

Brian J Mitchell

List of Publications by Year in descending order

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41
papers

2,911
citations

394421

19
h-index

302126

39
g-index

44
all docs

44
docs citations

44
times ranked

3416
citing authors

#	ARTICLE	IF	CITATIONS
1	Dishevelled controls apical docking and planar polarization of basal bodies in ciliated epithelial cells. <i>Nature Genetics</i> , 2008, 40, 871-879.	21.4	419
2	Reversible centriole depletion with an inhibitor of Polo-like kinase 4. <i>Science</i> , 2015, 348, 1155-1160.	12.6	372
3	Strange as it may seem: the many links between Wnt signaling, planar cell polarity, and cilia: Figure 1.. <i>Genes and Development</i> , 2011, 25, 201-213.	5.9	280
4	A positive feedback mechanism governs the polarity and motion of motile cilia. <i>Nature</i> , 2007, 447, 97-101.	27.8	261
5	ZMYND10 Is Mutated in Primary Ciliary Dyskinesia and Interacts with LRRC6. <i>American Journal of Human Genetics</i> , 2013, 93, 336-345.	6.2	183
6	The PCP Pathway Instructs the Planar Orientation of Ciliated Cells in the <i>Xenopus</i> Larval Skin. <i>Current Biology</i> , 2009, 19, 924-929.	3.9	179
7	Actin and microtubules drive differential aspects of planar cell polarity in multiciliated cells. <i>Journal of Cell Biology</i> , 2011, 195, 19-26.	5.2	165
8	Deuterosome-Mediated Centriole Biogenesis. <i>Developmental Cell</i> , 2013, 27, 103-112.	7.0	128
9	A Small-Molecule Agonist of the Wnt Signaling Pathway. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1987-1990.	13.8	119
10	The hydrolethalus syndrome protein HYLS-1 links core centriole structure to cilia formation. <i>Genes and Development</i> , 2009, 23, 2046-2059.	5.9	87
11	c21orf59/kurly Controls Both Cilia Motility and Polarization. <i>Cell Reports</i> , 2016, 14, 1841-1849.	6.4	76
12	Lack of GAS2L2 Causes PCD by Impairing Cilia Orientation and Mucociliary Clearance. <i>American Journal of Human Genetics</i> , 2019, 104, 229-245.	6.2	74
13	Using <i>Xenopus</i> Skin to Study Cilia Development and Function. <i>Methods in Enzymology</i> , 2013, 525, 191-217.	1.0	52
14	Ccdc11 is a novel centriolar satellite protein essential for ciliogenesis and establishment of left-right asymmetry. <i>Molecular Biology of the Cell</i> , 2016, 27, 48-63.	2.1	45
15	Radial intercalation is regulated by the Par complex and the microtubule-stabilizing protein CLAMP/Spf1. <i>Journal of Cell Biology</i> , 2014, 206, 367-376.	5.2	44
16	Massive centriole production can occur in the absence of deuterosomes in multiciliated cells. <i>Nature Cell Biology</i> , 2019, 21, 1544-1552.	10.3	43
17	Scribble, Erbin, and Lano redundantly regulate epithelial polarity and apical adhesion complex. <i>Journal of Cell Biology</i> , 2019, 218, 2277-2293.	5.2	42
18	Bbof1 is required to maintain cilia orientation. <i>Development (Cambridge)</i> , 2013, 140, 3468-3477.	2.5	29

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19	Notch signaling induces either apoptosis or cell fate change in multiciliated cells during mucociliary tissue remodeling. <i>Developmental Cell</i> , 2021, 56, 525-539.e6.	7.0	27
20	CAMSAP3 facilitates basal body polarity and the formation of the central pair of microtubules in motile cilia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13571-13579.	7.1	25
21	EphA2/Ephrin-A1 Mediate Corneal Epithelial Cell Compartmentalization via ADAM10 Regulation of EGFR Signaling. , 2018, 59, 393.		23
22	Expression of the <i>Artemia</i> tracheless gene in the salt gland and epipod. <i>Evolution & Development</i> , 2002, 4, 344-353.	2.0	22
23	CLAMP/Spf1 regulates planar cell polarity signaling and asymmetric microtubule accumulation in the ciliated epithelia. <i>Journal of Cell Biology</i> , 2018, 217, 1633-1641.	5.2	21
24	Mechanical stretch scales centriole number to apical area via Piezo1 in multiciliated cells. <i>ELife</i> , 2021, 10, .	6.0	17
25	Tubulin acetylation promotes penetrative capacity of cells undergoing radial intercalation. <i>Cell Reports</i> , 2021, 36, 109556.	6.4	17
26	Basal bodies in <i>Xenopus</i> . <i>Cilia</i> , 2015, 5, 2.	1.8	16
27	Centriole Number and the Accumulation of Microtubules Modulate the Timing of Apical Insertion during Radial Intercalation. <i>Current Biology</i> , 2020, 30, 1958-1964.e3.	3.9	16
28	Hau-Pax3/7A is an early marker of leech mesoderm involved in segmental morphogenesis, nephridial development, and body cavity formation. <i>Developmental Biology</i> , 2007, 306, 824-837.	2.0	15
29	Stabilization of Speckle-type POZ Protein (Spop) by Daz Interacting Protein 1 (Dzip1) Is Essential for Gli Turnover and the Proper Output of Hedgehog Signaling. <i>Journal of Biological Chemistry</i> , 2013, 288, 32809-32820.	3.4	15
30	Centriole biogenesis and function in multiciliated cells. <i>Methods in Cell Biology</i> , 2015, 129, 103-127.	1.1	13
31	It's a family act: the geminin triplets take center stage in motile ciliogenesis. <i>EMBO Journal</i> , 2016, 35, 904-906.	7.8	13
32	Planar Cell Polarity: Microtubules Make the Connection with Cilia. <i>Current Biology</i> , 2012, 22, R1001-R1004.	3.9	12
33	Building a ciliated epithelium: Transcriptional regulation and radial intercalation of multiciliated cells. <i>Current Topics in Developmental Biology</i> , 2021, 145, 3-39.	2.2	12
34	Subdistal Appendages Stabilize the Ups and Downs of Ciliary Life. <i>Developmental Cell</i> , 2016, 39, 387-389.	7.0	9
35	Functional Architecture of Deleterious Genetic Variants in the Genome of a Wrangel Island Mammoth. <i>Genome Biology and Evolution</i> , 2020, 12, 48-58.	2.5	9
36	Basolateral protein Scribble binds phosphatase PP1 to establish a signaling network maintaining apicobasal polarity. <i>Journal of Biological Chemistry</i> , 2021, 297, 101289.	3.4	8

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37	A role for Cep70 in centriole amplification in multiciliated cells. <i>Developmental Biology</i> , 2021, 471, 10-17.	2.0	6
38	The small molecule AMBMP disrupts microtubule growth, ciliogenesis, cell polarity, and cell migration. <i>Cytoskeleton</i> , 2018, 75, 450-457.	2.0	4
39	Espin overexpression causes stereocilia defects and provides an anti-capping effect on actin polymerization. <i>Cytoskeleton</i> , 2022, 79, 64-74.	2.0	4
40	Ciliogenesis and autophagy are coordinately regulated by EphA2 in the cornea to maintain proper epithelial architecture. <i>Ocular Surface</i> , 2021, 21, 193-205.	4.4	3
41	Cover Image, Volume 75, Issue 10. <i>Cytoskeleton</i> , 2018, 75, C4-C4.	2.0	0