

# Tom Shemesh

## List of Publications by Year in descending order

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11  
papers

751  
citations

1307594

7  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

1261  
citing authors

#	ARTICLE	IF	CITATIONS
1	A role for endoplasmic reticulum dynamics in the cellular distribution of microtubules. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2104309119.	7.1	15
2	Neuron tracing and quantitative analyses of dendritic architecture reveal symmetrical three-way-junctions and phenotypes of git-1 in <i>C. elegans</i> . PLoS Computational Biology, 2021, 17, e1009185.	3.2	2
3	Mechanism of membrane-curvature generation by ER-tubule shaping proteins. Nature Communications, 2021, 12, 568.	12.8	55
4	The tilted helix model of dynamin oligomers. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12845-12850.	7.1	8
5	Physical Model for Stabilization and Repair of Trans-endothelial Apertures. Biophysical Journal, 2017, 112, 388-397.	0.5	8
6	Buckle up: Membrane tension drives lamellipodial network compression and adhesion deposition. Journal of Cell Biology, 2017, 216, 2619-2621.	5.2	9
7	Cellular chirality arising from the self-organization of the actin cytoskeleton. Nature Cell Biology, 2015, 17, 445-457.	10.3	350
8	A Model for Shaping Membrane Sheets by Protein Scaffolds. Biophysical Journal, 2015, 109, 564-573.	0.5	24
9	Cis and trans interactions between atlastin molecules during membrane fusion. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1851-60.	7.1	65
10	A model for the generation and interconversion of ER morphologies. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5243-51.	7.1	112
11	A "Push and Slide" Mechanism Allows Sequence-Insensitive Translocation of Secretory Proteins by the SecA ATPase. Cell, 2014, 157, 1416-1429.	28.9	103