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	PLK1 controls centriole distal appendage formation and centrobin removal via independent pathways. Journal of Cell Science, 2022, 135, .	1.2	3
2	Cell division: The science friction of chromosome attachment. Current Biology, 2022, 32, R744-R746.	1.8	1
3	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
4	WDR62 localizes katanin at spindle poles to ensure synchronous chromosome segregation. Journal of Cell Biology, 2021, 220, .	2.3	10
5	Mild replication stress causes chromosome mis-segregation via premature centriole disengagement. Nature Communications, 2019, 10, 3585.	5.8	92
6	Cell polarityâ€“dependent centrosome separation in the C. elegans embryo. Journal of Cell Biology, 2019, 218, 4112-4126.	2.3	6
7	Spindle-Length-Dependent HURP Localization Allows Centrosomes to Control Kinetochore-Fiber Plus-End Dynamics. Current Biology, 2019, 29, 3563-3578.e6.	1.8	29
8	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
9	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
10	Bub1â€”the zombie protein that <scp>CRISPR</scp> cannot kill. EMBO Journal, 2019, 38, .	3.5	16
11	AA344 and AA345 antibodies recognize the microtubule network in human cells by immunofluorescence. Antibody Reports, 2019, 2, e17.	0.0	10
12	Location of Mutation in BRCA2 Gene and Survival in Patients with Ovarian Cancer. Clinical Cancer Research, 2018, 24, 326-333.	3.2	40
13	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
14	Complete microtubuleâ€“kinetochore occupancy favours the segregation of merotelic attachments. Nature Communications, 2018, 9, 2042.	5.8	50
15	Mitotic live-cell imaging at different timescales. Methods in Cell Biology, 2018, 145, 1-27.	0.5	8
16	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
17	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
18	The Elephant in the Room: The Role of Microtubules in Cancer. Advances in Experimental Medicine and Biology, 2017, 1002, 93-124.	0.8	48

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19	Mitotic Spindle Assembly and Genomic Stability in Breast Cancer Require PI3K-C2Î± Scaffolding Function. Cancer Cell, 2017, 32, 444-459.e7.	7.7	69
20	The Ska complex promotes Aurora B activity to ensure chromosome biorientation. Journal of Cell Biology, 2016, 215, 77-93.	2.3	37
21	Centrosomes in spindle organization and chromosome segregation: a mechanistic view. Chromosome Research, 2016, 24, 19-34.	1.0	48
22	The equatorial position of the metaphase plate ensures symmetric cell divisions. ELife, 2015, 4, .	2.8	19
23	Two Ways to Get Mad at Kinetochores. Developmental Cell, 2015, 35, 535-536.	3.1	0
24	CRL4RBBP7 is required for efficient CENP-A deposition at centromeres. Journal of Cell Science, 2015, 128, 1732-45.	1.2	21
25	Centrosome age regulates kinetochoreâ€“microtubule stability and biases chromosome mis-segregation. ELife, 2015, 4, .	2.8	32
26	SUN proteins facilitate the removal of membranes from chromatin during nuclear envelope breakdown. Journal of Cell Biology, 2014, 204, 1099-1109.	2.3	62
27	The TRAF-interacting protein (TRAIP) is a regulator of the spindle assembly checkpoint. Journal of Cell Science, 2014, 127, 5149-56.	1.2	27
28	Modulation of the Chromatin Phosphoproteome by the Haspin Protein Kinase. Molecular and Cellular Proteomics, 2014, 13, 1724-1740.	2.5	37
29	Nonautonomous Movement of Chromosomes in Mitosis. Developmental Cell, 2013, 27, 60-71.	3.1	55
30	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
31	Effect of Cell Shape and Dimensionality on Spindle Orientation and Mitotic Timing. PLoS ONE, 2013, 8, e66918.	1.1	16
32	Mitotic spindle (DIS)orientation and DISease: Cause or consequence?. Journal of Cell Biology, 2012, 199, 1025-1035.	2.3	94
33	Kinetochores accelerate centrosome separation to ensure faithful chromosome segregation. Journal of Cell Science, 2012, 125, 906-918.	1.2	44
34	Human chromokinesins promote chromosome congression and spindle microtubule dynamics during mitosis. Journal of Cell Biology, 2012, 198, 847-863.	2.3	111
35	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
36	Keeping kinetochores on track. European Journal of Cell Biology, 2012, 91, 103-106.	1.6	0

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37	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
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	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
40	Dynamics of CENP-N kinetochore binding during the cell cycle. Journal of Cell Science, 2011, 124, 3871-3883.	1.2	55
41	The Spindle Assembly Checkpoint: Clock or Domino?. Results and Problems in Cell Differentiation, 2011, 53, 75-91.	0.2	13
42	Mechanisms of aneuploidy and its suppression by tumour suppressor proteins. Swiss Medical Weekly, 2011, 141, w13170.	0.8	9
43	Finding the middle ground: how kinetochores power chromosome congression. Cellular and Molecular Life Sciences, 2010, 67, 2145-2161.	2.4	52
44	Molecular control of kinetochore-microtubule dynamics and chromosome oscillations. Nature Cell Biology, 2010, 12, 319-329.	4.6	133
45	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
46	Kinetochore-generated pushing forces separate centrosomes during bipolar spindle assembly. Journal of Cell Biology, 2009, 184, 365-372.	2.3	120
47	A life outside kinetochores for Bub1 kinases?. Cell Cycle, 2009, 8, 3250-3251.	1.3	2
48	Double-trouble in mitosis caused by von Hippel-Lindau tumor-suppressor protein inactivation. Cell Cycle, 2009, 8, 3619-3620.	1.3	5
49	Bub1 regulates chromosome segregation in a kinetochore-independent manner. Journal of Cell Biology, 2009, 185, 841-858.	2.3	178
50	The human kinetochore proteins Nnf1R and Mcm21R are required for accurate chromosome segregation. EMBO Journal, 2009, 28, 1374-1374.	3.5	1
51	VHL loss causes spindle misorientation and chromosome instability. Nature Cell Biology, 2009, 11, 994-1001.	4.6	141
52	Analysing Kinetochore Function in Human Cells: Spindle Checkpoint and Chromosome Congression. Methods in Molecular Biology, 2009, 545, 205-220.	0.4	2
53	The CENP-A NAC/CAD kinetochore complex controls chromosome congression and spindle bipolarity. EMBO Journal, 2007, 26, 5033-5047.	3.5	73
54	Phylogenetic and structural analysis of centromeric DNA and kinetochore proteins. Genome Biology, 2006, 7, R23.	13.9	239

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55	The human kinetochore proteins Nnf1R and Mcm21R are required for accurate chromosome segregation. EMBO Journal, 2006, 25, 4033-4049.	3.5	70
56	A dual role for Bub1 in the spindle checkpoint and chromosome congression. EMBO Journal, 2005, 24, 1621-1633.	3.5	192
57	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
58	Timing and Checkpoints in the Regulation of Mitotic Progression. Developmental Cell, 2004, 7, 45-60.	3.1	434
59	Aurora kinases link chromosome segregation and cell division to cancer susceptibility. Current Opinion in Genetics and Development, 2004, 14, 29-36.	1.5	302
60	Polo-like Kinase 1 Regulates Nlp, a Centrosome Protein Involved in Microtubule Nucleation. Developmental Cell, 2003, 5, 113-125.	3.1	234
61	Human TPX2 is required for targeting Aurora-A kinase to the spindle. Journal of Cell Biology, 2002, 158, 617-623.	2.3	516
62	The centrosome cycle. FEBS Letters, 2002, 521, 9-13.	1.3	131
63	Aurora-A overexpression reveals tetraploidization as a major route to centrosome amplification in p53-/- cells. EMBO Journal, 2002, 21, 483-492.	3.5	577
64	Centrosome cohesion is regulated by a balance of kinase and phosphatase activities. Journal of Cell Science, 2001, 114, 3749-3757.	1.2	154
65	Centrosome duplication in mammalian somatic cells requires E2F and Cdk2â€“Cyclin A. Nature Cell Biology, 1999, 1, 88-93.	4.6	431
66	Protein kinases in control of the centrosome cycle. FEBS Letters, 1999, 452, 92-95.	1.3	70
67	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
68	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
69	Centrosomes Control Kinetochore-Fiber Plus-End Dynamics Via HURP to Ensure Symmetric Divisions. SSRN Electronic Journal, 0, , .	0.4	0