# 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<br>papers | 6,595<br>citations | 76326<br>40<br>h-index | 95266<br>68<br>g-index |
| 74<br>all docs | 74<br>docs citations | 74<br>times ranked | 8207<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mutations of the Human Homolog of Drosophila patched in the Nevoid Basal Cell Carcinoma Syndrome. Cell, 1996, 85, 841-851. | 28.9 | 2,150 |
| 2 | Nevoid basal cell carcinoma syndrome: Review of 118 affected individuals. American Journal of Medical Genetics Part A, 1994, 50, 282-290. | 2.4 | 318 |
| 3 | A Genome-Wide Association Study Identifies Five Loci Influencing Facial Morphology in Europeans. PLoS Genetics, 2012, 8, e1002932. | 3.5 | 274 |
| 4 | The IFT-A complex regulates Shh signaling through cilia structure and membrane protein trafficking. Journal of Cell Biology, 2012, 197, 789-800. | 5.2 | 194 |
| 5 | A Mammalian patched Homolog Is Expressed in Target Tissues of sonic hedgehog and Maps to a Region Associated with Developmental Abnormalities. Journal of Biological Chemistry, 1996, 271, 12125-12128. | 3.4 | 171 |
| 6 | The hedgehog signalling pathway in tumorigenesis and development. Oncogene, 1999, 18, 7844-7851. | 5.9 | 154 |
| 7 | Mutations in DZIP1L, which encodes a ciliary-transition-zone protein, cause autosomal recessive polycystic kidney disease. Nature Genetics, 2017, 49, 1025-1034. | 21.4 | 148 |
| 8 | Rab23, a Negative Regulator of Hedgehog Signaling, Localizes to the Plasma Membrane and the Endocytic Pathway. Traffic, 2003, 4, 869-884. | 2.7 | 141 |
| 9 | Murine Wnt-11 and Wnt-12 have temporally and spatially restricted expression patterns during embryonic development. Mechanisms of Development, 1995, 51, 341-350. | 1.7 | 128 |
| 10 | Short-Rib Polydactyly and Jeune Syndromes Are Caused by Mutations in WDR60. American Journal of Human Genetics, 2013, 93, 515-523. | 6.2 | 116 |
| 11 | Novel genes regulated by Sonic Hedgehog in pluripotent mesenchymal cells. Oncogene, 2002, 21, 8196-8205. | 5.9 | 108 |
| 12 | Mutations in the Gene Encoding IFT Dynein Complex Component WDR34 Cause Jeune Asphyxiating Thoracic Dystrophy. American Journal of Human Genetics, 2013, 93, 932-944. | 6.2 | 108 |
| 13 | Attenuated sensing of SHH by Ptch1 underlies evolution of bovine limbs. Nature, 2014, 511, 46-51. | 27.8 | 106 |
| 14 | CDX2, a human homologue of Drosophila caudal, is mutated in both alleles in a replication error positive colorectal cancer. Oncogene, 1998, 17, 657-659. | 5.9 | 105 |
| 15 | INPP5E regulates phosphoinositide-dependent cilia transition zone function. Journal of Cell Biology, 2017, 216, 247-263. | 5.2 | 101 |
| 16 | Cloning the mouse homolog of the human cystic fibrosis transmembrane conductance regulator gene. Genomics, 1991, 10, 301-307. | 2.9 | 100 |
| 17 | A genome-wide screen for modifiers of transgene variegation identifies genes with critical roles in development. Genome Biology, 2008, 9, R182. | 9.6 | 97 |
| 18 | Patched 1 conditional null allele in mice. Genesis, 2003, 36, 158-161. | 1.6 | 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. Development (Cambridge), 2004, 131, 5009-5019. | 2.5 | 91 |
| 20 | Pax9 and Jagged1 act downstream of Gli3 in vertebrate limb development. Mechanisms of Development, 2005, 122, 1218-1233. | 1.7 | 89 |
| 21 | Scube2 mediates Hedgehog signalling in the zebrafish embryo. Developmental Biology, 2006, 294, 104-118. | 2.0 | 89 |
| 22 | Characterisation of human patched germ line mutations in naevoid basal cell carcinoma syndrome. Human Genetics, 1997, 100, 497-502. | 3.8 | 88 |
| 23 | Initiation and patterning of the snake dentition are dependent on Sonic Hedgehog signaling. Developmental Biology, 2008, 319, 132-145. | 2.0 | 87 |
| 24 | A Novel Mammalian Retromer Component, Vps26B. Traffic, 2005, 6, 991-1001. | 2.7 | 76 |
| 25 | Mutations in mouse Ift144 model the craniofacial, limb and rib defects in skeletal ciliopathies. Human Molecular Genetics, 2012, 21, 1808-1823. | 2.9 | 70 |
| 26 | Trafficking, development and hedgehog. Mechanisms of Development, 2009, 126, 279-288. | 1.7 | 69 |
| 27 | A Novel Hook-Related Protein Family and the Characterization of Hook-Related Protein 1. Traffic, 2005, 6, 442-458. | 2.7 | 67 |
| 28 | The role of hedgehog signalling in tumorigenesis. Cancer Letters, 2001, 173, 1-7. | 7.2 | 65 |
| 29 | From linked marker to gene. Trends in Genetics, 1991, 7, 288-293. | 6.7 | 63 |
| 30 | Tmem2 Regulates Embryonic Vegf Signaling by Controlling Hyaluronic Acid Turnover. Developmental Cell, 2017, 40, 123-136. | 7.0 | 63 |
| 31 | Fine Genetic Mapping of the Gene for Nevoid Basal Cell Carcinoma Syndrome. Genomics, 1994, 22, 505-511. | 2.9 | 52 |
| 32 | Patched 1 is a crucial determinant of asymmetry and digit number in the vertebrate limb. Development (Cambridge), 2009, 136, 3515-3524. | 2.5 | 51 |
| 33 | TCTEX1D2 mutations underlie Jeune asphyxiating thoracic dystrophy with impaired retrograde intraflagellar transport. Nature Communications, 2015, 6, 7074. | 12.8 | 51 |
| 34 | The PCNA-associated factor KIAA0101/p15 binds the potential tumor suppressor product p33ING1b. Experimental Cell Research, 2006, 312, 73-85. | 2.6 | 50 |
| 35 | Overexpression of Sonic Hedgehog suppresses embryonic hair follicle morphogenesis. Developmental Biology, 2003, 263, 203-215. | 2.0 | 48 |
| 36 | Transmembrane protein 2 (Tmem2) is required to regionally restrict atrioventricular canal boundary and endocardial cushion development. Development (Cambridge), 2011, 138, 4193-4198. | 2.5 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Genomic screen for genes involved in mammalian craniofacial development. Genesis, 2003, 35, 73-87. | 1.6 | 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. Human Genetics, 1997, 101, 317-322. | 3.8 | 45 |
| 39 | Fryns Syndrome Associated with Recessive Mutations in PIGN in two Separate Families. Human Mutation, 2016, 37, 695-702. | 2.5 | 43 |
| 40 | No evidence for the H133Y mutation in SONIC HEDGEHOG in a collection of common tumour types. Oncogene, 1998, 16, 1091-1093. | 5.9 | 42 |
| 41 | Patched1 is required in neural crest cells for the prevention of orofacial clefts. Human Molecular Genetics, 2013, 22, 5026-5035. | 2.9 | 42 |
| 42 | De novo mutations of thepatched 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. Current Topics in Developmental Biology, 2010, 90, 319-341. | 2.2 | 37 |
| 44 | Unmasking the ciliopathies: craniofacial defects and the primary cilium. Wiley Interdisciplinary Reviews: Developmental Biology, 2015, 4, 637-653. | 5.9 | 35 |
| 45 | Inactivation of Patched1 in the Mouse Limb Has Novel Inhibitory Effects on the Chondrogenic Program. Journal of Biological Chemistry, 2010, 285, 27967-27981. | 3.4 | 32 |
| 46 | Mutations in human C2CD3 cause skeletal dysplasia and provide new insights into phenotypic and cellular consequences of altered C2CD3 function. Scientific Reports, 2016, 6, 24083. | 3.3 | 30 |
| 47 | Sequence variants ofDLC1 in colorectal and ovarian tumours. Human Mutation, 2000, 15, 156-165. | 2.5 | 29 |
| 48 | Essential Developmental, Genomic Stability, and Tumour Suppressor Functions of the Mouse Orthologue of hSSB1/NABP2. PLoS Genetics, 2013, 9, e1003298. | 3.5 | 28 |
| 49 | The spectrum ofpatched mutations in a collection of Australian basal cell carcinomas. Human Mutation, 2000, 16, 43-48. | 2.5 | 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. Journal of Biological Chemistry, 2004, 279, 8181-8189. | 3.4 | 24 |
| 51 | Functional analysis inDrosophila indicates that the NBCCS/PTCH1 mutation G509V results in activation of smoothened through a dominant-negative mechanism. Developmental Dynamics, 2004, 229, 780-790. | 1.8 | 24 |
| 52 | The effects of splice site mutations in patients with naevoid basal cell carcinoma syndrome. Human Genetics, 1998, 102, 598-601. | 3.8 | 23 |
| 53 | Characterization of Rab23, a Negative Regulator of Sonic Hedgehog Signaling. Methods in Enzymology, 2005, 403, 759-777. | 1.0 | 23 |
| 54 | Expression of the NET family member Zfp503 is regulated by hedgehog and BMP signaling in the limb. Developmental Dynamics, 2008, 237, 1172-1182. | 1.8 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | DNA elution from buccal cells stored on Whatman FTA Classic Cards using a modified methanol fixation method. BioTechniques, 2009, 46, 309-311. | 1.8 | 22 |
| 56 | Primary cilia function regulates the length of the embryonic trunk axis and urogenital field in mice. Developmental Biology, 2014, 395, 342-354. | 2.0 | 22 |
| 57 | The metalloendopeptidase gene Pitrm1 is regulated by hedgehog signaling in the developing mouse limb and is expressed in muscle progenitors. Developmental Dynamics, 2009, 238, 3175-3184. | 1.8 | 16 |
| 58 | Evolutionary conservation and murine embryonic expression of the gene encoding the SERTA domain-containing protein CDCA4 (HEPP). Gene, 2006, 374, 153-165. | 2.2 | 15 |
| 59 | Homozygous variant in C21orf2 in a case of Jeune syndrome with severe thoracic involvement: Extending the phenotypic spectrum. American Journal of Medical Genetics, Part A, 2017, 173, 1698-1704. | 1.2 | 15 |
| 60 | Twist2 contributes to termination of limb bud outgrowth and patterning through direct regulation of Grem1. Developmental Biology, 2012, 370, 145-153. | 2.0 | 14 |
| 61 | The coding region ofTP53INP2, 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. Developmental Dynamics, 2007, 236, 843-852. | 1.8 | 13 |
| 62 | Inheritance of a novel mutated allele of the OCA2 gene associated with high incidence of oculocutaneous albinism in a Polynesian community. Journal of Human Genetics, 2010, 55, 103-111. | 2.3 | 13 |
| 63 | Murine embryonic expression of the gene for the UV-responsive protein p15PAF. Gene Expression Patterns, 2007, 7, 47-50. | 0.8 | 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. Journal of Investigative Dermatology, 2004, 122, 232-234. | 0.7 | 8 |
| 65 | Identification and analysis of novel genes expressed in the mouse embryonic facial primordia. Frontiers in Bioscience - Landmark, 2006, 11, 2631. | 3.0 | 8 |
| 66 | Novel mutation in the ?7-dehydrocholesterol reductase gene in an Australian patient with Smith-Lemli-Opitz syndrome. American Journal of Medical Genetics Part A, 2001, 103, 344-347. | 2.4 | 7 |
| 67 | Tmem26 Is Dynamically Expressed during Palate and Limb Development but Is Not Required for Embryonic Survival. PLoS ONE, 2011, 6, e25228. | 2.5 | 6 |
| 68 | De novo mutations of the patched gene in nevoid basal cell carcinoma syndrome help to define the clinical phenotype. American Journal of Medical Genetics Part A, 1997, 73, 304-307. | 2.4 | 2 |
| 69 | Embryos Direct the Traffic. Traffic, 2010, 11, 1263-1264. | 2.7 | 0 |
| 70 | Hedgehog Signaling. , 2011, , 1637-1638. | | 0 |
| 71 | Hedgehog Signaling. , 2017, , 2002-2004. | | 0 |
| 72 | Rab23. , 2018, , 4362-4367. | | 0 |