Reto Gassmann

List of Publications by Year
in descending order

37 papers	3,766 citations	257450 24 h-index	361022 35 g-index

43 all docs	43 docs citations	43 times ranked	5163 citing authors

#	Article	IF	Citations
1	WDR60-mediated dynein-2 loading into cilia powers retrograde IFT and transition zone crossing. Journal of Cell Biology, 2022, 221, .	5.2	20
2	JIP3 interacts with dynein and kinesin-1 to regulate bidirectional organelle transport. Journal of Cell Biology, 2022, 221, .	5.2	20
3	Cell Division: Chromatin Dynamics Shape Insect Holocentromeres. Current Biology, 2021, 31, R34-R37.	3.9	0
4	Dynein-dynactin segregate meiotic chromosomes in C. elegans spermatocytes. Development (Cambridge), 2021, 148, .	2.5	2
5	Plastin and spectrin cooperate to stabilize the actomyosin cortex during cytokinesis. Current Biology, 2021, 31, 5415-5428.e10.	3.9	14
6	Equatorial Non-muscle Myosin II and Plastin Cooperate to Align and Compact F-actin Bundles in the Cytokinetic Ring. Frontiers in Cell and Developmental Biology, 2020, 8, 573393.	3.7	16
7	Crowning the Kinetochore: The Fibrous Corona in Chromosome Segregation. Trends in Cell Biology, 2020, 30, 653-667.	7.9	51
8	Spindle checkpoint: trapped by the corona, cyclin B1 goes <scp>MAD</scp>. EMBO Journal, 2020, 39, e105279.	7.8	5
9	Crosslinking activity of non-muscle myosin II is not sufficient for embryonic cytokinesis in C. elegans. Development (Cambridge), 2019, 146, .	2.5	34
10	The ARP2/3 complex prevents excessive formin activity during cytokinesis. Molecular Biology of the Cell, 2019, 30, 96-107.	2.1	48
11	A transient helix in the disordered region of dynein light intermediate chain links the motor to structurally diverse adaptors for cargo transport. PLoS Biology, 2019, 17, e3000100.	5.6	39
12	NudE/L regulates dynein at kinetochores but is dispensable for other dynein functions in the C. elegans early embryo. Journal of Cell Science, 2018, 131, .	2.0	24
13	Self-Assembly of the RZZ Complex into Filaments Drives Kinetochore Expansion in the Absence of Microtubule Attachment. Current Biology, 2018, 28, 3408-3421.e8.	3.9	62
14	A genome-scale RNAi screen for genetic interactors of the dynein co-factor nud-2 in Caenorhabditis elegans. Scientific Data, 2018, 5, 180047.	5.3	3
15	Molecular mechanism of dynein recruitment to kinetochores by the Rodâ€“Zw10â€“Zwilch complex and Spindly. Journal of Cell Biology, 2017, 216, 943-960.	5.2	116
16	Dynactin binding to tyrosinated microtubules promotes centrosome centration in C. elegans by enhancing dynein-mediated organelle transport. PLoS Genetics, 2017, 13, e1006941.	3.5	35
17	Robust gap repair in the contractile ring ensures timely completion of cytokinesis. Journal of Cell Biology, 2016, 215, 789-799.	5.2	35
18	Genome-wide RNAi screen for synthetic lethal interactions with the C. elegans kinesin-5 homolog BMK-1. Scientific Data, 2015, 2, 150020.	5.3	11

#	Article	IF	Citations
19	Preventing farnesylation of the dynein adaptor Spindly contributes to the mitotic defects caused by farnesyltransferase inhibitors. Molecular Biology of the Cell, 2015, 26, 1845-1856.	2.1	44
20	Crosstalk Between Microtubule Attachment Complexes Ensures Accurate Chromosome Segregation. Science, 2013, 342, 1239-1242.	12.6	94
21	Esperanto for histones: CENP-A, not CenH3, is the centromeric histone H3 variant. Chromosome Research, 2013, 21, 101-106.	2.2	37
22	Spindle assembly checkpoint proteins are positioned close to core microtubule attachment sites at kinetochores. Journal of Cell Biology, 2013, 202, 735-746.	5.2	67
23	An inverse relationship to germline transcription defines centromeric chromatin in C. elegans. Nature, 2012, 484, 534-537.	27.8	147
24	Affinity Purification of Protein Complexes in C. elegans. Methods in Cell Biology, 2011, 106, 289-322.	1.1	40
25	Uncoordinated Loss of Chromatid Cohesion Is a Common Outcome of Extended Metaphase Arrest. PLoS ONE, 2011, 6, e22969.	2.5	81
26	PHF8 mediates histone H4 lysine 20 demethylation events involved in cell cycle progression. Nature, 2010, 466, 508-512.	27.8	367
27	Removal of Spindly from microtubule-attached kinetochores controls spindle checkpoint silencing in human cells. Genes and Development, 2010, 24, 957-971.	5.9	173
28	Integrative Analysis of the Caenorhabditis elegans Genome by the modENCODE Project. Science, 2010, 330, 1775-1787.	12.6	912
29	Inactivation of a Human Kinetochore by Specific Targeting of Chromatin Modifiers. Developmental Cell, 2008, 14, 507-522.	7.0	239
30	Deconstructing Survivin: comprehensive genetic analysis of Survivin function by conditional knockout in a vertebrate cell line. Journal of Cell Biology, 2008, 183, 279-296.	5.2	94
31	A new mechanism controlling kinetochoreâ€“microtubule interactions revealed by comparison of two dynein-targeting components: SPDL-1 and the Rod/Zwilch/Zw10 complex. Genes and Development, 2008, 22, 2385-2399.	5.9	156
32	Analysis of kinetochore assembly and function in Caenorhabditis elegans embryos and human cells. Methods, 2007, 41, 177-189.	3.8	6
33	Novel components of human mitotic chromosomes identified by proteomic analysis of the chromosome scaffold fraction. Chromosoma, 2005, 113, 385-397.	2.2	55
34	Borealin. Journal of Cell Biology, 2004, 166, 179-191.	5.2	388
35	Mitotic chromosome formation and the condensin paradox. Experimental Cell Research, 2004, 296, 35-42.	2.6	61
36	Condensin Is Required for Nonhistone Protein Assembly and Structural Integrity of Vertebrate Mitotic Chromosomes. Developmental Cell, 2003, 5, 323-336.	7.0	263

#	Article	IF	Citations
37	Plastin and Î’-Heavy-Spectrin Cooperate to Stabilize the Actomyosin Cortex During Cytokinesis. SSRN Electronic Journal, 0, , .	0.4	0