Cayetano Gonzalez

List of Publications by Year
in descending order

82 papers	5,243 citations	87888 38 h-index	88630 70 g-index
87 all docs	87 docs citations	87 times ranked	4674 citing authors

#	Article	IF	Citations
1	Centrosomes in asymmetric cell division. Current Opinion in Structural Biology, 2021, 66, 178-182.	5.7	5
2	Structures of the germline-specific Deadhead and thioredoxin T proteins from Drosophila melanogaster reveal unique features among thioredoxins. IUCrJ, 2021, 8, 281-294.	2.2	4
3	The histone code reader PHD finger protein 7 controls sex-linked disparities in gene expression and malignancy in Drosophila. Science Advances, 2019, 5, eaaw7965.	10.3	7
4	Centrobin is essential for C-tubule assembly and flagellum development in Drosophila melanogaster spermatogenesis. Journal of Cell Biology, 2018, 217, 2365-2372.	5.2	16
5	DrosophilaLarval Brain Neoplasms Present Tumour-Type Dependent Genome Instability. G3: Genes, Genomes, Genetics, 2018, 8, 1205-1214.	1.8	4
6	Anin vivogenetic screen inDrosophilaidentifies the orthologue of human cancer/testis geneSPO11among a network of targets to inhibitlethal(3)malignant brain tumourgrowth. Open Biology, 2017, 7, 170156.	3.6	12
7	Prefoldin and Pins synergistically regulate asymmetric division and suppress dedifferentiation. Scientific Reports, 2016, 6, 23735.	3.3	21
8	The translational relevance of Drosophila in drug discovery. EMBO Reports, 2016, 17, 471-472.	4.5	46
9	Arl2- and Msps-dependent microtubule growth governs asymmetric division. Journal of Cell Biology, 2016, 212, 661-676.	5.2	24
10	A last-minute decision. Nature, 2015, 528, 196-197.	27.8	3
11	Cayetano GonzÃ¡lez: Mothers, daughters, stemness, and cancer. Journal of Cell Biology, 2015, 208, 254-255.	5.2	0
12	Time-lapse recording of centrosomes and other organelles in Drosophila neuroblasts. Methods in Cell Biology, 2015, 129, 301-315.	1.1	15
13	Loss of Centrobin Enables Daughter Centrioles to Form Sensory Cilia in Drosophila. Current Biology, 2015, 25, 2319-2324.	3.9	26
14	Studying tumor growth in Drosophila using the tissue allograft method. Nature Protocols, 2015, 10, 1525-1534.	12.0	43
15	When fate follows age: unequal centrosomes in asymmetric cell division. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130466.	4.0	33
16	The Brm-HDAC3-Erm repressor complex suppresses dedifferentiation in Drosophila type II neuroblast lineages. ELife, 2014, 3, e01906.	6.0	60
17	Quantitative differences, qualitative outcomes. ELife, 2014, 3, .	6.0	0
18	Drosophila melanogaster: a model and a tool to investigate malignancy and identify new therapeutics. Nature Reviews Cancer, 2013, 13, 172-183.	28.4	246

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19	Centrobin controls motherâ€“daughter centriole asymmetry in Drosophila neuroblasts. Nature Cell Biology, 2013, 15, 241-248.	10.3	111
20	Structure and Non-Structure of Centrosomal Proteins. PLoS ONE, 2013, 8, e62633.	2.5	25
21	Drosophila Mgr, a Prefoldin subunit cooperating with von Hippel Lindau to regulate tubulin stability. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5729-5734.	7.1	27
22	On the inscrutable role of Inscuteable: structural basis and functional implications for the competitive binding of NuMA and Inscuteable to LGN. Open Biology, 2012, 2, 120102.	3.6	31
23	Synergism between altered cortical polarity and the PI3K/TOR pathway in the suppression of tumour growth. EMBO Reports, 2012, 13, 157-162.	4.5	12
24	Hsp90 inhibition differentially destabilises MAP kinase and TGF-beta signalling components in cancer cells revealed by kinase-targeted chemoproteomics. BMC Cancer, 2012, 12, 38.	2.6	41
25	An Ana2/Ctp/Mud Complex Regulates Spindle Orientation in Drosophila Neuroblasts. Developmental Cell, 2011, 21, 520-533.	7.0	61
26	Drosophila neuroblasts retain the daughter centrosome. Nature Communications, 2011, 2, 243.	12.8	171
27	The interphase microtubule aster is a determinant of asymmetric division orientation in Drosophila neuroblasts. Journal of Cell Biology, 2010, 188, 693-706.	5.2	91
28	Ectopic Expression of Germline Genes Drives Malignant Brain Tumor Growth in Drosophila. Science, 2010, 330, 1824-1827.	12.6	252
29	Neural stem cells: the need for a proper orientation. Current Opinion in Genetics and Development, 2010, 20, 438-442.	3.3	28
30	Interplay between the Transcription Factor Zif and aPKC Regulates Neuroblast Polarity and Self-Renewal. Developmental Cell, 2010, 19, 778-785.	7.0	23
31	Timeâ€Lapse Imaging of Embryonic Neural Stem Cell Division in Drosophila by Twoâ€Photon Microscopy. Current Protocols in Stem Cell Biology, 2010, 13, Unit1H.2.	3.0	8
32	Spindle alignment is achieved without rotation after the first cell cycle inDrosophilaembryonic neuroblasts. Development (Cambridge), 2009, 136, 3393-3397.	2.5	48
33	Below the Convergence. Current Biology, 2009, 19, R313-R314.	3.9	0
34	Polyhomeotic has a tumor suppressor activity mediated by repression of Notch signaling. Nature Genetics, 2009, 41, 1076-1082.	21.4	112
35	Biased segregation of DNA and centrosomes â€" moving together or drifting apart?. Nature Reviews Molecular Cell Biology, 2009, 10, 804-810.	37.0	52
36	Drosophila asymmetric division, polarity and cancer. Oncogene, 2008, 27, 6994-7002.	5.9	73

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37	Centrosome function during stem cell division: the devil is in the details. Current Opinion in Cell Biology, 2008, 20, 694-698.	5.4	24
38	Centrosome Dysfunction in Drosophila Neural Stem Cells Causes Tumors that Are Not Due to Genome Instability. Current Biology, 2008, 18, 1209-1214.	3.9	154
39	Spermatocyte cytokinesis requires rapid membrane addition mediated by ARF6 on central spindle recycling endosomes. Development (Cambridge), 2007, 134, 4437-4447.	2.5	90
40	Functionally Unequal Centrosomes Drive Spindle Orientation in Asymmetrically Dividing Drosophila Neural Stem Cells. Developmental Cell, 2007, 12, 467-474.	7.0	262
41	Spindle orientation, asymmetric division and tumour suppression in Drosophila stem cells. Nature Reviews Genetics, 2007, 8, 462-472.	16.3	169
42	Asterless Is a Centriolar Protein Required for Centrosome Function and Embryo Development in Drosophila. Current Biology, 2007, 17, 1735-1745.	3.9	142
43	Connecting Cancer to the Asymmetric Division of Stem Cells. Cell, 2006, 124, 1121-1123.	28.9	49
44	Localized transfection with magnetic beads coated with PCR products and other nucleic acids. Nature Protocols, 2006, 1, 526-531.	12.0	10
45	Induction of tumor growth by altered stem-cell asymmetric division in Drosophila melanogaster. Nature Genetics, 2005, 37, 1125-1129.	21.4	406
46	Localized transfection on arrays of magnetic beads coated with PCR products. Nature Methods, 2005, 2, 113-118.	19.0	36
47	Structure and microtubule-nucleation activity of isolated Drosophila embryo centrosomes characterized by whole mount scanning and transmission electron microscopy. Histochemistry and Cell Biology, 2005, 124, 325-334.	1.7	7
48	Time-Lapse Imaging of Male Meiosis by Phase-Contrast and Fluorescence Microscopy. , 2004, 247, 77-88.		13
49	Contribution of Noncentrosomal Microtubules to Spindle Assembly in Drosophila Spermatocytes. PLoS Biology, 2004, 2, e8.	5.6	84
50	Cell Division: The Place and Time of Cytokinesis. Current Biology, 2003, 13, R363-R365.	3.9	5
51	Drosophila dd4 mutants reveal that Î³TuRC is required to maintain juxtaposed half spindles in spermatocytes. Journal of Cell Science, 2003, 116, 929-941.	2.0	33
52	Â-Tubulin function during female germ-cell development and oogenesis in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10263-10268.	7.1	25
53	Aurora-A in Cell Fate Control. Science Signaling, 2002, 2002, pe48-pe48.	3.6	3
54	Miranda, a protein involved in neuroblast asymmetric division, is associated with embryonic centrosomes of Drosophila melanogaster. Biology of the Cell, 2002, 94, 1-13.	2.0	19

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55	Computer-aided design of a PDZ domain to recognize new target sequences. Nature Structural Biology, 2002, 9, 621-7.	9.7	83
56	Cdc37 is essential for chromosome segregation and cytokinesis in higher eukaryotes. EMBO Journal, 2002, 21, 5364-5374.	7.8	45
57	Patterns of Cell Division and Expression of Asymmetric Cell Fate Determinants in Postembryonic Neuroblast Lineages of Drosophila. Developmental Biology, 2001, 230, 125-138.	2.0	68
58	Requirement of Hsp90 for centrosomal function reflects its regulation of Polo kinase stability. EMBO Journal, 2001, 20, 2878-2884.	7.8	85
59	Dominant-negative mutant dynein allows spontaneous centrosome assembly, uncouples chromosome and centrosome cycles. Current Biology, 2001, 11, 136-140.	3.9	16
60	Organized microtubule arrays in Î³-tubulin-depleted Drosophila spermatocytes. Current Biology, 2001, 11, 1788-1793.	3.9	58
61	Protein traps: using intracellular localization for cloning. Trends in Cell Biology, 2000, 10, 162-165.	7.9	24
62	Visualizing the spindle checkpoint inDrosophilaspermatocytes. EMBO Reports, 2000, 1, 65-70.	4.5	55
63	Vaccinia virus infection disrupts microtubule organization and centrosome function. EMBO Journal, 2000, 19, 3932-3944.	7.8	151
64	Hsp90 is a core centrosomal component and is required at different stages of the centrosome cycle in Drosophila and vertebrates. EMBO Journal, 2000, 19, 1252-1262.	7.8	111
65	Interactions between mgr , asp , and polo : asp function modulated by polo and needed to maintain the poles of monopolar and bipolar spindles. Chromosoma, 1998, 107, 452-460.	2.2	28
66	The Drosophila Gene abnormal spindle Encodes a Novel Microtubule-associated Protein That Associates with the Polar Regions of the Mitotic Spindle. Journal of Cell Biology, 1997, 137, 881-890.	5.2	142
67	16 Methods in Drosophila Cell Cycle Biology. Current Topics in Developmental Biology, 1997, 36, 279-291.	2.2	9
68	Essential role for gamma -tubulin in the acentriolar female meiotic spindle of Drosophila. EMBO Journal, 1997, 16, 1809-1819.	7.8	92
69	Mutations in New Cell Cycle Genes That Fail to Complement a Multiply Mutant Third Chromosome of Drosophila. Genetics, 1996, 144, 1097-1111.	2.9	17
70	Transposable elements map in a conserved pattern of distribution extending from beta-heterochromatin to centromeres in Drosophila melanogaster. Chromosoma, 1995, 103, 676-684.	2.2	101
71	Transposable elements map in a conserved pattern of distribution extending from beta-heterochromatin to centromeres in Drosophila melanogaster. Chromosoma, 1995, 103, 676-684.	2.2	12
72	Molecular analysis of ribosomal DNA from the aphid Amphorophora idaei and an associated fungal organism. Insect Molecular Biology, 1994, 3, 183-189.	2.0	36

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73	Cell Cycle Genes of Drosophila. Advances in Genetics, 1994, 31, 79-138.	1.8	9
74	The Centrosome. Scientific American, 1993, 268, 62-68.	1.0	51
75	Cell type-specific gene expression in the Drosophila melanogaster male accessory gland. Mechanisms of Development, 1992, 38, 33-40.	1.7	83
76	Regulation of the G1-S transition in postembryonic neuronal precursors by axon ingrowth. Nature, 1992, 355, 253-255.	27.8	102
77	The spindle is required for the process of sister chromatid separation in Drosophila neuroblasts. Experimental Cell Research, 1991, 192, 10-15.	2.6	45
78	polo encodes a protein kinase homolog required for mitosis in Drosophila.. Genes and Development, 1991, 5, 2153-2165.	5.9	371
79	Cyclical Changes in the Subcellular Distribution of Proteins Essential for Mitosis during Embryogenesis in Drosophila. Cold Spring Harbor Symposia on Quantitative Biology, 1991, 56, 709-717.	1.1	1
80	Relationship between chromosome content and nuclear diameter in early spermatids ofDrosophila melanogaster. Genetical Research, 1989, 54, 205-212.	0.9	41
81	Transcripts of one of two Drosophila cyclin genes become localized in pole cells during embryogenesis. Nature, 1989, 338, 337-340.	27.8	132
82	Towards the genetic dissection of mitosis inDrosophila. BioEssays, 1987, 7, 204-210.	2.5	13