

# Neil T Umbreit

## 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.

12  
papers

460  
citations

9  
h-index

13  
g-index

13  
ext. papers

549  
ext. citations

7.8  
avg, IF

2.83  
L-index

#	Paper	IF	Citations
12	Cooperation of the Dam1 and Ndc80 kinetochore complexes enhances microtubule coupling and is regulated by aurora B. <i>Journal of Cell Biology</i> , <b>2010</b> , 189, 713-23	7.3	157
11	The Ndc80 kinetochore complex directly modulates microtubule dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 16113-8	11.5	82
10	Kinetochores require oligomerization of Dam1 complex to maintain microtubule attachments against tension and promote biorientation. <i>Nature Communications</i> , <b>2014</b> , 5, 4951	17.4	39
9	The molecular architecture of the Dam1 kinetochore complex is defined by cross-linking based structural modelling. <i>Nature Communications</i> , <b>2015</b> , 6, 8673	17.4	36
8	The Ndc80 complex bridges two Dam1 complex rings. <i>ELife</i> , <b>2017</b> , 6,	8.9	35
7	The molecular architecture of the yeast spindle pole body core determined by Bayesian integrative modeling. <i>Molecular Biology of the Cell</i> , <b>2017</b> , 28, 3298-3314	3.5	32
6	Regulation of outer kinetochore Ndc80 complex-based microtubule attachments by the central kinetochore Mis12/MIND complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E5583-9	11.5	31
5	Kinetochore biorientation in <i>Saccharomyces cerevisiae</i> requires a tightly folded conformation of the Ndc80 complex. <i>Genetics</i> , <b>2014</b> , 198, 1483-93	4	17
4	Coupling unbiased mutagenesis to high-throughput DNA sequencing uncovers functional domains in the Ndc80 kinetochore protein of <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , <b>2013</b> , 195, 159-70	4	17
3	Cdk1 Phosphorylation of the Dam1 Complex Strengthens Kinetochore-Microtubule Attachments. <i>Current Biology</i> , <b>2020</b> , 30, 4491-4499.e5	6.3	8
2	Mitosis puts sisters in a strained relationship: force generation at the kinetochore. <i>Experimental Cell Research</i> , <b>2012</b> , 318, 1361-6	4.2	6
1	VTT-006, an anti-mitotic compound, binds to the Ndc80 complex and suppresses cancer cell growth .. <i>Oncoscience</i> , <b>2021</b> , 8, 134-153	0.8	