Patrick Meraldi

List of Publications by Year
in descending order

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69 papers	6,482 citations	101384 36 h-index	102304 66 g-index
82 all docs	82 docs citations	82 times ranked	6604 citing authors

#	Article	IF	Citations
1	Aurora-A overexpression reveals tetraploidization as a major route to centrosome amplification in p53-/- cells. EMBO Journal, 2002, 21, 483-492.	3.5	577
2	Human TPX2 is required for targeting Aurora-A kinase to the spindle. Journal of Cell Biology, 2002, 158, 617-623.	2.3	516
3	Timing and Checkpoints in the Regulation of Mitotic Progression. Developmental Cell, 2004, 7, 45-60.	3.1	434
4	Centrosome duplication in mammalian somatic cells requires E2F and Cdk2â€“Cyclin A. Nature Cell Biology, 1999, 1, 88-93.	4.6	431
5	C-Nap1, a Novel Centrosomal Coiled-Coil Protein and Candidate Substrate of the Cell Cycleâ€“regulated Protein Kinase Nek2. Journal of Cell Biology, 1998, 141, 1563-1574.	2.3	398
6	A centrosomal function for the human Nek2 protein kinase, a member of the NIMA family of cell cycle regulators. EMBO Journal, 1998, 17, 470-481.	3.5	370
7	Aurora kinases link chromosome segregation and cell division to cancer susceptibility. Current Opinion in Genetics and Development, 2004, 14, 29-36.	1.5	302
8	Phylogenetic and structural analysis of centromeric DNA and kinetochore proteins. Genome Biology, 2006, 7, R23.	13.9	239
9	Polo-like Kinase 1 Regulates Nlp, a Centrosome Protein Involved in Microtubule Nucleation. Developmental Cell, 2003, 5, 113-125.	3.1	234
10	A dual role for Bub1 in the spindle checkpoint and chromosome congression. EMBO Journal, 2005, 24, 1621-1633.	3.5	192
11	Bub1 regulates chromosome segregation in a kinetochore-independent manner. Journal of Cell Biology, 2009, 185, 841-858.	2.3	178
12	Centrosome cohesion is regulated by a balance of kinase and phosphatase activities. Journal of Cell Science, 2001, 114, 3749-3757.	1.2	154
13	VHL loss causes spindle misorientation and chromosome instability. Nature Cell Biology, 2009, 11, 994-1001.	4.6	141
14	Molecular control of kinetochore-microtubule dynamics and chromosome oscillations. Nature Cell Biology, 2010, 12, 319-329.	4.6	133
15	The centrosome cycle. FEBS Letters, 2002, 521, 9-13.	1.3	131
16	Kinetochore alignment within the metaphase plate is regulated by centromere stiffness and microtubule depolymerases. Journal of Cell Biology, 2010, 188, 665-679.	2.3	126
17	Kinetochore-generated pushing forces separate centrosomes during bipolar spindle assembly. Journal of Cell Biology, 2009, 184, 365-372.	2.3	120
18	Human chromokinesins promote chromosome congression and spindle microtubule dynamics during mitosis. Journal of Cell Biology, 2012, 198, 847-863.	2.3	111

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19	Combination of ruthenium(II)-arene complex [Ru(Î·6-p-cymene)Cl2(pta)] (RAPTA-C) and the epidermal growth factor receptor inhibitor erlotinib results in efficient angiostatic and antitumor activity. Scientific Reports, 2017, 7, 43005.	1.6	97
20	Mitotic spindle (DIS)orientation and DISease: Cause or consequence?. Journal of Cell Biology, 2012, 199, 1025-1035.	2.3	94
21	Mild replication stress causes chromosome mis-segregation via premature centriole disengagement. Nature Communications, 2019, 10, 3585.	5.8	92
22	CLASPs prevent irreversible multipolarity by ensuring spindle-pole resistance to traction forces during chromosome alignment. Nature Cell Biology, 2012, 14, 295-303.	4.6	88
23	Coordinate Regulation of the Mother Centriole Component Nlp by Nek2 and Plk1 Protein Kinases. Molecular and Cellular Biology, 2005, 25, 1309-1324.	1.1	83
24	The CENP-A NAC/CAD kinetochore complex controls chromosome congression and spindle bipolarity. EMBO Journal, 2007, 26, 5033-5047.	3.5	73
25	Protein kinases in control of the centrosome cycle. FEBS Letters, 1999, 452, 92-95.	1.3	70
26	The human kinetochore proteins Nnf1R and Mcm21R are required for accurate chromosome segregation. EMBO Journal, 2006, 25, 4033-4049.	3.5	70
27	Mitotic Spindle Assembly and Genomic Stability in Breast Cancer Require PI3K-C2Î± Scaffolding Function. Cancer Cell, 2017, 32, 444-459.e7.	7.7	69
28	SUN proteins facilitate the removal of membranes from chromatin during nuclear envelope breakdown. Journal of Cell Biology, 2014, 204, 1099-1109.	2.3	62
29	Dynamics of CENP-N kinetochore binding during the cell cycle. Journal of Cell Science, 2011, 124, 3871-3883.	1.2	55
30	Nonautonomous Movement of Chromosomes in Mitosis. Developmental Cell, 2013, 27, 60-71.	3.1	55
31	Finding the middle ground: how kinetochores power chromosome congression. Cellular and Molecular Life Sciences, 2010, 67, 2145-2161.	2.4	52
32	p31^{comet} acts to ensure timely spindle checkpoint silencing subsequent to kinetochore attachment. Molecular Biology of the Cell, 2011, 22, 4236-4246.	0.9	51
33	Complete microtubuleâ€“kinetochore occupancy favours the segregation of merotelic attachments. Nature Communications, 2018, 9, 2042.	5.8	50
34	Centrosomes in spindle organization and chromosome segregation: a mechanistic view. Chromosome Research, 2016, 24, 19-34.	1.0	48
35	The Elephant in the Room: The Role of Microtubules in Cancer. Advances in Experimental Medicine and Biology, 2017, 1002, 93-124.	0.8	48
36	Kinetochores accelerate centrosome separation to ensure faithful chromosome segregation. Journal of Cell Science, 2012, 125, 906-918.	1.2	44

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37	Location of Mutation in BRCA2 Gene and Survival in Patients with Ovarian Cancer. Clinical Cancer Research, 2018, 24, 326-333.	3.2	40
38	The CCAN complex: Linking centromere specification to control of kinetochoreâ€“microtubule dynamics. Seminars in Cell and Developmental Biology, 2011, 22, 946-952.	2.3	38
39	Modulation of the Chromatin Phosphoproteome by the Haspin Protein Kinase. Molecular and Cellular Proteomics, 2014, 13, 1724-1740.	2.5	37
40	The Ska complex promotes Aurora B activity to ensure chromosome biorientation. Journal of Cell Biology, 2016, 215, 77-93.	2.3	37
41	Step-Wise Assembly, Maturation and Dynamic Behavior of the Human CENP-P/O/R/Q/U Kinetochore Sub-Complex. PLoS ONE, 2012, 7, e44717.	1.1	32
42	Centrosome age regulates kinetochoreâ€“microtubule stability and biases chromosome mis-segregation. ELife, 2015, 4, .	2.8	32
43	Spindle-Length-Dependent HURP Localization Allows Centrosomes to Control Kinetochore-Fiber Plus-End Dynamics. Current Biology, 2019, 29, 3563-3578.e6.	1.8	29
44	The TRAF-interacting protein (TRAIP) is a regulator of the spindle assembly checkpoint. Journal of Cell Science, 2014, 127, 5149-56.	1.2	27
45	Identification of a Synergistic Multi-Drug Combination Active in Cancer Cells via the Prevention of Spindle Pole Clustering. Cancers, 2019, 11, 1612.	1.7	25
46	The UBXN-2/p37/p47 adaptors of CDC-48/p97 regulate mitosis by limiting the centrosomal recruitment of Aurora A. Journal of Cell Biology, 2013, 201, 559-575.	2.3	23
47	CRL4RBBP7 is required for efficient CENP-A deposition at centromeres. Journal of Cell Science, 2015, 128, 1732-45.	1.2	21
48	The equatorial position of the metaphase plate ensures symmetric cell divisions. ELife, 2015, 4, .	2.8	19
49	Bub1â€”the zombie protein that <scp>CRISPR</scp> cannot kill. EMBO Journal, 2019, 38, .	3.5	16
50	Effect of Cell Shape and Dimensionality on Spindle Orientation and Mitotic Timing. PLoS ONE, 2013, 8, e66918.	1.1	16
51	The Spindle Assembly Checkpoint: Clock or Domino?. Results and Problems in Cell Differentiation, 2011, 53, 75-91.	0.2	13
52	p37/UBXN2B regulates spindle orientation by limiting cortical NuMA recruitment via PP1/Repo-Man. Journal of Cell Biology, 2018, 217, 483-493.	2.3	12
53	Anti-angiogenic effects of crenolanib are mediated by mitotic modulation independently of PDGFR expression. British Journal of Cancer, 2019, 121, 139-149.	2.9	12
54	WDR62 localizes katanin at spindle poles to ensure synchronous chromosome segregation. Journal of Cell Biology, 2021, 220, .	2.3	10

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55	AA344 and AA345 antibodies recognize the microtubule network in human cells by immunofluorescence. Antibody Reports, 2019, 2, e17.	0.0	10
56	Mechanisms of aneuploidy and its suppression by tumour suppressor proteins. Swiss Medical Weekly, 2011, 141, w13170.	0.8	9
57	Mitotic live-cell imaging at different timescales. Methods in Cell Biology, 2018, 145, 1-27.	0.5	8
58	Cell polarityâ€“dependent centrosome separation in the C. elegans embryo. Journal of Cell Biology, 2019, 218, 4112-4126.	2.3	6
59	Double-trouble in mitosis caused by von Hippel-Lindau tumor-suppressor protein inactivation. Cell Cycle, 2009, 8, 3619-3620.	1.3	5
60	Symmetry Does not Come for Free: Cellular Mechanisms to Achieve a Symmetric Cell Division. Results and Problems in Cell Differentiation, 2017, 61, 301-321.	0.2	5
61	Forcing dividing cancer cells to die; lowâ€dose drug combinations to prevent spindle pole clustering. Apoptosis: an International Journal on Programmed Cell Death, 2021, 26, 248-252.	2.2	3
62	PLK1 controls centriole distal appendage formation and centrobin removal via independent pathways. Journal of Cell Science, 2022, 135, .	1.2	3
63	A life outside kinetochores for Bub1 kinases?. Cell Cycle, 2009, 8, 3250-3251.	1.3	2
64	Analysing Kinetochore Function in Human Cells: Spindle Checkpoint and Chromosome Congression. Methods in Molecular Biology, 2009, 545, 205-220.	0.4	2
65	The human kinetochore proteins Nnf1R and Mcm21R are required for accurate chromosome segregation. EMBO Journal, 2009, 28, 1374-1374.	3.5	1
66	Cell division: The science friction of chromosome attachment. Current Biology, 2022, 32, R744-R746.	1.8	1
67	Keeping kinetochores on track. European Journal of Cell Biology, 2012, 91, 103-106.	1.6	0
68	Two Ways to Get Mad at Kinetochores. Developmental Cell, 2015, 35, 535-536.	3.1	0
69	Centrosomes Control Kinetochore-Fiber Plus-End Dynamics Via HURP to Ensure Symmetric Divisions. SSRN Electronic Journal, 0, , .	0.4	0