

Michael Taschner

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

916
citations

14
h-index

24
g-index

24
ext. papers

1,246
ext. citations

10.1
avg, IF

4.52
L-index

#	Paper	IF	Citations
23	The Intraflagellar Transport Machinery. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016 , 8,	10.2	180
22	Architecture and function of IFT complex proteins in ciliogenesis. <i>Differentiation</i> , 2012 , 83, S12-22	3.5	136
21	Intraflagellar transport proteins 172, 80, 57, 54, 38, and 20 form a stable tubulin-binding IFT-B2 complex. <i>EMBO Journal</i> , 2016 , 35, 773-90	13	116
20	Crystal structures of IFT70/52 and IFT52/46 provide insight into intraflagellar transport B core complex assembly. <i>Journal of Cell Biology</i> , 2014 , 207, 269-82	7.3	76
19	Biochemical mapping of interactions within the intraflagellar transport (IFT) B core complex: IFT52 binds directly to four other IFT-B subunits. <i>Journal of Biological Chemistry</i> , 2011 , 286, 26344-52	5.4	58
18	Structural studies of ciliary components. <i>Journal of Molecular Biology</i> , 2012 , 422, 163-80	6.5	57
17	Self-organization of centromeres by the ParB CTP hydrolase. <i>Science</i> , 2019 , 366, 1129-1133	33.3	54
16	Atomic resolution structure of human β -tubulin acetyltransferase bound to acetyl-CoA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19649-54	11.5	39
15	Structural basis of outer dynein arm intraflagellar transport by the transport adaptor protein ODA16 and the intraflagellar transport protein IFT46. <i>Journal of Biological Chemistry</i> , 2017 , 292, 7462-7473	5.4	32
14	IFT81, encoding an IFT-B core protein, as a very rare cause of a ciliopathy phenotype. <i>Journal of Medical Genetics</i> , 2015 , 52, 657-65	5.8	27
13	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. <i>Nature Cell Biology</i> , 2018 , 20, 1172-1180	23.4	25
12	Membrane association and remodeling by intraflagellar transport protein IFT172. <i>Nature Communications</i> , 2018 , 9, 4684	17.4	21
11	Intraflagellar transport protein IFT52 recruits IFT46 to the basal body and flagella. <i>Journal of Cell Science</i> , 2017 , 130, 1662-1674	5.3	20
10	Crystal structure of intraflagellar transport protein 80 reveals a homo-dimer required for ciliogenesis. <i>ELife</i> , 2018 , 7,	8.9	18
9	CTCF loss has limited effects on global genome architecture in <i>Drosophila</i> despite critical regulatory functions. <i>Nature Communications</i> , 2021 , 12, 1011	17.4	13
8	IFT proteins spatially control the geometry of cleavage furrow ingression and lumen positioning. <i>Nature Communications</i> , 2017 , 8, 1928	17.4	11
7	IFT proteins interact with HSET to promote supernumerary centrosome clustering in mitosis. <i>EMBO Reports</i> , 2020 , 21, e49234	6.5	9

6	Purification and crystal structure of human ODA16: Implications for ciliary import of outer dynein arms by the intraflagellar transport machinery. <i>Protein Science</i> , 2020 , 29, 1502-1510	6.3	6
5	Nse5/6 inhibits the Smc5/6 ATPase and modulates DNA substrate binding. <i>EMBO Journal</i> , 2021 , 40, e107807	5.9	6
4	Recombinant Reconstitution and Purification of the IFT-B Core Complex from <i>Chlamydomonas reinhardtii</i> . <i>Methods in Molecular Biology</i> , 2016 , 1454, 69-82	1.4	4
3	Crystal structure of the invertebrate bifunctional purine biosynthesis enzyme PAICS at 2.8 Å resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013 , 81, 1473-8	4.2	3
2	Complex Reconstitution from Individual Protein Modules. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 896, 305-14	3.6	3
1	Essential role of Cp190 in physical and regulatory boundary formation.. <i>Science Advances</i> , 2022 , 8, eabl8834	1.3	2