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List of Publications by Year
in descending order

Version: 2024-02-01

99 papers	7,730 citations	57752 44 h-index	54911 84 g-index
105 all docs	105 docs citations	105 times ranked	7401 citing authors

#	Article	IF	Citations
1	Smooth muscle ATP-sensitive potassium channels mediate migraine-relevant hypersensitivity in mouse models. Cephalalgia, 2022, 42, 93-107.	3.9	11
2	Angiomotin isoform 2 promotes binding of PALS1 to KIF13B at primary cilia and regulates ciliary length and signaling. Journal of Cell Science, 2022, 135, .	2.0	6
3	N-acetylcysteine protects ovarian follicles from ischemia-reperfusion injury in xenotransplanted human ovarian tissue. Human Reproduction, 2021, 36, 429-443.	0.9	19
4	ALMS1 Regulates TGF-Î² Signaling and Morphology of Primary Cilia. Frontiers in Cell and Developmental Biology, 2021, 9, 623829.	3.7	17
5	CEP78 functions downstream of CEP350 to control biogenesis of primary cilia by negatively regulating CP110 levels. ELife, 2021, 10, .	6.0	29
6	CGRP-dependent signalling pathways involved in mouse models of GTN- cilostazol- and levcromakalim-induced migraine. Cephalalgia, 2021, 41, 1413-1426.	3.9	26
7	Ciliary Localization of the Intraflagellar Transport Protein IFT88 Is Disrupted in Cystic Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 120-123.	2.9	6
8	RRP7A links primary microcephaly to dysfunction of ribosome biogenesis, resorption of primary cilia, and neurogenesis. Nature Communications, 2020, 11, 5816.	12.8	34
9	TGFÎ² 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
10	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
11	Analysis of Caveolin in Primary Cilia. Methods in Molecular Biology, 2020, 2169, 27-41.	0.9	1
12	Cellular signalling by primary cilia in development, organ function and disease. Nature Reviews Nephrology, 2019, 15, 199-219.	9.6	533
13	Comparison of Cultured Human Cardiomyocyte Clusters Obtained from Embryos/Fetuses or Derived from Human Embryonic Stem Cells. Stem Cells and Development, 2019, 28, 608-619.	2.1	2
14	CEP128 Localizes to the Subdistal Appendages of the Mother Centriole and Regulates TGF-Î²/BMP Signaling at the Primary Cilium. Cell Reports, 2018, 22, 2584-2592.	6.4	59
15	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
16	IFT20 modulates ciliary PDGFRÎ± signaling by regulating the stability of Cbl E3 ubiquitin ligases. Journal of Cell Biology, 2018, 217, 151-161.	5.2	54
17	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
18	Challenges for the Sustainability of University-Run Biobanks. Biopreservation and Biobanking, 2018, 16, 312-321.	1.0	12

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19	Regulation of ciliary membrane protein trafficking and signalling by kinesin motor proteins. FEBS Journal, 2018, 285, 4535-4564.	4.7	37
20	KIF13B establishes a CAV1-enriched microdomain at the ciliary transition zone to promote Sonic hedgehog signalling. Nature Communications, 2017, 8, 14177.	12.8	55
21	Mutation of the Planar Cell Polarity Gene VANGL1 in Adolescent Idiopathic Scoliosis. Spine, 2017, 42, E702-E707.	2.0	16
22	Human Embryonic Stem Cell-Derived Cardiomyocytes Self-Arrange with Areas of Different Subtypes During Differentiation. Stem Cells and Development, 2017, 26, 1566-1577.	2.1	14
23	Patient-specific three-dimensional explant spheroids derived from human nasal airway epithelium: a simple methodological approach for ex vivo studies of primary ciliary dyskinesia. Cilia, 2017, 6, 3.	1.8	16
24	Primary Cilia and Coordination of Receptor Tyrosine Kinase (RTK) and Transforming Growth Factor Î² (TGF-Î²) Signaling. Cold Spring Harbor Perspectives in Biology, 2017, 9, a028167.	5.5	103
25	Endocytic Control of Cellular Signaling at the Primary Cilium. Trends in Biochemical Sciences, 2016, 41, 784-797.	7.5	92
26	TGFÎ²1 â€“ induced recruitment of human bone mesenchymal stem cells is mediated by the primary cilium in a SMAD3-dependent manner. Scientific Reports, 2016, 6, 35542.	3.3	50
27	Morphological and Functional Characterization of the Ciliary Pocket by Electron and Fluorescence Microscopy. Methods in Molecular Biology, 2016, 1454, 35-51.	0.9	9
28	The intraflagellar transport machinery in ciliary signaling. Current Opinion in Structural Biology, 2016, 41, 98-108.	5.7	72
29	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
30	Ins and outs of <scp>GPCR</scp> signaling in primary cilia. EMBO Reports, 2015, 16, 1099-1113.	4.5	191
31	Evolutionary implications of localization of the signaling scaffold protein Parafusin to both cilia and the nucleus. Cell Biology International, 2015, 39, 136-145.	3.0	11
32	PDGFRÎ² and oncogenic, mutant PDGFRÎ± D842V promote disassembly of primary cilia by a PLCÎ³ and AURKA dependent mechanism. Journal of Cell Science, 2015, 128, 3543-9.	2.0	24
33	Proteomic analysis of bovine blastocoel fluid and blastocyst cells. Systems Biology in Reproductive Medicine, 2014, 60, 127-135.	2.1	19
34	Identification of conserved, centrosome-targeting ASH domains in TRAPPII complex subunits and TRAPPC8. Cilia, 2014, 3, 6.	1.8	40
35	Linking the Primary Cilium to Cell Migration in Tissue Repair and Brain Development. BioScience, 2014, 64, 1115-1125.	4.9	38
36	Cilia and coordination of signaling networks during heart development. Organogenesis, 2014, 10, 108-125.	1.2	77

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37	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
38	PDGFRÎ± 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
39	TGF-Î² Signaling Is Associated with Endocytosis at the Pocket Region of the Primary Cilium. Cell Reports, 2013, 3, 1806-1814.	6.4	248
40	Analysis of Primary Cilia in Directional Cell Migration in Fibroblasts. Methods in Enzymology, 2013, 525, 45-58.	1.0	22
41	Proteomic Analysis of Human Blastocoel Fluid and Blastocyst Cells. Stem Cells and Development, 2013, 22, 1126-1135.	2.1	32
42	Inversin/Nephrocystin-2 Is Required for Fibroblast Polarity and Directional Cell Migration. PLoS ONE, 2013, 8, e60193.	2.5	47
43	309 PROTEOMIC ANALYSIS OF THE BLASTOCOEL FLUID AND REMAINING CELLS OF BOVINE BLASTOCYSTS. Reproduction, Fertility and Development, 2013, 25, 301.	0.4	0
44	The Ciliary Cytoskeleton. , 2012, 2, 779-803.		45
45	Regulating intraflagellar transport. Nature Cell Biology, 2012, 14, 904-906.	10.3	15
46	Primary cilia and aberrant cell signaling in epithelial ovarian cancer. Cilia, 2012, 1, 15.	1.8	72
47	Primary cilia and coordination of receptor tyrosine kinase (RTK) signalling. Journal of Pathology, 2012, 226, 172-184.	4.5	151
48	Characterization of an Ex vivo Femoral Head Model Assessed by Markers of Bone and Cartilage Turnover. Cartilage, 2011, 2, 265-278.	2.7	15
49	Glucocorticoids exert context-dependent effects on cells of the joint in vitro. Steroids, 2011, 76, 1474-1482.	1.8	7
50	EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. Journal of Cell Science, 2011, 124, 2539-2551.	2.0	95
51	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
52	EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. Development (Cambridge), 2011, 138, e1608-e1608.	2.5	0
53	The primary cilium at a glance. Journal of Cell Science, 2010, 123, 499-503.	2.0	455
54	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

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55	Primary Cilia and Signaling Pathways in Mammalian Development, Health and Disease. Nephron Physiology, 2009, 111, p39-p53.	1.2	241
56	Using Nucleofection of siRNA Constructs for Knockdown of Primary Cilia in P19.CL6 Cancer Stem Cell Differentiation into Cardiomyocytes. Methods in Cell Biology, 2009, 94, 181-197.	1.1	16
57	Using quantitative PCR to Identify Kinesin-3 Genes that are Upregulated During Growth Arrest in Mouse NIH3T3 Cells. Methods in Cell Biology, 2009, 94, 66-86.	1.1	3
58	The Na+/H+ exchanger NHE1 is required for directional migration stimulated via PDGFR-Î± in the primary cilium. Journal of Cell Biology, 2009, 185, 163-176.	5.2	85
59	The primary cilium coordinates early cardiogenesis and hedgehog signaling in cardiomyocyte differentiation. Journal of Cell Science, 2009, 122, 3070-3082.	2.0	91
60	Immunoflourescence and mRNA Analysis of Human Embryonic Stem Cells (hESCs) Grown Under Feeder-Free Conditions. Methods in Molecular Biology, 2009, 584, 195-210.	0.9	15
61	Structure and function of mammalian cilia. Histochemistry and Cell Biology, 2008, 129, 687-693.	1.7	168
62	H-ras transformation sensitizes volume-activated anion channels and increases migratory activity of NIH3T3 fibroblasts. Pflugers Archiv European Journal of Physiology, 2008, 455, 1055-1062.	2.8	35
63	Assembly of primary cilia. Developmental Dynamics, 2008, 237, 1993-2006.	1.8	180
64	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
65	Earlyâ€stage apoptosis is associated with DNAâ€damageâ€independent ATM phosphorylation and chromatin decondensation in NIH3T3 fibroblasts. Cell Biology International, 2008, 32, 107-113.	3.0	9
66	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
67	Effects of osmotic stress on the activity of MAPKs and PDGFR-Î²-mediated signal transduction in NIH-3T3 fibroblasts. American Journal of Physiology - Cell Physiology, 2008, 294, C1046-C1055.	4.6	51
68	Human embryonic stem cells in culture possess primary cilia with hedgehog signaling machinery. Journal of Cell Biology, 2008, 180, 897-904.	5.2	135
69	The lissencephaly protein Lis1 is present in motile mammalian cilia and requires outer arm dynein for targeting to Chlamydomonas flagella. Journal of Cell Science, 2007, 120, 858-867.	2.0	46
70	A Ciliary Signaling Switch. Science, 2007, 317, 330-331.	12.6	45
71	Overview of Structure and Function of Mammalian Cilia. Annual Review of Physiology, 2007, 69, 377-400.	13.1	941
72	Sensory Cilia and Integration of Signal Transduction in Human Health and Disease. Traffic, 2007, 8, 97-109.	2.7	222

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73	EB1 Is Required for Primary Cilia Assembly in Fibroblasts. Current Biology, 2007, 17, 1134-1139.	3.9	63
74	Expression and localization of the progesterone receptor in mouse and human reproductive organs. Journal of Endocrinology, 2006, 191, 525-535.	2.6	123
75	Localization of the angiopoietin receptors Tie-1 and Tie-2 on the primary cilia in the female reproductive organs. Cell Biology International, 2005, 29, 340-346.	3.0	48
76	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
77	Cell shrinkage as a signal to apoptosis in NIH 3T3 fibroblasts. Journal of Physiology, 2005, 567, 427-443.	2.9	133
78	PDGFRÎ±Î± Signaling Is Regulated through the Primary Cilium in Fibroblasts. Current Biology, 2005, 15, 1861-1866.	3.9	517
79	High expression of the taurine transporter TauT in primary cilia of NIH3T3 fibroblasts. Cell Biology International, 2005, 29, 347-351.	3.0	19
80	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
81	Insulin receptor-like proteins in Tetrahymena thermophila ciliary membranes. Current Biology, 2003, 13, R50-R52.	3.9	88
82	Mechanisms of Activation of NHE by Cell Shrinkage and by Calyculin A in Ehrlich Ascites Tumor Cells. Journal of Membrane Biology, 2002, 189, 67-81.	2.1	51
83	CELL DEATH IN TETRAHYMENA THERMOPHILA: NEW OBSERVATIONS ON CULTURE CONDITIONS. Cell Biology International, 2001, 25, 509-519.	3.0	25
84	A Regulatory Light Chain of Ciliary Outer Arm Dynein inTetrahymena thermophila. Journal of Biological Chemistry, 2001, 276, 20048-20054.	3.4	40
85	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
86	Origins of Signalling and Memory: Matters of Life Versus Death. Acta Biologica Hungarica, 1999, 50, 441-461.	0.7	11
87	STAUROSPORINE-INDUCED CELL DEATH INTETRAHYMENA THERMOPHILAHAS MIXED CHARACTERISTICS OF BOTH APOPTOTIC AND AUTOPHAGIC DEGENERATION. Cell Biology International, 1998, 22, 591-598.	3.0	57
88	Signaling in Unicellular Eukaryotes. International Review of Cytology, 1997, 177, 181-253.	6.2	64
89	Cell survival and multiplication The overriding need for signals: from unicellular to multicellular systems. FEMS Microbiology Letters, 1996, 137, 123-128.	1.8	15
90	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

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91	CELL DEATH, SURVIVAL AND PROLIFERATION INTETRAHYMENA THERMOPHILA. EFFECTS OF INSULIN, SODIUM NITROPRUSSIDE, 8-BROMO CYCLIC GMP, NG-METHYL-L-ARGININE AND METHYLENE BLUE. Cell Biology International, 1996, 20, 653-666.	3.0	43
92	Mechanisms controlling death, survival and proliferation in a model unicellular eukaryote Tetrahymena thermophila. Cell Death and Differentiation, 1995, 2, 301-8.	11.2	53
93	Physiological studies on the effect of Ca2+on the duration of the lag phase ofSaccharomyces cerevisiae. FEMS Microbiology Letters, 1994, 123, 33-36.	1.8	13
94	Physiological studies on the effect of Ca2+ on the duration of the lag phase of Saccharomyces cerevisiae. FEMS Microbiology Letters, 1994, 123, 33-36.	1.8	1
95	Signalling in cell growth and death: adequate nutrition alone may not be sufficient for ciliates A Minireview. Cell Biology International, 1993, 17, 817-824.	3.0	42
96	Insulin rescues the unicellular eukaryote Tetrahymena from dying in a complete, synthetic nutrient medium. Cell Biology International, 1993, 17, 833-838.	3.0	40
97	Nutritional stress in Tetrahymena relieved by addition of hemin or phospholipids. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1992, 162, 107-110.	1.5	7
98	Compounds stimulating growth and multiplication in ciliates. Die Naturwissenschaften, 1992, 79, 234-235.	1.6	8
99	Porphyrin Rings and Phospholipids: Stimulators of Cloning Efficiency in Certain Species ofTetrahymena. Journal of Protozoology, 1992, 39, 343-345.	0.8	15