Thomas J Maresca

List of Publications by Year
in descending order

43	1,763	430754 18	315616 38
papers	citations	h-index	g-index

47	47	47	1648
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Importin Î² Is a Mitotic Target of the Small GTPase Ran in Spindle Assembly. Cell, 2001, 104, 95-106.	13.5	373
2	Intrakinetochore stretch is associated with changes in kinetochore phosphorylation and spindle assembly checkpoint activity. Journal of Cell Biology, 2009, 184, 373-381.	2.3	220
3	Welcome to a new kind of tension: translating kinetochore mechanics into a wait-anaphase signal. Journal of Cell Science, 2010, 123, 825-835.	1.2	152
4	Histone H1 is essential for mitotic chromosome architecture and segregation in Xenopus laevis egg extracts. Journal of Cell Biology, 2005, 169, 859-869.	2.3	116
5	Xenopus tropicalis egg extracts provide insight into scaling of the mitotic spindle. Journal of Cell Biology, 2007, 176, 765-770.	2.3	110
6	Aurora A Kinase Contributes to a Pole-Based Error Correction Pathway. Current Biology, 2015, 25, 1842-1851.	1.8	107
7	Spindle Assembly in the Absence of a RanGTP Gradient Requires Localized CPC Activity. Current Biology, 2009, 19, 1210-1215.	1.8	86
8	Spindle Fusion Requires Dynein-Mediated Sliding of Oppositely Oriented Microtubules. Current Biology, 2009, 19, 287-296.	1.8	75
9	Elevated polar ejection forces stabilize kinetochoreâ€“microtubule attachments. Journal of Cell Biology, 2013, 200, 203-218.	2.3	74
10	The condensin complex is required for proper spindle assembly and chromosome segregation in Xenopus egg extracts. Journal of Cell Biology, 2003, 161, 1041-1051.	2.3	52
11	Chromosome biorientation produces hundreds of piconewtons at a metazoan kinetochore. Nature Communications, 2016, 7, 13221.	5.8	44
12	Spatiotemporal control of mitotic exit during anaphase by an aurora B-Cdk1 crosstalk. ELife, 2019, 8, .	2.8	39
13	Functional Overlap of Microtubule Assembly Factors in Chromatin-Promoted Spindle Assembly. Molecular Biology of the Cell, 2009, 20, 2766-2773.	0.9	38
14	Polar Ejection Forces Promote the Conversion from Lateral to End-on Kinetochore-Microtubule Attachments on Mono-oriented Chromosomes. Cell Reports, 2015, 13, 460-468.	2.9	36
15	Direct observation of branching MT nucleation in living animal cells. Journal of Cell Biology, 2019, 218, 2829-2840.	2.3	36
16	Xnf7 Contributes to Spindle Integrity through Its Microtubule-Bundling Activity. Current Biology, 2005, 15, 1755-1761.	1.8	29
17	Microtubule plus-ends act as physical signaling hubs to activate RhoA during cytokinesis. ELife, 2019, 8, .	2.8	28
18	The Long and the Short of it: Linker Histone H1 is Required for Metaphase Chromosome Compaction. Cell Cycle, 2006, 5, 589-591.	1.3	26

#	Article	IF	Citations
19	Classical and Emerging Regulatory Mechanisms of Cytokinesis in Animal Cells. Biology, 2019, 8, 55.	1.3	22
20	NOD is a plus endâ€“directed motor that binds EB1 via a new microtubule tip localization sequence. Journal of Cell Biology, 2018, 217, 3007-3017.	2.3	14
21	FRET-based sensor for CaMKII activity (FRESCA): A useful tool for assessing CaMKII activity in response to Ca2+ oscillations in live cells. Journal of Biological Chemistry, 2019, 294, 11876-11891.	1.6	13
22	The whole is greater than the sum of its parts: at the intersection of order, disorder, and kinetochore function. Essays in Biochemistry, 2020, 64, 349-358.	2.1	9
23	Cell Division: Aurora B Illuminates a Checkpoint Pathway. Current Biology, 2011, 21, R557-R559.	1.8	8
24	Development of a Drosophila Cell-Based Error Correction Assay. Frontiers in Oncology, 2013, 3, 187.	1.3	7
25	Cell Division: Kinetochores SKAdaddle. Current Biology, 2013, 23, R122-R124.	1.8	6
26	Aurora A Kinase Amplifies a Midzone Phosphorylation Gradient to Promote High-Fidelity Cytokinesis. Biological Bulletin, 2016, 231, 61-72.	0.7	6
27	Insights from an erroneous kinetochore-microtubule attachment state. Bioarchitecture, 2013, 3, 69-76.	1.5	5
28	Measuring mitotic forces. Methods in Cell Biology, 2018, 144, 165-184.	0.5	5
29	The microtubule- and PP1-binding activities of Drosophila melanogaster Spc105 control the kinetics of SAC satisfaction. Molecular Biology of the Cell, 2022, 33, ar1.	0.9	5
30	Chromosome Segregation: Not to Put Too Fine a Point (Centromere) On It. Current Biology, 2013, 23, R875-R878.	1.8	4
31	A celebration of the 25th anniversary of chromatin-mediated spindle assembly. Molecular Biology of the Cell, 2022, 33, rt1.	0.9	4
32	It's all relative: Centromere- versus pole-based error correction. Cell Cycle, 2015, 14, 3777-3778.	1.3	2
33	Creation and testing of a new, local microtubuleâ€disruption tool based on the microtubuleâ€severing enzyme, katanin p60. Cytoskeleton, 2018, 75, 531-544.	1.0	2
34	Live-cell FLIM-FRET using a commercially available system. Methods in Cell Biology, 2020, 158, 63-89.	0.5	2
35	Chromosome Congression: Another Fine Mesh Weâ€™ve Gotten into. Developmental Cell, 2005, 9, 314-315.	3.1	1
36	Chromosome Segregation: AÂKinetochore Missing Link Is Found. Current Biology, 2011, 21, R261-R263.	1.8	1

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37	Balancing the kinetochore ledger. Journal of Cell Biology, 2012, 198, 477-479.	2.3	1
38	Generating a "Humanized" Drosophila S2 Cell Line Sensitive to Pharmacological Inhibition of Kinesin-5. Journal of Visualized Experiments, 2016, , e53594.	0.2	1
39	Cell Division: The Prehistorichore?. Current Biology, 2014, 24, R529-R532.	1.8	0
40	Cover Image, Volume 75, Issue 12. Cytoskeleton, 2018, 75, C4.	1.0	0
41	Cell Division: Here Comes the Kinesin Cavalry. Current Biology, 2018, 28, R943-R946.	1.8	0
42	Cell Division | The Kinetochore. , 2021, , 78-88.		0
43	Stepping into a tense relationship: Mechanoâ€molecular regulation of cell division by force. FASEB Journal, 2013, 27, 80.1.	0.2	0