

Jeremy F Reiter

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

12,062
citations

44069

48
h-index

66911

78
g-index

100
all docs

100
docs citations

100
times ranked

11765
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertebrate Smoothed functions at the primary cilium. <i>Nature</i> , 2005, 437, 1018-1021.	27.8	1,317
2	Genes and molecular pathways underpinning ciliopathies. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 533-547.	37.0	1,135
3	The Primary Cilium as the Cell's Antenna: Signaling at a Sensory Organelle. <i>Science</i> , 2006, 313, 629-633.	12.6	1,012
4	A transition zone complex regulates mammalian ciliogenesis and ciliary membrane composition. <i>Nature Genetics</i> , 2011, 43, 776-784.	21.4	556
5	Mapping the NPHP-JBTS-MKS Protein Network Reveals Ciliopathy Disease Genes and Pathways. <i>Cell</i> , 2011, 145, 513-528.	28.9	531
6	Kif3a constrains β -catenin-dependent Wnt signalling through dual ciliary and non-ciliary mechanisms. <i>Nature Cell Biology</i> , 2008, 10, 70-76.	10.3	458
7	Primary cilia can both mediate and suppress Hedgehog pathway-dependent tumorigenesis. <i>Nature Medicine</i> , 2009, 15, 1055-1061.	30.7	431
8	The base of the cilium: roles for transition fibres and the transition zone in ciliary formation, maintenance and compartmentalization. <i>EMBO Reports</i> , 2012, 13, 608-618.	4.5	420
9	Loss of the retrograde motor for IFT disrupts localization of Smo to cilia and prevents the expression of both activator and repressor functions of Gli. <i>Developmental Biology</i> , 2005, 287, 378-389.	2.0	386
10	The Tabula Sapiens: A multiple-organ, single-cell transcriptomic atlas of humans. <i>Science</i> , 2022, 376, eabl4896.	12.6	289
11	Cell-Type-Specific Alternative Splicing Governs Cell Fate in the Developing Cerebral Cortex. <i>Cell</i> , 2016, 166, 1147-1162.e15.	28.9	276
12	Phosphoinositides Regulate Ciliary Protein Trafficking to Modulate Hedgehog Signaling. <i>Developmental Cell</i> , 2015, 34, 400-409.	7.0	274
13	Dynamic Remodeling of Membrane Composition Drives Cell Cycle through Primary Cilia Excision. <i>Cell</i> , 2017, 168, 264-279.e15.	28.9	273
14	Odf1, a Human Disease Gene, Regulates the Length and Distal Structure of Centrioles. <i>Developmental Cell</i> , 2010, 18, 410-424.	7.0	239
15	Scoring a backstage pass: Mechanisms of ciliogenesis and ciliary access. <i>Journal of Cell Biology</i> , 2012, 197, 697-709.	5.2	221
16	Open Sesame: How Transition Fibers and the Transition Zone Control Ciliary Composition. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a028134.	5.5	218
17	Chapter 9 The Primary Cilium. <i>Current Topics in Developmental Biology</i> , 2008, 85, 225-260.	2.2	180
18	Subcellular localization of MC4R with ADCY3 at neuronal primary cilia underlies a common pathway for genetic predisposition to obesity. <i>Nature Genetics</i> , 2018, 50, 180-185.	21.4	175

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19	Ciliary Hedgehog Signaling Restricts Injury-Induced Adipogenesis. <i>Cell</i> , 2017, 170, 340-351.e12.	28.9	173
20	Polycomb-like 2 Associates with PRC2 and Regulates Transcriptional Networks during Mouse Embryonic Stem Cell Self-Renewal and Differentiation. <i>Cell Stem Cell</i> , 2010, 6, 153-166.	11.1	165
21	Omega-3 Fatty Acids Activate Ciliary FFAR4 to Control Adipogenesis. <i>Cell</i> , 2019, 179, 1289-1305.e21.	28.9	159
22	C2cd3 is critical for centriolar distal appendage assembly and ciliary vesicle docking in mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2164-2169.	7.1	146
23	Super-resolution microscopy reveals that disruption of ciliary transition-zone architecture causes Joubert's syndrome. <i>Nature Cell Biology</i> , 2017, 19, 1178-1188.	10.3	138
24	Disruption of a Ciliary B9 Protein Complex Causes Meckel Syndrome. <i>American Journal of Human Genetics</i> , 2011, 89, 94-110.	6.2	136
25	How the Ciliary Membrane Is Organized Inside-Out to Communicate Outside-In. <i>Current Biology</i> , 2018, 28, R421-R434.	3.9	123
26	Hedgehog Signaling Controls T Cell Killing at the Immunological Synapse. <i>Science</i> , 2013, 342, 1247-1250.	12.6	119
27	Centriolar satellites assemble centrosomal microcephaly proteins to recruit CDK2 and promote centriole duplication. <i>ELife</i> , 2015, 4, .	6.0	118
28	Microcephaly Proteins Wdr62 and Aspm Define a Mother Centriole Complex Regulating Centriole Biogenesis, Apical Complex, and Cell Fate. <i>Neuron</i> , 2016, 92, 813-828.	8.1	116
29	Tectonic, a novel regulator of the Hedgehog pathway required for both activation and inhibition. <i>Genes and Development</i> , 2006, 20, 22-27.	5.9	107
30	Wounding mobilizes hair follicle stem cells to form tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4093-4098.	7.1	106
31	Cilia-Associated Oxysterols Activate Smoothed. <i>Molecular Cell</i> , 2018, 72, 316-327.e5.	9.7	100
32	MKS5 and CEP290 Dependent Assembly Pathway of the Ciliary Transition Zone. <i>PLoS Biology</i> , 2016, 14, e1002416.	5.6	98
33	TMEM231, mutated in orofacioidigital and Meckel syndromes, organizes the ciliary transition zone. <i>Journal of Cell Biology</i> , 2015, 209, 129-142.	5.2	95
34	Evolutionary Proteomics Uncovers Ancient Associations of Cilia with Signaling Pathways. <i>Developmental Cell</i> , 2017, 43, 744-762.e11.	7.0	92
35	Katanin p80 Regulates Human Cortical Development by Limiting Centriole and Cilia Number. <i>Neuron</i> , 2014, 84, 1240-1257.	8.1	89
36	Polycomb-Like 3 Promotes Polycomb Repressive Complex 2 Binding to CpG Islands and Embryonic Stem Cell Self-Renewal. <i>PLoS Genetics</i> , 2012, 8, e1002576.	3.5	85

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37	Cilia and Obesity. Cold Spring Harbor Perspectives in Biology, 2017, 9, a028217.	5.5	84
38	Brain Somatic Mutations in MTOR Disrupt Neuronal Ciliogenesis, Leading to Focal Cortical Dyslamination. Neuron, 2018, 99, 83-97.e7.	8.1	83
39	The Extracellular Domain of Smoothed Regulates Ciliary Localization and Is Required for High-Level Hh Signaling. Current Biology, 2009, 19, 1034-1039.	3.9	81
40	Bmp2b and Oep Promote Early Myocardial Differentiation through Their Regulation of gata5. Developmental Biology, 2001, 234, 330-338.	2.0	80
41	Endothelial primary cilia inhibit atherosclerosis. EMBO Reports, 2016, 17, 156-166.	4.5	78
42	Kif3a interacts with Dynactin subunit p150Glued to organize centriole subdistal appendages. EMBO Journal, 2013, 32, 597-607.	7.8	73
43	Vertebrate cells differentially interpret ciliary and extraciliary cAMP. Cell, 2021, 184, 2911-2926.e18.	28.9	73
44	Misactivation of Hedgehog signaling causes inherited and sporadic cancers. Journal of Clinical Investigation, 2019, 129, 465-475.	8.2	72
45	Conserved Genetic Interactions between Ciliopathy Complexes Cooperatively Support Ciliogenesis and Ciliary Signaling. PLoS Genetics, 2015, 11, e1005627.	3.5	71
46	Hedgehog signaling drives medulloblastoma growth via CDK6. Journal of Clinical Investigation, 2017, 128, 120-124.	8.2	55
47	Neur-ons and neur-offs: regulators of neural induction in vertebrate embryos and embryonic stem cells. Human Molecular Genetics, 2008, 17, R60-R66.	2.9	54
48	Hair follicle and interfollicular epidermal stem cells make varying contributions to wound regeneration. Cell Cycle, 2015, 14, 3408-3417.	2.6	51
49	How the centriole builds its cilium: of mothers, daughters, and the acquisition of appendages. Current Opinion in Structural Biology, 2021, 66, 41-48.	5.7	48
50	A high-fat diet regulates gastrin and acid secretion through primary cilia. FASEB Journal, 2012, 26, 3127-3139.	0.5	44
51	A central region of Gli2 regulates its localization to the primary cilium and transcriptional activity. Journal of Cell Science, 2014, 127, 1500-10.	2.0	44
52	Small molecule inhibitors of Smoothed ciliary localization and ciliogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13644-13649.	7.1	41
53	A primer on the mouse basal body. Cilia, 2016, 5, 17.	1.8	41
54	Melanocortin 4 receptor signals at the neuronal primary cilium to control food intake and body weight. Journal of Clinical Investigation, 2021, 131, .	8.2	41

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55	Label-retention expansion microscopy. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	31
56	Trask Loss Enhances Tumorigenic Growth by Liberating Integrin Signaling and Growth Factor Receptor Cross-Talk in Unanchored Cells. <i>Cancer Research</i> , 2013, 73, 1168-1179.	0.9	28
57	The Ciliogenic Protein Oral-Facial-Digital 1 Regulates the Neuronal Differentiation of Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2011, 20, 831-841.	2.1	27
58	Vesicle transport, cilium formation, and membrane specialization: The origins of a sensory organelle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18383-18384.	7.1	26
59	Floxin, a resource for genetically engineering mouse ESCs. <i>Nature Methods</i> , 2010, 7, 50-52.	19.0	26
60	A ciliopathy complex builds distal appendages to initiate ciliogenesis. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	26
61	Sterol and oxysterol synthases near the ciliary base activate the Hedgehog pathway. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	20
62	SFI1 promotes centriole duplication by recruiting USP9X to stabilize the microcephaly protein STIL. <i>Journal of Cell Biology</i> , 2019, 218, 2185-2197.	5.2	18
63	A transient role of the ciliary gene <i>Inpp5e</i> in controlling direct versus indirect neurogenesis in cortical development. <i>ELife</i> , 2020, 9, .	6.0	18
64	Ciliary Vesicle Formation: A Prelude to Ciliogenesis. <i>Developmental Cell</i> , 2015, 32, 665-666.	7.0	17
65	Hedgehog Pathway Activation Alters Ciliary Signaling in Primary Hypothalamic Cultures. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 266.	3.7	17
66	Smoothed-activating lipids drive resistance to CDK4/6 inhibition in Hedgehog-associated medulloblastoma cells and preclinical models. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	17
67	Deformed alignment of super-resolution images for semi-flexible structures. <i>PLoS ONE</i> , 2019, 14, e0212735.	2.5	13
68	Tilting at Nodal Windmills: Planar Cell Polarity Positions Cilia to Tell Left from Right. <i>Developmental Cell</i> , 2010, 19, 5-6.	7.0	12
69	Ciliary Hedgehog signaling patterns the digestive system to generate mechanical forces driving elongation. <i>Nature Communications</i> , 2021, 12, 7186.	12.8	11
70	Endoderm development requires centrioles to restrain p53-mediated apoptosis in the absence of ERK activity. <i>Developmental Cell</i> , 2021, 56, 3334-3348.e6.	7.0	9
71	The Intimate Connection Between Lipids and Hedgehog Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	8
72	A Cilium Is Not a Cilium Is Not a Cilium: Signaling Contributes to Ciliary Morphological Diversity. <i>Developmental Cell</i> , 2008, 14, 635-636.	7.0	7

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73	Thyroid-specific inactivation of KIF3A alters the TSH signaling pathway and leads to hypothyroidism. <i>Journal of Molecular Endocrinology</i> , 2013, 50, 375-387.	2.5	5
74	Ciliary Hedgehog signaling regulates cell survival to build the facial midline. <i>ELife</i> , 2021, 10, .	6.0	4
75	Zika virus alters centrosome organization to suppress the innate immune response. <i>EMBO Reports</i> , 2022, 23, .	4.5	4
76	Crippling SWI-SNF makes tumors GLI-ful. <i>Nature Medicine</i> , 2010, 16, 1374-1376.	30.7	3
77	Restricted Access: the Transition Zone Controls Ciliary Composition and Signaling. <i>FASEB Journal</i> , 2015, 29, 78.2.	0.5	1
78	<i>Vive la science</i> ! <i>Vive le hÃ©risson</i> !. <i>EMBO Reports</i> , 2010, 11, 566-568.	4.5	0
79	Tectonics form a transition zone complex of ciliopathy proteins that regulate ciliary composition. <i>FASEB Journal</i> , 2012, 26, 84.1.	0.5	0
80	A kinesin mimics DNA. <i>Nature Cell Biology</i> , 2022, 24, 1015-1016.	10.3	0