

Michael Taschner

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,438
citations

471061

17
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

1556
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The Intraflagellar Transport Machinery. Cold Spring Harbor Perspectives in Biology, 2016, 8, a028092. | 2.3 | 289 |
| 2 | Architecture and function of IFT complex proteins in ciliogenesis. Differentiation, 2012, 83, S12-S22. | 1.0 | 169 |
| 3 | Intraflagellar transport proteins 172, 80, 57, 54, 38, and 20 form a stable tubulin-binding <sc>IFT</sc> B2 complex. EMBO Journal, 2016, 35, 773-790. | 3.5 | 162 |
| 4 | Crystal structures of IFT70/52 and IFT52/46 provide insight into intraflagellar transport B core complex assembly. Journal of Cell Biology, 2014, 207, 269-282. | 2.3 | 115 |
| 5 | Self-organization of <i>parS</i> centromeres by the ParB CTP hydrolase. Science, 2019, 366, 1129-1133. | 6.0 | 110 |
| 6 | Biochemical Mapping of Interactions within the Intraflagellar Transport (IFT) B Core Complex. Journal of Biological Chemistry, 2011, 286, 26344-26352. | 1.6 | 71 |
| 7 | Structural Studies of Ciliary Components. Journal of Molecular Biology, 2012, 422, 163-180. | 2.0 | 69 |
| 8 | CTCF loss has limited effects on global genome architecture in Drosophila despite critical regulatory functions. Nature Communications, 2021, 12, 1011. | 5.8 | 60 |
| 9 | Structural basis of outer dynein arm intraflagellar transport by the transport adaptor protein ODA16 and the intraflagellar transport protein IFT46. Journal of Biological Chemistry, 2017, 292, 7462-7473. | 1.6 | 48 |
| 10 | Direct induction of microtubule branching by microtubule nucleation factor SSNA1. Nature Cell Biology, 2018, 20, 1172-1180. | 4.6 | 48 |
| 11 | Atomic resolution structure of human α -tubulin acetyltransferase bound to acetyl-CoA. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19649-19654. | 3.3 | 42 |
| 12 | Crystal structure of intraflagellar transport protein 80 reveals a homo-dimer required for ciliogenesis. ELife, 2018, 7, . | 2.8 | 36 |
| 13 | Intraflagellar transport protein IFT52 recruits IFT46 to the basal body and flagella. Journal of Cell Science, 2017, 130, 1662-1674. | 1.2 | 35 |
| 14 | <i>IFT81</i>, encoding an IFT-B core protein, as a very rare cause of a ciliopathy phenotype. Journal of Medical Genetics, 2015, 52, 657-665. | 1.5 | 32 |
| 15 | Nse5/6 inhibits the Smc5/6 ATPase and modulates DNA substrate binding. EMBO Journal, 2021, 40, e107807. | 3.5 | 30 |
| 16 | Membrane association and remodeling by intraflagellar transport protein IFT172. Nature Communications, 2018, 9, 4684. | 5.8 | 28 |
| 17 | Essential role of Cp190 in physical and regulatory boundary formation. Science Advances, 2022, 8, eabl8834. | 4.7 | 27 |
| 18 | IFT proteins spatially control the geometry of cleavage furrow ingression and lumen positioning. Nature Communications, 2017, 8, 1928. | 5.8 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | <scp>IFT</scp> proteins interact with <scp>HSET</scp> to promote supernumerary centrosome clustering in mitosis. EMBO Reports, 2020, 21, e49234. | 2.0 | 19 |
| 20 | Purification and crystal structure of human ODA16 : Implications for ciliary import of outer dynein arms by the intraflagellar transport machinery. Protein Science, 2020, 29, 1502-1510. | 3.1 | 12 |
| 21 | Recombinant Reconstitution and Purification of the IFT-B Core Complex from Chlamydomonas reinhardtii. Methods in Molecular Biology, 2016, 1454, 69-82. | 0.4 | 7 |
| 22 | Crystal structure of the invertebrate bifunctional purine biosynthesis enzyme PAICS at 2.8 Å... resolution. Proteins: Structure, Function and Bioinformatics, 2013, 81, 1473-1478. | 1.5 | 6 |
| 23 | Complex Reconstitution from Individual Protein Modules. Advances in Experimental Medicine and Biology, 2016, 896, 305-314. | 0.8 | 3 |