>Human Genetics</i> , 1998, 102, 598-601.	1.8	23
53	Characterization of Rab23, a Negative Regulator of Sonic Hedgehog Signaling. <i>Methods in Enzymology</i> , 2005, 403, 759-777.	0.4	23
54	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

#	ARTICLE	IF	CITATIONS
55	DNA elution from buccal cells stored on Whatman FTA Classic Cards using a modified methanol fixation method. <i>BioTechniques</i> , 2009, 46, 309-311.	0.8	22
56	Primary cilia function regulates the length of the embryonic trunk axis and urogenital field in mice. <i>Developmental Biology</i> , 2014, 395, 342-354.	0.9	22
57	The metalloendopeptidase gene <i>Pitrm1</i> is regulated by hedgehog signaling in the developing mouse limb and is expressed in muscle progenitors. <i>Developmental Dynamics</i> , 2009, 238, 3175-3184.	0.8	16
58	Evolutionary conservation and murine embryonic expression of the gene encoding the SERTA domain-containing protein CDCA4 (HEPP). <i>Gene</i> , 2006, 374, 153-165.	1.0	15
59	Homozygous variant in <i>C21orf2</i> in a case of Jeune syndrome with severe thoracic involvement: Extending the phenotypic spectrum. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 1698-1704.	0.7	15
60	Twist2 contributes to termination of limb bud outgrowth and patterning through direct regulation of <i>Grem1</i> . <i>Developmental Biology</i> , 2012, 370, 145-153.	0.9	14
61	The coding region of <i>TP53INP2</i> , a gene expressed in the developing nervous system, is not altered in a family with autosomal recessive non-progressive infantile ataxia on chromosome 20q11-q13. <i>Developmental Dynamics</i> , 2007, 236, 843-852.	0.8	13
62	Inheritance of a novel mutated allele of the <i>OCA2</i> gene associated with high incidence of oculocutaneous albinism in a Polynesian community. <i>Journal of Human Genetics</i> , 2010, 55, 103-111.	1.1	13
63	Murine embryonic expression of the gene for the UV-responsive protein p15PAF. <i>Gene Expression Patterns</i> , 2007, 7, 47-50.	0.3	12
64	Krt6a-Cre Transgenic Mice Direct LoxP-Mediated Recombination to the Companion Cell Layer of the Hair Follicle and Following Induction by Retinoic Acid to the Interfollicular Epidermis. <i>Journal of Investigative Dermatology</i> , 2004, 122, 232-234.	0.3	8
65	Identification and analysis of novel genes expressed in the mouse embryonic facial primordia. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 2631.	3.0	8
66	Novel mutation in the 7-dehydrocholesterol reductase gene in an Australian patient with Smith-Lemli-Opitz syndrome. <i>American Journal of Medical Genetics Part A</i> , 2001, 103, 344-347.	2.4	7
67	<i>Tmem26</i> Is Dynamically Expressed during Palate and Limb Development but Is Not Required for Embryonic Survival. <i>PLoS ONE</i> , 2011, 6, e25228.	1.1	6
68	De novo mutations of the patched gene in nevoid basal cell carcinoma syndrome help to define the clinical phenotype. <i>American Journal of Medical Genetics Part A</i> , 1997, 73, 304-307.	2.4	2
69	Embryos Direct the Traffic. <i>Traffic</i> , 2010, 11, 1263-1264.	1.3	0
70	Hedgehog Signaling. , 2011, , 1637-1638.		0
71	Hedgehog Signaling. , 2017, , 2002-2004.		0
72	Rab23. , 2018, , 4362-4367.		0