

Jeremy F Reiter

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

12,062
citations

43973

48
h-index

66788

78
g-index

100
all docs

100
docs citations

100
times ranked

11765
citing authors

#	ARTICLE	IF	CITATIONS
1	The Tabula Sapiens: A multiple-organ, single-cell transcriptomic atlas of humans. <i>Science</i> , 2022, 376, eabl4896.	6.0	289
2	Zika virus alters centrosome organization to suppress the innate immune response. <i>EMBO Reports</i> , 2022, 23, .	2.0	4
3	A kinesin mimics DNA. <i>Nature Cell Biology</i> , 2022, 24, 1015-1016.	4.6	0
4	How the centriole builds its cilium: of mothers, daughters, and the acquisition of appendages. <i>Current Opinion in Structural Biology</i> , 2021, 66, 41-48.	2.6	48
5	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, .	3.9	17
6	Melanocortin 4 receptor signals at the neuronal primary cilium to control food intake and body weight. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	41
7	Vertebrate cells differentially interpret ciliary and extraciliary cAMP. <i>Cell</i> , 2021, 184, 2911-2926.e18.	13.5	73
8	Label-retention expansion microscopy. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	31
9	A ciliopathy complex builds distal appendages to initiate ciliogenesis. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	26
10	Sterol and oxysterol synthases near the ciliary base activate the Hedgehog pathway. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	20
11	Ciliary Hedgehog signaling regulates cell survival to build the facial midline. <i>ELife</i> , 2021, 10, .	2.8	4
12	Ciliary Hedgehog signaling patterns the digestive system to generate mechanical forces driving elongation. <i>Nature Communications</i> , 2021, 12, 7186.	5.8	11
13	Endoderm development requires centrioles to restrain p53-mediated apoptosis in the absence of ERK activity. <i>Developmental Cell</i> , 2021, 56, 3334-3348.e6.	3.1	9
14	A transient role of the ciliary gene <i>Inpp5e</i> in controlling direct versus indirect neurogenesis in cortical development. <i>ELife</i> , 2020, 9, .	2.8	18
15	Hedgehog Pathway Activation Alters Ciliary Signaling in Primary Hypothalamic Cultures. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 266.	1.8	17
16	Deformed alignment of super-resolution images for semi-flexible structures. <i>PLoS ONE</i> , 2019, 14, e0212735.	1.1	13
17	SFI1 promotes centriole duplication by recruiting USP9X to stabilize the microcephaly protein STIL. <i>Journal of Cell Biology</i> , 2019, 218, 2185-2197.	2.3	18
18	Omega-3 Fatty Acids Activate Ciliary FFAR4 to Control Adipogenesis. <i>Cell</i> , 2019, 179, 1289-1305.e21.	13.5	159

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19	Misactivation of Hedgehog signaling causes inherited and sporadic cancers. <i>Journal of Clinical Investigation</i> , 2019, 129, 465-475.	3.9	72
20	How the Ciliary Membrane Is Organized Inside-Out to Communicate Outside-In. <i>Current Biology</i> , 2018, 28, R421-R434.	1.8	123
21	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.	9.4	175
22	Cilia-Associated Oxysterols Activate Smoothed. <i>Molecular Cell</i> , 2018, 72, 316-327.e5.	4.5	100
23	Brain Somatic Mutations in MTOR Disrupt Neuronal Ciliogenesis, Leading to Focal Cortical Dyslamination. <i>Neuron</i> , 2018, 99, 83-97.e7.	3.8	83
24	Cilia and Obesity. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a028217.	2.3	84
25	Dynamic Remodeling of Membrane Composition Drives Cell Cycle through Primary Cilia Excision. <i>Cell</i> , 2017, 168, 264-279.e15.	13.5	273
26	Ciliary Hedgehog Signaling Restricts Injury-Induced Adipogenesis. <i>Cell</i> , 2017, 170, 340-351.e12.	13.5	173
27	Genes and molecular pathways underpinning ciliopathies. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 533-547.	16.1	1,135
28	Open Sesame: How Transition Fibers and the Transition Zone Control Ciliary Composition. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a028134.	2.3	218
29	Evolutionary Proteomics Uncovers Ancient Associations of Cilia with Signaling Pathways. <i>Developmental Cell</i> , 2017, 43, 744-762.e11.	3.1	92
30	Super-resolution microscopy reveals that disruption of ciliary transition-zone architecture causes Joubert syndrome. <i>Nature Cell Biology</i> , 2017, 19, 1178-1188.	4.6	138
31	Hedgehog signaling drives medulloblastoma growth via CDK6. <i>Journal of Clinical Investigation</i> , 2017, 128, 120-124.	3.9	55
32	MKS5 and CEP290 Dependent Assembly Pathway of the Ciliary Transition Zone. <i>PLoS Biology</i> , 2016, 14, e1002416.	2.6	98
33	A primer on the mouse basal body. <i>Cilia</i> , 2016, 5, 17.	1.8	41
34	Cell-Type-Specific Alternative Splicing Governs Cell Fate in the Developing Cerebral Cortex. <i>Cell</i> , 2016, 166, 1147-1162.e15.	13.5	276
35	Endothelial primary cilia inhibit atherosclerosis. <i>EMBO Reports</i> , 2016, 17, 156-166.	2.0	78
36	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.	3.8	116

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37	Centriolar satellites assemble centrosomal microcephaly proteins to recruit CDK2 and promote centriole duplication. <i>ELife</i> , 2015, 4, .	2.8	118
38	Ciliary Vesicle Formation: A Prelude to Ciliogenesis. <i>Developmental Cell</i> , 2015, 32, 665-666.	3.1	17
39	TMEM231, mutated in orofacioidigital and Meckel syndromes, organizes the ciliary transition zone. <i>Journal of Cell Biology</i> , 2015, 209, 129-142.	2.3	95
40	Hair follicle and interfollicular epidermal stem cells make varying contributions to wound regeneration. <i>Cell Cycle</i> , 2015, 14, 3408-3417.	1.3	51
41	Phosphoinositides Regulate Ciliary Protein Trafficking to Modulate Hedgehog Signaling. <i>Developmental Cell</i> , 2015, 34, 400-409.	3.1	274
42	Conserved Genetic Interactions between Ciliopathy Complexes Cooperatively Support Ciliogenesis and Ciliary Signaling. <i>PLoS Genetics</i> , 2015, 11, e1005627.	1.5	71
43	Restricted Access: the Transition Zone Controls Ciliary Composition and Signaling. <i>FASEB Journal</i> , 2015, 29, 78.2.	0.2	1
44	Katanin p80 Regulates Human Cortical Development by Limiting Centriole and Cilia Number. <i>Neuron</i> , 2014, 84, 1240-1257.	3.8	89
45	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.	3.3	146
46	A central region of Gli2 regulates its localization to the primary cilium and transcriptional activity. <i>Journal of Cell Science</i> , 2014, 127, 1500-10.	1.2	44
47	Hedgehog Signaling Controls T Cell Killing at the Immunological Synapse. <i>Science</i> , 2013, 342, 1247-1250.	6.0	119
48	Kif3a interacts with Dynactin subunit p150Glued to organize centriole subdistal appendages. <i>EMBO Journal</i> , 2013, 32, 597-607.	3.5	73
49	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.	0.4	28
50	Thyroid-specific inactivation of KIF3A alters the TSH signaling pathway and leads to hypothyroidism. <i>Journal of Molecular Endocrinology</i> , 2013, 50, 375-387.	1.1	5
51	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.	1.5	85
52	Small molecule inhibitors of Smoothed ciliary localization and ciliogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13644-13649.	3.3	41
53	Scoring a backstage pass: Mechanisms of ciliogenesis and ciliary access. <i>Journal of Cell Biology</i> , 2012, 197, 697-709.	2.3	221
54	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.	2.0	420

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55	A high-fat diet regulates gastrin and acid secretion through primary cilia. <i>FASEB Journal</i> , 2012, 26, 3127-3139.	0.2	44
56	Tectonics form a transition zone complex of ciliopathy proteins that regulate ciliary composition. <i>FASEB Journal</i> , 2012, 26, 84.1.	0.2	0
57	A transition zone complex regulates mammalian ciliogenesis and ciliary membrane composition. <i>Nature Genetics</i> , 2011, 43, 776-784.	9.4	556
58	Mapping the NPHP-JBTS-MKS Protein Network Reveals Ciliopathy Disease Genes and Pathways. <i>Cell</i> , 2011, 145, 513-528.	13.5	531
59	Disruption of a Ciliary B9 Protein Complex Causes Meckel Syndrome. <i>American Journal of Human Genetics</i> , 2011, 89, 94-110.	2.6	136
60	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.	1.1	27
61	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.	3.3	106
62	<i>Vive la science</i> ! <i>Vive le hÃ©risson</i> !. <i>EMBO Reports</i> , 2010, 11, 566-568.	2.0	0
63	Crippling SWI-SNF makes tumors G1-ful. <i>Nature Medicine</i> , 2010, 16, 1374-1376.	15.2	3
64	Floxin, a resource for genetically engineering mouse ESCs. <i>Nature Methods</i> , 2010, 7, 50-52.	9.0	26
65	Odf1, a Human Disease Gene, Regulates the Length and Distal Structure of Centrioles. <i>Developmental Cell</i> , 2010, 18, 410-424.	3.1	239
66	Tilting at Nodal Windmills: Planar Cell Polarity Positions Cilia to Tell Left from Right. <i>Developmental Cell</i> , 2010, 19, 5-6.	3.1	12
67	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.	5.2	165
68	Primary cilia can both mediate and suppress Hedgehog pathway-dependent tumorigenesis. <i>Nature Medicine</i> , 2009, 15, 1055-1061.	15.2	431
69	The Extracellular Domain of Smoothed Regulates Ciliary Localization and Is Required for High-Level Hh Signaling. <i>Current Biology</i> , 2009, 19, 1034-1039.	1.8	81
70	Kif3a constrains β -catenin-dependent Wnt signalling through dual ciliary and non-ciliary mechanisms. <i>Nature Cell Biology</i> , 2008, 10, 70-76.	4.6	458
71	Chapter 9 The Primary Cilium. <i>Current Topics in Developmental Biology</i> , 2008, 85, 225-260.	1.0	180
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.	3.1	7

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73	Neur-ons and neur-offs: regulators of neural induction in vertebrate embryos and embryonic stem cells. <i>Human Molecular Genetics</i> , 2008, 17, R60-R66.	1.4	54
74	The Primary Cilium as the Cell's Antenna: Signaling at a Sensory Organelle. <i>Science</i> , 2006, 313, 629-633.	6.0	1,012
75	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.	3.3	26
76	Tectonic, a novel regulator of the Hedgehog pathway required for both activation and inhibition. <i>Genes and Development</i> , 2006, 20, 22-27.	2.7	107
77	Vertebrate Smoothed functions at the primary cilium. <i>Nature</i> , 2005, 437, 1018-1021.	13.7	1,317
78	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.	0.9	386
79	Bmp2b and Oep Promote Early Myocardial Differentiation through Their Regulation of gata5. <i>Developmental Biology</i> , 2001, 234, 330-338.	0.9	80
80	The Intimate Connection Between Lipids and Hedgehog Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	8