

Giuliano Callaini

List of Publications by Year in descending order

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119
papers

5,248
citations

109321
35
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95266
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124
all docs

124
docs citations

124
times ranked

4305
citing authors

#	ARTICLE	IF	CITATIONS
1	SAK/PLK4 Is Required for Centriole Duplication and Flagella Development. <i>Current Biology</i> , 2005, 15, 2199-2207.	3.9	553
2	Dlg protein is required for junction structure, cell polarity, and proliferation control in <i>Drosophila</i> epithelia.. <i>Journal of Cell Biology</i> , 1996, 134, 1469-1482.	5.2	400
3	Asterless is a scaffold for the onset of centriole assembly. <i>Nature</i> , 2010, 467, 714-718.	27.8	275
4	Recent Zika Virus Isolates Induce Premature Differentiation of Neural Progenitors in Human Brain Organoids. <i>Cell Stem Cell</i> , 2017, 20, 397-406.e5.	11.1	267
5	Revisiting the Role of the Mother Centriole in Centriole Biogenesis. <i>Science</i> , 2007, 316, 1046-1050.	12.6	236
6	The SCF/Slimb Ubiquitin Ligase Limits Centrosome Amplification through Degradation of SAK/PLK4. <i>Current Biology</i> , 2009, 19, 43-49.	3.9	226
7	<scp>CPAP</scp> promotes timely cilium disassembly to maintain neural progenitor pool. <i>EMBO Journal</i> , 2016, 35, 803-819.	7.8	208
8	<i>Drosophila</i> Polo Kinase Is Required for Cytokinesis. <i>Journal of Cell Biology</i> , 1998, 143, 659-671.	5.2	196
9	DSAS-6 Organizes a Tube-like Centriole Precursor, and Its Absence Suggests Modularity in Centriole Assembly. <i>Current Biology</i> , 2007, 17, 1465-1472.	3.9	172
10	Conserved molecular interactions in centriole-to-centrosome conversion. <i>Nature Cell Biology</i> , 2016, 18, 87-99.	10.3	121
11	Citron kinase controls a molecular network required for midbody formation in cytokinesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9782-9787.	7.1	99
12	Fertilization in <i>Drosophila melanogaster</i> : Centrosome Inheritance and Organization of the First Mitotic Spindle. <i>Developmental Biology</i> , 1996, 176, 199-208.	2.0	93
13	Assembly and Persistence of Primary Cilia in Dividing <i>Drosophila</i> Spermatocytes. <i>Developmental Cell</i> , 2012, 23, 425-432.	7.0	88
14	A requirement for the Abnormal Spindle protein to organise microtubules of the central spindle for cytokinesis in <i>Drosophila</i> . <i>Journal of Cell Science</i> , 2002, 115, 913-922.	2.0	82
15	Human brain organoids assemble functionally integrated bilateral optic vesicles. <i>Cell Stem Cell</i> , 2021, 28, 1740-1757.e8.	11.1	77
16	Centriole and Centrosome Dynamics during the Embryonic Cell Cycles That Follow the Formation of the Cellular Blastoderm in <i>Drosophila</i> . <i>Experimental Cell Research</i> , 1997, 234, 183-190.	2.6	76
17	Mitotic Defects Associated with Cytoplasmic Incompatibility in <i>Drosophila simulans</i> . <i>Journal of Invertebrate Pathology</i> , 1996, 67, 55-64.	3.2	72
18	The midbody interactome reveals unexpected roles for PP1 phosphatases in cytokinesis. <i>Nature Communications</i> , 2019, 10, 4513.	12.8	69

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19	Nup154, a New Drosophila Gene Essential for Male and Female Gametogenesis Is Related to the Nup155 Vertebrate Nucleoporin Gene. <i>Journal of Cell Biology</i> , 1998, 142, 1195-1207.	5.2	68
20	Drosophila parthenogenesis: a model for de novo centrosome assembly. <i>Developmental Biology</i> , 2003, 260, 298-313.	2.0	67
21	From centriole biogenesis to cellular function: Centrioles are essential for cell division at critical developmental stages. <i>Cell Cycle</i> , 2008, 7, 11-16.	2.6	67
22	The Drosophila parkin homologue is required for normal mitochondrial dynamics during spermiogenesis. <i>Developmental Biology</i> , 2007, 303, 108-120.	2.0	66
23	A requirement for the Abnormal Spindle protein to organise microtubules of the central spindle for cytokinesis in Drosophila. <i>Journal of Cell Science</i> , 2002, 115, 913-22.	2.0	66
24	Centrosome inheritance in insects: Fertilization and parthenogenesis. <i>Biology of the Cell</i> , 1999, 91, 355-366.	2.0	64
25	Spindle Formation in the Mouse Embryo Requires Plk4 in the Absence of Centrioles. <i>Developmental Cell</i> , 2013, 27, 586-597.	7.0	63
26	Drosophila Klp67A is required for proper chromosome congression and segregation during meiosis I. <i>Journal of Cell Science</i> , 2004, 117, 3669-3677.	2.0	59
27	Localization of the Bcl-2 Protein to the Outer Mitochondrial Membrane by Electron Microscopy. <i>Experimental Cell Research</i> , 1995, 221, 363-369.	2.6	56
28	Klp10A, a Microtubule-Depolymerizing Kinesin-13, Cooperates with CP110 to Control Drosophila Centriole Length. <i>Current Biology</i> , 2012, 22, 502-509.	3.9	54
29	Microtubule Organization during the Early Development of the Parthenogenetic Egg of the Hymenopteran <i>Muscidifurax uniraptor</i> . <i>Developmental Biology</i> , 1998, 195, 89-99.	2.0	48
30	The cilium like region of the <i>Drosophila</i> spermatocyte: an oncoming flagellum?. <i>Journal of Cell Science</i> , 2013, 126, 5441-52.	2.0	42
31	Klp67A destabilises pre-anaphase microtubules but subsequently is required to stabilise the central spindle. <i>Journal of Cell Science</i> , 2005, 118, 2671-2682.	2.0	41
32	Wolbachia-Mediated Male Killing Is Associated with Defective Chromatin Remodeling. <i>PLoS ONE</i> , 2012, 7, e30045.	2.5	41
33	Protein kinase C is required for the disappearance of MPF upon artificial activation in mouse eggs. <i>Molecular Reproduction and Development</i> , 1997, 48, 292-299.	2.0	40
34	Cross-regulation between Aurora B and Citron kinase controls midbody architecture in cytokinesis. <i>Open Biology</i> , 2016, 6, 160019.	3.6	39
35	Cytoskeleton of the <i>Drosophila</i> egg chamber: New observations on microfilament distribution during oocyte growth. <i>Cytoskeleton</i> , 1995, 31, 298-306.	4.4	38
36	Aster self-organization at meiosis: a conserved mechanism in insect parthenogenesis?. <i>Developmental Biology</i> , 2005, 278, 220-230.	2.0	38

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37	The <i>Drosophila</i> centriole: conversion of doublets to triplets within the stem cell niche. <i>Journal of Cell Science</i> , 2015, 128, 2437-42.	2.0	38
38	Pole Cell Migration through the Gut Wall of the <i>Drosophila</i> Embryo: Analysis of Cell Interactions. <i>Developmental Biology</i> , 1995, 170, 365-375.	2.0	37
39	Male gametogenesis without centrioles. <i>Developmental Biology</i> , 2011, 349, 427-439.	2.0	36
40	Effects of Wolbachia on sperm maturation and architecture in <i>Drosophila simulans</i> Riverside. <i>Mechanisms of Development</i> , 2007, 124, 699-714.	1.7	34
41	Structural characterization of procentrioles in <i>Drosophila</i> spermatids. <i>Cytoskeleton</i> , 2015, 72, 576-584.	2.0	34
42	Mutations in <i>Cog7</i> affect Golgi structure, meiotic cytokinesis and sperm development during <i>Drosophila</i> spermatogenesis. <i>Journal of Cell Science</i> , 2012, 125, 5441-52.	2.0	33
43	Assembly of the zygotic centrosome in the fertilized <i>Drosophila</i> egg. <i>Mechanisms of Development</i> , 1997, 65, 135-144.	1.7	32
44	The insect centriole: A land of discovery. <i>Tissue and Cell</i> , 2010, 42, 69-80.	2.2	29
45	Centrosome splitting during nuclear elongation in the <i>Drosophila</i> embryo. <i>Experimental Cell Research</i> , 1988, 178, 415-425.	2.6	28
46	The meiotic spindle of the <i>Drosophila</i> oocyte: the role of Centrosomin and the central aster. <i>Journal of Cell Science</i> , 2005, 118, 2827-2836.	2.0	27
47	<i>Drosophila</i> Mgr, a Prefoldin subunit cooperating with von Hippel Lindau to regulate tubulin stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5729-5734.	7.1	27
48	Loss of Centrobin Enables Daughter Centrioles to Form Sensory Cilia in <i>Drosophila</i> . <i>Current Biology</i> , 2015, 25, 2319-2324.	3.9	26
49	Cilium induction triggers differentiation of glioma stem cells. <i>Cell Reports</i> , 2021, 36, 109656.	6.4	24
50	The spermatogenesis and sperm structure of <i>Acerentomon microrhinus</i> (Protura, Hexapoda) with considerations on the phylogenetic position of the taxon. <i>Zoomorphology</i> , 2010, 129, 61-80.	0.8	23
51	Plk1/Polo Phosphorylates Sas-4 at the Onset of Mitosis for an Efficient Recruitment of Pericentriolar Material to Centrosomes. <i>Cell Reports</i> , 2018, 25, 3618-3630.e6.	6.4	23
52	A comparative analysis of the evolution of the egg envelopes and the origin of the yolk. <i>Bollettino Di Zoologia</i> , 1984, 51, 35-101.	0.3	22
53	Cytochalasin induces spindle fusion in the syncytial blastoderm of the early <i>Drosophila</i> embryo. <i>Biology of the Cell</i> , 1992, 74, 249-254.	2.0	22
54	Centriole symmetry: A big tale from small organisms. <i>Cytoskeleton</i> , 2009, 66, 1100-1105.	4.4	22

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55	Unique properties of <i>Drosophila</i> spermatocyte primary cilia. <i>Biology Open</i> , 2013, 2, 1137-1147.	1.2	22
56	Inhibition of Polo kinase by BI2536 affects centriole separation during <i>Drosophila</i> male meiosis. <i>Cell Cycle</i> , 2014, 13, 2064-2263.	2.6	18
57	Abnormal centrosomes in cold-treated <i>Drosophila</i> embryos. <i>Experimental Cell Research</i> , 1989, 184, 367-374.	2.6	17
58	Centrosome inheritance in the parthenogenetic egg of the collembolan <i>Folsomia candida</i> . <i>Cell and Tissue Research</i> , 2006, 326, 861-872.	2.9	17
59	Spermiogenesis in Three Species of Whitefly (Homoptera, Aleyrodidae). <i>Acta Zoologica</i> , 1997, 78, 163-170.	0.8	16
60	<i>Drosophila</i> nucleoporin Nup154 controls cell viability, proliferation and nuclear accumulation of Mad transcription factor. <i>Tissue and Cell</i> , 2011, 43, 254-261.	2.2	16
61	Centrobin is essential for C-tubule assembly and flagellum development in <i>Drosophila melanogaster</i> spermatogenesis. <i>Journal of Cell Biology</i> , 2018, 217, 2365-2372.	5.2	16
62	Microfilament distribution in cold-treated <i>Drosophila</i> embryos. <i>Experimental Cell Research</i> , 1991, 194, 316-321.	2.6	15
63	β -Tubulin is transiently associated with the <i>Drosophila</i> oocyte meiotic apparatus. <i>European Journal of Cell Biology</i> , 1998, 75, 21-28.	3.6	15
64	Gorab is a Golgi protein required for structure and duplication of <i>Drosophila</i> centrioles. <i>Nature Genetics</i> , 2018, 50, 1021-1031.	21.4	15
65	The <i>Drosophila</i> nucleoporin gene nup154 is required for correct microfilament dynamics and cell death during oogenesis. <i>Cytoskeleton</i> , 2007, 64, 590-604.	4.4	14
66	Abnormal behavior of the yolk centrosomes during early embryogenesis of <i>Drosophila melanogaster</i> . <i>Experimental Cell Research</i> , 1991, 192, 16-21.	2.6	13
67	The abnormal spindle protein is required for germ cell mitosis and oocyte differentiation during <i>Drosophila</i> oogenesis. <i>Experimental Cell Research</i> , 2004, 298, 96-106.	2.6	13
68	Procentriole assembly without centriole disengagement: a paradox of male gametogenesis. <i>Journal of Cell Science</i> , 2014, 127, 3434-9.	2.0	12
69	The "transition zone" of the cilium-like regions in the <i>Drosophila</i> spermatocytes and the role of the C-tubule in axoneme assembly. <i>Experimental Cell Research</i> , 2018, 371, 262-268.	2.6	12
70	Procentriole elongation and recruitment of pericentriolar material are downregulated in cyst cells as they enter quiescence. <i>Journal of Cell Science</i> , 2009, 122, 3613-3618.	2.0	11
71	Virus-like Particles and Rickettsia-like Organisms in Male Germ and Cyst Cells of <i>Bemisia tabaci</i> (Homoptera, Aleyrodidae). <i>Journal of Invertebrate Pathology</i> , 1996, 67, 309-311.	3.2	10
72	Centrioles to basal bodies in the spermiogenesis of <i>Mastotermes darwiniensis</i> (Insecta, Termitidae). <i>Journal of Eukaryotic Microbiology</i> , 2000, 47, 10-14.	4.4	10

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73	Centrosome inheritance in insects: Fertilization and parthenogenesis. <i>Biology of the Cell</i> , 1999, 91, 355-366.	2.0	10
74	Diazepam induces abnormal mitosis in the early <i>Drosophila</i> embryo. <i>Biology of the Cell</i> , 1989, 67, 313-320.	2.0	9
75	Spatial organization of microtubules and microfilaments in larval and adult salivary glands of <i>Drosophila melanogaster</i> . <i>Tissue and Cell</i> , 1993, 25, 751-762.	2.2	9
76	A microtubule organizing centre (MTOC) is responsible for the production of the sperm flagellum in <i>Matsucoccus feytaudi</i> (Hemiptera: Coccoidea). <i>Arthropod Structure and Development</i> , 2015, 44, 237-242.	1.4	9
77	The Microtubule-Depolymerizing Kinesin-13 Klp10A Is Enriched in the Transition Zone of the Ciliary Structures of <i>Drosophila melanogaster</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 173.	3.7	9
78	Detachment of the basal body from the sperm tail is not required to organize functional centrosomes during <i>Drosophila</i> embryogenesis. <i>Cytoskeleton</i> , 2010, 67, 251-258.	2.0	8
79	The developing <i>Drosophila</i> eye: an oncoming model to study centriole reduction. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	8
80	Patterns of microtubule assembly in taxol-treated early <i>Drosophila</i> embryo. , 1997, 37, 300-307.		7
81	Assembly of yolk spindles in the early <i>Drosophila</i> embryo. <i>Mechanisms of Development</i> , 2003, 120, 441-454.	1.7	7
82	<i>Drosophila</i> parthenogenesis: A tool to decipher centrosomal vs acentrosomal spindle assembly pathways. <i>Experimental Cell Research</i> , 2008, 314, 1617-1625.	2.6	7
83	Klp10A modulates the localization of centriole-associated proteins during <i>Drosophila</i> male gametogenesis. <i>Cell Cycle</i> , 2016, 15, 3432-3441.	2.6	7
84	Parthenogenesis in Insects: The Centriole Renaissance. <i>Results and Problems in Cell Differentiation</i> , 2017, 63, 435-479.	0.7	7
85	The Microtubule Cytoskeleton during the Early <i>Drosophila</i> Spermiogenesis. <i>Cells</i> , 2020, 9, 2684.	4.1	7
86	Centrioles and Ciliary Structures during Male Gametogenesis in Hexapoda: Discovery of New Models. <i>Cells</i> , 2020, 9, 744.	4.1	7
87	A monoclonal antibody recognizing a common antigen on <i>Drosophila</i> embryos and human fibroblasts. <i>Cytoskeleton</i> , 1991, 19, 1-8.	4.4	6
88	Involvement of microtubules and microfilaments in centrosome dynamics during the syncytial mitoses of the early <i>Drosophila</i> embryo. <i>Experimental Cell Research</i> , 1992, 201, 241-244.	2.6	6
89	Microtubule-dependent organization of subcortical microfilaments in the early <i>Drosophila</i> embryo. <i>Developmental Dynamics</i> , 2007, 236, 662-670.	1.8	6
90	Aurora A inhibition by MNL8054 promotes centriole elongation during <i>Drosophila</i> male meiosis. <i>Cell Cycle</i> , 2015, 14, 2844-2852.	2.6	6

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91	Does Unc-GFP uncover ciliary structures in the rhabdomeric eye of <i>Drosophila</i> ?. Journal of Cell Science, 2016, 129, 2726-31.	2.0	5
92	Tissue specific requirement of <i>Drosophila</i> Rcd4 for centriole duplication and ciliogenesis. Journal of Cell Biology, 2020, 219, .	5.2	5
93	The cytoskeleton of the ventral nephrocytes of <i>Ceratitis capitata</i> larva. Cell and Tissue Research, 1994, 275, 529-536.	2.9	4
94	A transient microtubule-based structure uncovers a new intrinsic asymmetry between the mother centrioles in the early <i>Drosophila</i> spermatocytes. Cytoskeleton, 2018, 75, 472-480.	2.0	4
95	<i>Drosophila</i> doublefault protein coordinates multiple events during male meiosis by controlling mRNA translation. Development (Cambridge), 2019, 146, .	2.5	4
96	Microfilament distribution during gastrulation in the <i>Drosophila melanogaster</i> embryo as visualized with Rhodophalloidin. Bollettino Di Zoologia, 1989, 56, 125-130.	0.3	3
97	Ultrastructure of the <i>Geogarypus nigrimanus</i> Spermatozoon (Arachnida, Pseudoscorpionida). Acta Zoologica, 1990, 71, 37-43.	0.8	3
98	Cytoskeleton of larval and adult salivary glands of the dipteran <i>Ceratitis capitata</i> . Implication of microfilaments and microtubules in saliva discharge. Bollettino Di Zoologia, 1994, 61, 9-17.	0.3	3
99	Microscopy Methods for the Study of Centriole Biogenesis and Function in <i>Drosophila</i> . Methods in Cell Biology, 2010, 97, 223-242.	1.1	3
100	The male stem cell niche of <i>Drosophila melanogaster</i> : Interactions between the germline stem cells and the hub. Experimental Cell Research, 2019, 383, 111489.	2.6	3
101	Diazepam induces abnormal mitosis in the early <i>Drosophila</i> embryo. Biology of the Cell, 1989, 67, 313-320.	2.0	3
102	The Singularity of the <i>Drosophila</i> Male Germ Cell Centriole: The Asymmetric Distribution of Sas4 and Sas6. Cells, 2020, 9, 115.	4.1	3
103	SPELEOBIOLOGIA DELLA SOMALIA. <i>CRYPTOCHEIRIDIUM SOMALICUM</i> N. SP. (ARACHNIDA) Tj ETQq1 1 0.784314 rgBT /Overlook Supplemento, 1985, 20, 181-189.	0.1	2
104	Cuticle formation during the embryonic development of the dipteran <i>Ceratitis capitata</i> Wied. Bollettino Di Zoologia, 1987, 54, 221-227.	0.3	2
105	The cortical actin cytoskeleton in a Dipteran embryo: Analysis of the spatial reorganization of F-actin aggregates during the early nuclear division cycles. Biology of the Cell, 1993, 78, 223-227.	2.0	2
106	Primordial germ cell migration in the <i>Ceratitis capitata</i> embryo. Tissue and Cell, 1996, 28, 99-105.	2.2	2
107	Early <i>Drosophila</i> Oogenesis: A Tale of Centriolar Asymmetry. Cells, 2021, 10, 1997.	4.1	2
108	Surface cap formation in <i>Drosophila Melanogaster</i> embryos during nuclear cycles 9 and 10: Sem and anti-tubulin studies. Bollettino Di Zoologia, 1987, 54, 213-219.	0.3	1

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109	Cleavage and membrane formation in the blastoderm of the dipteran <i>Ceratitis capitata</i> wied. Journal of Morphology, 1987, 193, 305-315.	1.2	1
110	F-actin distribution in the developing nervous system of <i>Drosophila melanogaster</i> embryo. Bollettino Di Zoologia, 1990, 57, 45-50.	0.3	1
111	Behaviour of yolk nuclei during early embryogenesis in <i>Drosophila melanogaster</i> . Bollettino Di Zoologia, 1990, 57, 215-220.	0.3	1
112	The proliferating cell marker monoclonal antibody Ki-67 recognizes specific antigens associated with the nuclear envelope of the early <i>Drosophila</i> embryo. Biology of the Cell, 1994, 81, 39-45.	2.0	1
113	Monoclonal antibody raised against murine IL-1 γ peptide cross-reacts with a 60-kDa antigen in early <i>Drosophila melanogaster</i> embryo. Cell and Tissue Research, 1995, 282, 269-275.	2.9	1
114	A segment corresponding to amino acids Gln199-Lys208 of murine IL-1 β cross-reacts with an antigenic determinant localized in the Z-line of <i>Drosophila melanogaster</i> myofibrils. Biology of the Cell, 1996, 86, 139-140.	2.0	1
115	Effects of diazepam on cellularization and nuclear migration in the early <i>Drosophila</i> embryo. Bollettino Di Zoologia, 1992, 59, 395-399.	0.3	0
116	Surface cap modifications in cold-treated <i>Drosophila melanogaster</i> embryos. Cell and Tissue Research, 1992, 270, 553-558.	2.9	0
117	<i>parva germina</i> , a gene involved in germ cell maintenance during male and female <i>Drosophila</i> gametogenesis. Developmental Dynamics, 2005, 232, 835-844.	1.8	0
118	Sas-4 Colocalizes with the Ciliary Rootlets of the <i>Drosophila</i> Sensory Organs. Journal of Developmental Biology, 2021, 9, 1.	1.7	0
119	Monoclonal antibody raised against murine IL-1 γ peptide cross-reacts with a 60-kDa antigen in early <i>Drosophila melanogaster</i> embryo. Cell and Tissue Research, 1995, 282, 269-275.	2.9	0