

Reto Gassmann

List of Publications by Year in descending order

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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	Integrative Analysis of the <i>Caenorhabditis elegans</i> Genome by the modENCODE Project. <i>Science</i> , 2010, 330, 1775-1787.	12.6	912
2	Borealin. <i>Journal of Cell Biology</i> , 2004, 166, 179-191.	5.2	388
3	PHF8 mediates histone H4 lysine 20 demethylation events involved in cell cycle progression. <i>Nature</i> , 2010, 466, 508-512.	27.8	367
4	Condensin Is Required for Nonhistone Protein Assembly and Structural Integrity of Vertebrate Mitotic Chromosomes. <i>Developmental Cell</i> , 2003, 5, 323-336.	7.0	263
5	Inactivation of a Human Kinetochores by Specific Targeting of Chromatin Modifiers. <i>Developmental Cell</i> , 2008, 14, 507-522.	7.0	239
6	Removal of Spindly from microtubule-attached kinetochores controls spindle checkpoint silencing in human cells. <i>Genes and Development</i> , 2010, 24, 957-971.	5.9	173
7	A new mechanism controlling kinetochore-microtubule interactions revealed by comparison of two dynein-targeting components: SPDL-1 and the Rod/Zw10/Zw10 complex. <i>Genes and Development</i> , 2008, 22, 2385-2399.	5.9	156
8	An inverse relationship to germline transcription defines centromeric chromatin in <i>C. elegans</i> . <i>Nature</i> , 2012, 484, 534-537.	27.8	147
9	Molecular mechanism of dynein recruitment to kinetochores by the Rod-Zw10-Zw10 complex and Spindly. <i>Journal of Cell Biology</i> , 2017, 216, 943-960.	5.2	116
10	Deconstructing Survivin: comprehensive genetic analysis of Survivin function by conditional knockout in a vertebrate cell line. <i>Journal of Cell Biology</i> , 2008, 183, 279-296.	5.2	94
11	Crosstalk Between Microtubule Attachment Complexes Ensures Accurate Chromosome Segregation. <i>Science</i> , 2013, 342, 1239-1242.	12.6	94
12	Uncoordinated Loss of Chromatid Cohesion Is a Common Outcome of Extended Metaphase Arrest. <i>PLoS ONE</i> , 2011, 6, e22969.	2.5	81
13	Spindle assembly checkpoint proteins are positioned close to core microtubule attachment sites at kinetochores. <i>Journal of Cell Biology</i> , 2013, 202, 735-746.	5.2	67
14	Self-Assembly of the RZZ Complex into Filaments Drives Kinetochore Expansion in the Absence of Microtubule Attachment. <i>Current Biology</i> , 2018, 28, 3408-3421.e8.	3.9	62
15	Mitotic chromosome formation and the condensin paradox. <i>Experimental Cell Research</i> , 2004, 296, 35-42.	2.6	61
16	Novel components of human mitotic chromosomes identified by proteomic analysis of the chromosome scaffold fraction. <i>Chromosoma</i> , 2005, 113, 385-397.	2.2	55
17	Crowning the Kinetochores: The Fibrous Corona in Chromosome Segregation. <i>Trends in Cell Biology</i> , 2020, 30, 653-667.	7.9	51
18	The ARP2/3 complex prevents excessive formin activity during cytokinesis. <i>Molecular Biology of the Cell</i> , 2019, 30, 96-107.	2.1	48

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19	Preventing farnesylation of the dynein adaptor Spindly contributes to the mitotic defects caused by farnesyltransferase inhibitors. <i>Molecular Biology of the Cell</i> , 2015, 26, 1845-1856.	2.1	44
20	Affinity Purification of Protein Complexes in <i>C. elegans</i> . <i>Methods in Cell Biology</i> , 2011, 106, 289-322.	1.1	40
21	A transient helix in the disordered region of dynein light intermediate chain links the motor to structurally diverse adaptors for cargo transport. <i>PLoS Biology</i> , 2019, 17, e3000100.	5.6	39
22	Esperanto for histones: CENP-A, not CenH3, is the centromeric histone H3 variant. <i>Chromosome Research</i> , 2013, 21, 101-106.	2.2	37
23	Robust gap repair in the contractile ring ensures timely completion of cytokinesis. <i>Journal of Cell Biology</i> , 2016, 215, 789-799.	5.2	35
24	Dynactin binding to tyrosinated microtubules promotes centrosome centration in <i>C. elegans</i> by enhancing dynein-mediated organelle transport. <i>PLoS Genetics</i> , 2017, 13, e1006941.	3.5	35
25	Crosslinking activity of non-muscle myosin II is not sufficient for embryonic cytokinesis in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2019, 146, .	2.5	34
26	NudE/L regulates dynein at kinetochores but is dispensable for other dynein functions in the <i>C. elegans</i> early embryo. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	24
27	WDR60-mediated dynein-2 loading into cilia powers retrograde IFT and transition zone crossing. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	20
28	JIP3 interacts with dynein and kinesin-1 to regulate bidirectional organelle transport. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	20
29	Equatorial Non-muscle Myosin II and Plastrin Cooperate to Align and Compact F-actin Bundles in the Cytokinetic Ring. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 573393.	3.7	16
30	Plastrin and spectrin cooperate to stabilize the actomyosin cortex during cytokinesis. <i>Current Biology</i> , 2021, 31, 5415-5428.e10.	3.9	14
31	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
32	Analysis of kinetochore assembly and function in <i>Caenorhabditis elegans</i> embryos and human cells. <i>Methods</i> , 2007, 41, 177-189.	3.8	6
33	Spindle checkpoint: trapped by the corona, cyclin B1 goes \downarrow MAD. <i>EMBO Journal</i> , 2020, 39, e105279.	7.8	5
34	A genome-scale RNAi screen for genetic interactors of the dynein co-factor nud-2 in <i>Caenorhabditis elegans</i> . <i>Scientific Data</i> , 2018, 5, 180047.	5.3	3
35	Dynein-dynactin segregate meiotic chromosomes in <i>C. elegans</i> spermatocytes. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	2
36	Plastrin and β -Heavy-Spectrin Cooperate to Stabilize the Actomyosin Cortex During Cytokinesis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
37	Cell Division: Chromatin Dynamics Shape Insect Holocentromeres. <i>Current Biology</i> , 2021, 31, R34-R37.	3.9	0