

# Marvin E Tanenbaum

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

5,228  
citations

201674

27  
h-index

265206

42  
g-index

49  
all docs

49  
docs citations

49  
times ranked

7471  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Protein-Tagging System for Signal Amplification in Gene Expression and Fluorescence Imaging. <i>Cell</i> , 2014, 159, 635-646.	28.9	1,245
2	Activation of cytoplasmic dynein motility by dynactin-cargo adapter complexes. <i>Science</i> , 2014, 345, 337-341.	12.6	509
3	Dynamics of Translation of Single mRNA Molecules In Vivo. <i>Cell</i> , 2016, 165, 976-989.	28.9	397
4	Bicaudal D2, Dynein, and Kinesin-1 Associate with Nuclear Pore Complexes and Regulate Centrosome and Nuclear Positioning during Mitotic Entry. <i>PLoS Biology</i> , 2010, 8, e1000350.	5.6	268
5	Kif15 Cooperates with Eg5 to Promote Bipolar Spindle Assembly. <i>Current Biology</i> , 2009, 19, 1703-1711.	3.9	250
6	Combined CRISPR/a-Based Chemical Genetic Screens Reveal that Rigosertib Is a Microtubule-Destabilizing Agent. <i>Molecular Cell</i> , 2017, 68, 210-223.e6.	9.7	197
7	Mechanisms of Centrosome Separation and Bipolar Spindle Assembly. <i>Developmental Cell</i> , 2010, 19, 797-806.	7.0	195
8	Wee1 controls genomic stability during replication by regulating the Mus81-Eme1 endonuclease. <i>Journal of Cell Biology</i> , 2011, 194, 567-579.	5.2	159
9	Dynein, Lis1 and CLIP-170 counteract Eg5-dependent centrosome separation during bipolar spindle assembly. <i>EMBO Journal</i> , 2008, 27, 3235-3245.	7.8	144
10	Regulation of mRNA translation during mitosis. <i>ELife</i> , 2015, 4, .	6.0	138
11	The Transcription and Translation Landscapes during Human Cytomegalovirus Infection Reveal Novel Host-Pathogen Interactions. <i>PLoS Pathogens</i> , 2015, 11, e1005288.	4.7	127
12	A Complex of Kif18b and MCAK Promotes Microtubule Depolymerization and Is Negatively Regulated by Aurora Kinases. <i>Current Biology</i> , 2011, 21, 1356-1365.	3.9	121
13	Multi-Color Single-Molecule Imaging Uncovers Extensive Heterogeneity in mRNA Decoding. <i>Cell</i> , 2019, 178, 458-472.e19.	28.9	120
14	Systematic dissection of dynein regulators in mitosis. <i>Journal of Cell Biology</i> , 2013, 201, 201-215.	5.2	118
15	Single-Molecule Imaging Uncovers Rules Governing Nonsense-Mediated mRNA Decay. <i>Molecular Cell</i> , 2019, 75, 324-339.e11.	9.7	116
16	The microtubule plus-end-tracking protein CLIP-170 associates with the spermatid manchette and is essential for spermatogenesis. <i>Genes and Development</i> , 2005, 19, 2501-2515.	5.9	101
17	RAMA1 is a novel kinetochore protein involved in kinetochore-microtubule attachment. <i>Journal of Cell Science</i> , 2009, 122, 2436-2445.	2.0	96
18	Nuclear envelope-associated dynein drives prophase centrosome separation and enables Eg5-independent bipolar spindle formation. <i>EMBO Journal</i> , 2012, 31, 4179-4190.	7.8	96

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19	Sequencing metabolically labeled transcripts in single cells reveals mRNA turnover strategies. <i>Science</i> , 2020, 367, 1151-1156.	12.6	92
20	Balanced Activity of Three Mitotic Motors Is Required for Bipolar Spindle Assembly and Chromosome Segregation. <i>Cell Reports</i> , 2014, 8, 948-956.	6.4	78
21	CLIP-170 facilitates the formation of kinetochore-microtubule attachments. <i>EMBO Journal</i> , 2006, 25, 45-57.	7.8	72
22	Live imaging of mRNA using RNA-stabilized fluorogenic proteins. <i>Nature Methods</i> , 2019, 16, 862-865.	19.0	71
23	Cytoplasmic dynein crosslinks and slides anti-parallel microtubules using its two motor domains. <i>ELife</i> , 2013, 2, e00943.	6.0	69
24	Heterogeneity in mRNA Translation. <i>Trends in Cell Biology</i> , 2020, 30, 606-618.	7.9	54
25	High-content imaging-based pooled CRISPR screens in mammalian cells. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	53
26	Translation and Replication Dynamics of Single RNA Viruses. <i>Cell</i> , 2020, 183, 1930-1945.e23.	28.9	47
27	Regulation of localization and activity of the microtubule depolymerase MCAK. <i>Bioarchitecture</i> , 2011, 1, 80-87.	1.5	34
28	mRNA structural dynamics shape Argonaute-target interactions. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 790-801.	8.2	32
29	Aurora A, MCAK, and Kif18b promote Eg5-independent spindle formation. <i>Chromosoma</i> , 2017, 126, 473-486.	2.2	30
30	Illuminating RNA trafficking and functional delivery by extracellular vesicles. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 250-264.	13.7	29
31	Cyclin G-associated kinase promotes microtubule outgrowth from chromosomes during spindle assembly. <i>Chromosoma</i> , 2010, 119, 415-424.	2.2	26
32	Pharmaceutical-Grade Rigosertib Is a Microtubule-Destabilizing Agent. <i>Molecular Cell</i> , 2020, 79, 191-198.e3.	9.7	22
33	Time-resolved single-cell sequencing identifies multiple waves of mRNA decay during the mitosis-to-G1 phase transition. <i>ELife</i> , 2022, 11, .	6.0	20
34	Dynein at the nuclear envelope. <i>EMBO Reports</i> , 2010, 11, 649-649.	4.5	17
35	Localized Aurora B activity spatially controls non-kinetochore microtubules during spindle assembly. <i>Chromosoma</i> , 2011, 120, 599-607.	2.2	13
36	Heterogeneity in kinesin function. <i>Traffic</i> , 2017, 18, 658-671.	2.7	13

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37	Genome-wide RNAi screen for synthetic lethal interactions with the <i>C. elegans</i> kinesin-5 homolog BMK-1. <i>Scientific Data</i> , 2015, 2, 150020.	5.3	11
38	Quantification of mRNA translation in live cells using single-molecule imaging. <i>Nature Protocols</i> , 2020, 15, 1371-1398.	12.0	11
39	Imaging Translation Dynamics of Single mRNA Molecules in Live Cells. <i>Methods in Molecular Biology</i> , 2018, 1649, 385-404.	0.9	8
40	Cell fate in the Hand of Plk4. <i>Nature Cell Biology</i> , 2007, 9, 1127-1129.	10.3	7
41	Bi-directional transport of the nucleus by dynein and kinesin-1. <i>Communicative and Integrative Biology</i> , 2011, 4, 21-5.	1.4	7
42	A public-private partnership model for COVID-19 diagnostics. <i>Nature Biotechnology</i> , 2021, 39, 1182-1184.	17.5	4