

Søren T Christensen

List of Publications by Year in descending order

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7,730
citations

57758

44
h-index

54911

84
g-index

105
all docs

105
docs citations

105
times ranked

7401
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Overview of Structure and Function of Mammalian Cilia. Annual Review of Physiology, 2007, 69, 377-400. | 13.1 | 941 |
| 2 | Cellular signalling by primary cilia in development, organ function and disease. Nature Reviews Nephrology, 2019, 15, 199-219. | 9.6 | 533 |
| 3 | PDGFR β Signaling Is Regulated through the Primary Cilium in Fibroblasts. Current Biology, 2005, 15, 1861-1866. | 3.9 | 517 |
| 4 | The primary cilium at a glance. Journal of Cell Science, 2010, 123, 499-503. | 2.0 | 455 |
| 5 | TGF- β 2 Signaling Is Associated with Endocytosis at the Pocket Region of the Primary Cilium. Cell Reports, 2013, 3, 1806-1814. | 6.4 | 248 |
| 6 | Primary Cilia and Signaling Pathways in Mammalian Development, Health and Disease. Nephron Physiology, 2009, 111, p39-p53. | 1.2 | 241 |
| 7 | Directional Cell Migration and Chemotaxis in Wound Healing Response to PDGF-AA are Coordinated by the Primary Cilium in Fibroblasts. Cellular Physiology and Biochemistry, 2010, 25, 279-292. | 1.6 | 226 |
| 8 | Sensory Cilia and Integration of Signal Transduction in Human Health and Disease. Traffic, 2007, 8, 97-109. | 2.7 | 222 |
| 9 | Ins and outs of GPCR signaling in primary cilia. EMBO Reports, 2015, 16, 1099-1113. | 4.5 | 191 |
| 10 | Assembly of primary cilia. Developmental Dynamics, 2008, 237, 1993-2006. | 1.8 | 180 |
| 11 | Structure and function of mammalian cilia. Histochemistry and Cell Biology, 2008, 129, 687-693. | 1.7 | 168 |
| 12 | Primary cilia and coordination of receptor tyrosine kinase (RTK) signalling. Journal of Pathology, 2012, 226, 172-184. | 4.5 | 151 |
| 13 | Chapter 10 The Primary Cilium Coordinates Signaling Pathways in Cell Cycle Control and Migration During Development and Tissue Repair. Current Topics in Developmental Biology, 2008, 85, 261-301. | 2.2 | 135 |
| 14 | Human embryonic stem cells in culture possess primary cilia with hedgehog signaling machinery. Journal of Cell Biology, 2008, 180, 897-904. | 5.2 | 135 |
| 15 | In human granulosa cells from small antral follicles, androgen receptor mRNA and androgen levels in follicular fluid correlate with FSH receptor mRNA. Molecular Human Reproduction, 2011, 17, 63-70. | 2.8 | 135 |
| 16 | Inhibition of protein phosphatase 2A induces serine/threonine phosphorylation, subcellular redistribution, and functional inhibition of STAT3. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 10620-10625. | 7.1 | 133 |
| 17 | Cell shrinkage as a signal to apoptosis in NIH 3T3 fibroblasts. Journal of Physiology, 2005, 567, 427-443. | 2.9 | 133 |
| 18 | Expression and localization of the progesterone receptor in mouse and human reproductive organs. Journal of Endocrinology, 2006, 191, 525-535. | 2.6 | 123 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Primary Cilia and Coordination of Receptor Tyrosine Kinase (RTK) and Transforming Growth Factor \hat{I}^2 (TGF- \hat{I}^2) Signaling. Cold Spring Harbor Perspectives in Biology, 2017, 9, a028167. | 5.5 | 103 |
| 20 | EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. Journal of Cell Science, 2011, 124, 2539-2551. | 2.0 | 95 |
| 21 | Endocytic Control of Cellular Signaling at the Primary Cilium. Trends in Biochemical Sciences, 2016, 41, 784-797. | 7.5 | 92 |
| 22 | The primary cilium coordinates early cardiogenesis and hedgehog signaling in cardiomyocyte differentiation. Journal of Cell Science, 2009, 122, 3070-3082. | 2.0 | 91 |
| 23 | Insulin receptor-like proteins in Tetrahymena thermophila ciliary membranes. Current Biology, 2003, 13, R50-R52. | 3.9 | 88 |
| 24 | Localization of transient receptor potential ion channels in primary and motile cilia of the female murine reproductive organs. Molecular Reproduction and Development, 2005, 71, 444-452. | 2.0 | 86 |
| 25 | The Na ⁺ /H ⁺ exchanger NHE1 is required for directional migration stimulated via PDGFR- \hat{I}^{\pm} in the primary cilium. Journal of Cell Biology, 2009, 185, 163-176. | 5.2 | 85 |
| 26 | Cilia and coordination of signaling networks during heart development. Organogenesis, 2014, 10, 108-125. | 1.2 | 77 |
| 27 | PDGFR \hat{I}^{\pm} signaling in the primary cilium regulates NHE1-dependent fibroblast migration via coordinated differential activity of MEK1/2-ERK1/2-p90RSK and AKT signaling pathways. Journal of Cell Science, 2013, 126, 953-65. | 2.0 | 76 |
| 28 | Primary cilia and aberrant cell signaling in epithelial ovarian cancer. Cilia, 2012, 1, 15. | 1.8 | 72 |
| 29 | The intraflagellar transport machinery in ciliary signaling. Current Opinion in Structural Biology, 2016, 41, 98-108. | 5.7 | 72 |
| 30 | Characterization of primary cilia and Hedgehog signaling during development of the human pancreas and in human pancreatic duct cancer cell lines. Developmental Dynamics, 2008, 237, 2039-2052. | 1.8 | 69 |
| 31 | Signaling in Unicellular Eukaryotes. International Review of Cytology, 1997, 177, 181-253. | 6.2 | 64 |
| 32 | EB1 Is Required for Primary Cilia Assembly in Fibroblasts. Current Biology, 2007, 17, 1134-1139. | 3.9 | 63 |
| 33 | CEP128 Localizes to the Subdistal Appendages of the Mother Centriole and Regulates TGF- \hat{I}^2 /BMP Signaling at the Primary Cilium. Cell Reports, 2018, 22, 2584-2592. | 6.4 | 59 |
| 34 | STAUROSPORINE-INDUCED CELL DEATH INTETRAHYMENA THERMOPHILAHAS MIXED CHARACTERISTICS OF BOTH APOPTOTIC AND AUTOPHAGIC DEGENERATION. Cell Biology International, 1998, 22, 591-598. | 3.0 | 57 |
| 35 | Regulation of the expression and subcellular localization of the taurine transporter TauT in mouse NIH3T3 fibroblasts. FEBS Journal, 2004, 271, 4646-4658. | 0.2 | 55 |
| 36 | KIF13B establishes a CAV1-enriched microdomain at the ciliary transition zone to promote Sonic hedgehog signalling. Nature Communications, 2017, 8, 14177. | 12.8 | 55 |

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|----|---|------|-----------|
| 37 | IFT20 modulates ciliary PDGFR β signaling by regulating the stability of Cbl E3 ubiquitin ligases. <i>Journal of Cell Biology</i> , 2018, 217, 151-161. | 5.2 | 54 |
| 38 | Mechanisms controlling death, survival and proliferation in a model unicellular eukaryote <i>Tetrahymena thermophila</i> . <i>Cell Death and Differentiation</i> , 1995, 2, 301-8. | 11.2 | 53 |
| 39 | Mechanisms of Activation of NHE by Cell Shrinkage and by Calyculin A in Ehrlich Ascites Tumor Cells. <i>Journal of Membrane Biology</i> , 2002, 189, 67-81. | 2.1 | 51 |
| 40 | Effects of osmotic stress on the activity of MAPKs and PDGFR β -mediated signal transduction in NIH-3T3 fibroblasts. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C1046-C1055. | 4.6 | 51 |
| 41 | TGF β 1 induced recruitment of human bone mesenchymal stem cells is mediated by the primary cilium in a SMAD3-dependent manner. <i>Scientific Reports</i> , 2016, 6, 35542. | 3.3 | 50 |
| 42 | Localization of the angiopoietin receptors Tie-1 and Tie-2 on the primary cilia in the female reproductive organs. <i>Cell Biology International</i> , 2005, 29, 340-346. | 3.0 | 48 |
| 43 | Inversin/Nephrocystin-2 Is Required for Fibroblast Polarity and Directional Cell Migration. <i>PLoS ONE</i> , 2013, 8, e60193. | 2.5 | 47 |
| 44 | The lissencephaly protein Lis1 is present in motile mammalian cilia and requires outer arm dynein for targeting to <i>Chlamydomonas flagella</i> . <i>Journal of Cell Science</i> , 2007, 120, 858-867. | 2.0 | 46 |
| 45 | A Ciliary Signaling Switch. <i>Science</i> , 2007, 317, 330-331. | 12.6 | 45 |
| 46 | The Ciliary Cytoskeleton. , 2012, 2, 779-803. | | 45 |
| 47 | CELL DEATH, SURVIVAL AND PROLIFERATION INTETRAHYMENA THERMOPHILA. EFFECTS OF INSULIN, SODIUM NITROPRUSSIDE, 8-BROMO CYCLIC GMP, NG-METHYL-L-ARGININE AND METHYLENE BLUE. <i>Cell Biology International</i> , 1996, 20, 653-666. | 3.0 | 43 |
| 48 | Signalling in cell growth and death: adequate nutrition alone may not be sufficient for ciliates A Minireview. <i>Cell Biology International</i> , 1993, 17, 817-824. | 3.0 | 42 |
| 49 | Insulin rescues the unicellular eukaryote <i>Tetrahymena</i> from dying in a complete, synthetic nutrient medium. <i>Cell Biology International</i> , 1993, 17, 833-838. | 3.0 | 40 |
| 50 | A Regulatory Light Chain of Ciliary Outer Arm Dynein in <i>Tetrahymena thermophila</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 20048-20054. | 3.4 | 40 |
| 51 | Identification of conserved, centrosome-targeting ASH domains in TRAPP11 complex subunits and TRAPPC8. <i>Cilia</i> , 2014, 3, 6. | 1.8 | 40 |
| 52 | Linking the Primary Cilium to Cell Migration in Tissue Repair and Brain Development. <i>BioScience</i> , 2014, 64, 1115-1125. | 4.9 | 38 |
| 53 | Regulation of ciliary membrane protein trafficking and signalling by kinesin motor proteins. <i>FEBS Journal</i> , 2018, 285, 4535-4564. | 4.7 | 37 |
| 54 | H-ras transformation sensitizes volume-activated anion channels and increases migratory activity of NIH3T3 fibroblasts. <i>Pflügers Archiv European Journal of Physiology</i> , 2008, 455, 1055-1062. | 2.8 | 35 |

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|----|---|------|-----------|
| 55 | TSC1 and TSC2 regulate cilia length and canonical Hedgehog signaling via different mechanisms. Cellular and Molecular Life Sciences, 2018, 75, 2663-2680. | 5.4 | 34 |
| 56 | RRP7A links primary microcephaly to dysfunction of ribosome biogenesis, resorption of primary cilia, and neurogenesis. Nature Communications, 2020, 11, 5816. | 12.8 | 34 |
| 57 | Proteomic Analysis of Human Blastocoel Fluid and Blastocyst Cells. Stem Cells and Development, 2013, 22, 1126-1135. | 2.1 | 32 |
| 58 | Cell context-specific expression of primary cilia in the human testis and ciliary coordination of Hedgehog signalling in mouse Leydig cells. Scientific Reports, 2015, 5, 10364. | 3.3 | 32 |
| 59 | CEP78 functions downstream of CEP350 to control biogenesis of primary cilia by negatively regulating CP110 levels. ELife, 2021, 10, . | 6.0 | 29 |
| 60 | Human RTEL1 associates with Poldip3 to facilitate responses to replication stress and R-loop resolution. Genes and Development, 2020, 34, 1065-1074. | 5.9 | 27 |
| 61 | CGRP-dependent signalling pathways involved in mouse models of GTN- cilostazol- and levromakalim-induced migraine. Cephalalgia, 2021, 41, 1413-1426. | 3.9 | 26 |
| 62 | CELL DEATH IN TETRAHYMENA THERMOPHILA: NEW OBSERVATIONS ON CULTURE CONDITIONS. Cell Biology International, 2001, 25, 509-519. | 3.0 | 25 |
| 63 | INSULIN PRODUCES A BIPHASIC RESPONSE INTETRAHYMENA THERMOPHILABY STIMULATING CELL SURVIVAL AND ACTIVATING PROLIFERATION IN TWO SEPARATE CONCENTRATION INTERVALS. Cell Biology International, 1996, 20, 437-444. | 3.0 | 24 |
| 64 | PDGFR ² and oncogenic, mutant PDGFR [±] D842V promote disassembly of primary cilia by a PLC ³ and AURKA dependent mechanism. Journal of Cell Science, 2015, 128, 3543-9. | 2.0 | 24 |
| 65 | Analysis of Primary Cilia in Directional Cell Migration in Fibroblasts. Methods in Enzymology, 2013, 525, 45-58. | 1.0 | 22 |
| 66 | The E3 ubiquitin ligase SMURF1 regulates cell-fate specification and outflow tract septation during mammalian heart development. Scientific Reports, 2018, 8, 9542. | 3.3 | 20 |
| 67 | High expression of the taurine transporter TauT in primary cilia of NIH3T3 fibroblasts. Cell Biology International, 2005, 29, 347-351. | 3.0 | 19 |
| 68 | Proteomic analysis of bovine blastocoel fluid and blastocyst cells. Systems Biology in Reproductive Medicine, 2014, 60, 127-135. | 2.1 | 19 |
| 69 | Immunofluorescence Microscopy and mRNA Analysis of Human Embryonic Stem Cells (hESCs) Including Primary Cilia Associated Signaling Pathways. Methods in Molecular Biology, 2014, 1307, 123-140. | 0.9 | 19 |
| 70 | TGF ² Signaling Increases Net Acid Extrusion, Proliferation and Invasion in Panc-1 Pancreatic Cancer Cells: SMAD4 Dependence and Link to Merlin/NF2 Signaling. Frontiers in Oncology, 2020, 10, 687. | 2.8 | 19 |
| 71 | N-acetylcysteine protects ovarian follicles from ischemia-reperfusion injury in xenotransplanted human ovarian tissue. Human Reproduction, 2021, 36, 429-443. | 0.9 | 19 |
| 72 | ALMS1 Regulates TGF- ² Signaling and Morphology of Primary Cilia. Frontiers in Cell and Developmental Biology, 2021, 9, 623829. | 3.7 | 17 |

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|----|---|------|-----------|
| 73 | Using Nucleofection of siRNA Constructs for Knockdown of Primary Cilia in P19.CL6 Cancer Stem Cell Differentiation into Cardiomyocytes. <i>Methods in Cell Biology</i> , 2009, 94, 181-197. | 1.1 | 16 |
| 74 | Mutation of the Planar Cell Polarity Gene VANGL1 in Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2017, 42, E702-E707. | 2.0 | 16 |
| 75 | Patient-specific three-dimensional explant spheroids derived from human nasal airway epithelium: a simple methodological approach for ex vivo studies of primary ciliary dyskinesia. <i>Cilia</i> , 2017, 6, 3. | 1.8 | 16 |
| 76 | Porphyrin Rings and Phospholipids: Stimulators of Cloning Efficiency in Certain Species of <i>Tetrahymena</i> . <i>Journal of Protozoology</i> , 1992, 39, 343-345. | 0.8 | 15 |
| 77 | Cell survival and multiplication The overriding need for signals: from unicellular to multicellular systems. <i>FEMS Microbiology Letters</i> , 1996, 137, 123-128. | 1.8 | 15 |
| 78 | Immunofluorescence and mRNA Analysis of Human Embryonic Stem Cells (hESCs) Grown Under Feeder-Free Conditions. <i>Methods in Molecular Biology</i> , 2009, 584, 195-210. | 0.9 | 15 |
| 79 | Characterization of an Ex vivo Femoral Head Model Assessed by Markers of Bone and Cartilage Turnover. <i>Cartilage</i> , 2011, 2, 265-278. | 2.7 | 15 |
| 80 | Regulating intraflagellar transport. <i>Nature Cell Biology</i> , 2012, 14, 904-906. | 10.3 | 15 |
| 81 | Human Embryonic Stem Cell-Derived Cardiomyocytes Self-Arrange with Areas of Different Subtypes During Differentiation. <i>Stem Cells and Development</i> , 2017, 26, 1566-1577. | 2.1 | 14 |
| 82 | Physiological studies on the effect of Ca ²⁺ on the duration of the lag phase of <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , 1994, 123, 33-36. | 1.8 | 13 |
| 83 | Challenges for the Sustainability of University-Run Biobanks. <i>Biopreservation and Biobanking</i> , 2018, 16, 312-321. | 1.0 | 12 |
| 84 | Evolutionary implications of localization of the signaling scaffold protein Parafusin to both cilia and the nucleus. <i>Cell Biology International</i> , 2015, 39, 136-145. | 3.0 | 11 |
| 85 | Smooth muscle ATP-sensitive potassium channels mediate migraine-relevant hypersensitivity in mouse models. <i>Cephalalgia</i> , 2022, 42, 93-107. | 3.9 | 11 |
| 86 | Origins of Signalling and Memory: Matters of Life Versus Death. <i>Acta Biologica Hungarica</i> , 1999, 50, 441-461. | 0.7 | 11 |
| 87 | Early-stage apoptosis is associated with DNA damage-independent ATM phosphorylation and chromatin decondensation in NIH3T3 fibroblasts. <i>Cell Biology International</i> , 2008, 32, 107-113. | 3.0 | 9 |
| 88 | Morphological and Functional Characterization of the Ciliary Pocket by Electron and Fluorescence Microscopy. <i>Methods in Molecular Biology</i> , 2016, 1454, 35-51. | 0.9 | 9 |
| 89 | Compounds stimulating growth and multiplication in ciliates. <i>Die Naturwissenschaften</i> , 1992, 79, 234-235. | 1.6 | 8 |
| 90 | Nutritional stress in <i>Tetrahymena</i> relieved by addition of hemin or phospholipids. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1992, 162, 107-110. | 1.5 | 7 |

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| 91 | Glucocorticoids exert context-dependent effects on cells of the joint in vitro. <i>Steroids</i> , 2011, 76, 1474-1482. | 1.8 | 7 |
| 92 | Ciliary Localization of the Intraflagellar Transport Protein IFT88 Is Disrupted in Cystic Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 120-123. | 2.9 | 6 |
| 93 | Angiotensin isoform 2 promotes binding of PALS1 to KIF13B at primary cilia and regulates ciliary length and signaling. <i>Journal of Cell Science</i> , 2022, 135, . | 2.0 | 6 |
| 94 | Using quantitative PCR to Identify Kinesin-3 Genes that are Upregulated During Growth Arrest in Mouse NIH3T3 Cells. <i>Methods in Cell Biology</i> , 2009, 94, 66-86. | 1.1 | 3 |
| 95 | Comparison of Cultured Human Cardiomyocyte Clusters Obtained from Embryos/Fetuses or Derived from Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2019, 28, 608-619. | 2.1 | 2 |
| 96 | Analysis of Caveolin in Primary Cilia. <i>Methods in Molecular Biology</i> , 2020, 2169, 27-41. | 0.9 | 1 |
| 97 | Physiological studies on the effect of Ca ²⁺ on the duration of the lag phase of <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , 1994, 123, 33-36. | 1.8 | 1 |
| 98 | EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. <i>Development (Cambridge)</i> , 2011, 138, e1608-e1608. | 2.5 | 0 |
| 99 | 309 PROTEOMIC ANALYSIS OF THE BLASTOCOEL FLUID AND REMAINING CELLS OF BOVINE BLASTOCYSTS. <i>Reproduction, Fertility and Development</i> , 2013, 25, 301. | 0.4 | 0 |