Giuliano Callaini

List of Publications by Year
in descending order

119 papers	5,248 citations	109137 35 h-index	95083 68 g-index
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. Current Biology, 2005, 15, 2199-2207.	1.8	553
2	Dlg protein is required for junction structure, cell polarity, and proliferation control in Drosophila epithelia.. Journal of Cell Biology, 1996, 134, 1469-1482.	2.3	400
3	Asterless is a scaffold for the onset of centriole assembly. Nature, 2010, 467, 714-718.	13.7	275
4	Recent Zika Virus Isolates Induce Premature Differentiation of Neural Progenitors in Human Brain Organoids. Cell Stem Cell, 2017, 20, 397-406.e5.	5.2	267
5	Revisiting the Role of the Mother Centriole in Centriole Biogenesis. Science, 2007, 316, 1046-1050.	6.0	236
6	The SCF/Slimb Ubiquitin Ligase Limits Centrosome Amplification through Degradation of SAK/PLK4. Current Biology, 2009, 19, 43-49.	1.8	226
7	<scp>CPAP</scp> promotes timely cilium disassembly to maintain neural progenitor pool. EMBO Journal, 2016, 35, 803-819.	3.5	208
8	Drosophila Polo Kinase Is Required for Cytokinesis. Journal of Cell Biology, 1998, 143, 659-671.	2.3	196
9	DSAS-6 Organizes a Tube-like Centriole Precursor, and Its Absence Suggests Modularity in Centriole Assembly. Current Biology, 2007, 17, 1465-1472.	1.8	172
10	Conserved molecular interactions in centriole-to-centrosome conversion. Nature Cell Biology, 2016, 18, 87-99.	4.6	121
11	Citron kinase controls a molecular network required for midbody formation in cytokinesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9782-9787.	3.3	99
12	Fertilization inDrosophila melanogaster:Centrosome Inheritance and Organization of the First Mitotic Spindle. Developmental Biology, 1996, 176, 199-208.	0.9	93
13	Assembly and Persistence of Primary Cilia in Dividing Drosophila Spermatocytes. Developmental Cell, 2012, 23, 425-432.	3.1	88
14	A requirement for the Abnormal Spindle protein to organise microtubules of the central spindle for cytokinesis in<i>Drosophila</i>. Journal of Cell Science, 2002, 115, 913-922.	1.2	82
15	Human brain organoids assemble functionally integrated bilateral optic vesicles. Cell Stem Cell, 2021, 28, 1740-1757.e8.	5.2	77
16	Centriole and Centrosome Dynamics during the Embryonic Cell Cycles That Follow the Formation of the Cellular Blastoderm inDrosophila. Experimental Cell Research, 1997, 234, 183-190.	1.2	76
17	Mitotic Defects Associated with Cytoplasmic Incompatibility inDrosophila simulans. Journal of Invertebrate Pathology, 1996, 67, 55-64.	1.5	72
18	The midbody interactome reveals unexpected roles for PP1 phosphatases in cytokinesis. Nature Communications, 2019, 10, 4513.	5.8	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. Journal of Cell Biology, 1998, 142, 1195-1207.	2.3	68
20	Drosophila parthenogenesis: a model for de novo centrosome assembly. Developmental Biology, 2003, 260, 298-313.	0.9	67
21	From centriole biogenesis to cellular function: Centrioles are essential for cell division at critical developmental stages. Cell Cycle, 2008, 7, 11-16.	1.3	67
22	The Drosophila parkin homologue is required for normal mitochondrial dynamics during spermiogenesis. Developmental Biology, 2007, 303, 108-120.	0.9	66
23	A requirement for the Abnormal Spindle protein to organise microtubules of the central spindle for cytokinesis in Drosophila. Journal of Cell Science, 2002, 115, 913-22.	1.2	66
24	Centrosome inheritance in insects: Fertilization and parthenogenesis. Biology of the Cell, 1999, 91, 355-366.	0.7	64
25	Spindle Formation in the Mouse Embryo Requires Plk4 in the Absence of Centrioles. Developmental Cell, 2013, 27, 586-597.	3.1	63
26	Drosophila Klp67A is required for proper chromosome congression and segregation during meiosis I. Journal of Cell Science, 2004, 117, 3669-3677.	1.2	59
27	Localization of the Bcl-2 Protein to the Outer Mitochondrial Membrane by Electron Microscopy. Experimental Cell Research, 1995, 221, 363-369.	1.2	56
28	Klp10A, a Microtubule-Depolymerizing Kinesin-13, Cooperates with CP110 to Control Drosophila Centriole Length. Current Biology, 2012, 22, 502-509.	1.8	54
29	Microtubule Organization during the Early Development of the Parthenogenetic Egg of the HymenopteranMuscidifurax uniraptor. Developmental Biology, 1998, 195, 89-99.	0.9	48
30	The cilium like region of the<i>Drosophila</i>spermatocyte: an oncoming flagellum?. Journal of Cell Science, 2013, 126, 5441-52.	1.2	42
31	Klp67A destabilises pre-anaphase microtubules but subsequently is required to stabilise the central spindle. Journal of Cell Science, 2005, 118, 2671-2682.	1.2	41
32	Wolbachia-Mediated Male Killing Is Associated with Defective Chromatin Remodeling. PLoS ONE, 2012, 7, e30045.	1.1	41
33	Protein kinase C is required for the disappearance of MPF upon artificial activation in mouse eggs. Molecular Reproduction and Development, 1997, 48, 292-299.	1.0	40
34	Cross-regulation between Aurora B and Citron kinase controls midbody architecture in cytokinesis. Open Biology, 2016, 6, 160019.	1.5	39
35	Cytoskeleton of theDrosophila egg chamber: New observations on microfilament distribution during oocyte growth. Cytoskeleton, 1995, 31, 298-306.	4.4	38
36	Aster self-organization at meiosis: a conserved mechanism in insect parthenogenesis?. Developmental Biology, 2005, 278, 220-230.	0.9	38

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37	The <i>Drosophila</i> centriole: conversion of doublets to triplets within the stem cell niche. Journal of Cell Science, 2015, 128, 2437-42.	1.2	38
38	Pole Cell Migration through the Gut Wall of the Drosophila Embryo: Analysis of Cell Interactions. Developmental Biology, 1995, 170, 365-375.	0.9	37
39	Male gametogenesis without centrioles. Developmental Biology, 2011, 349, 427-439.	0.9	36
40	Effects of Wolbachia on sperm maturation and architecture in Drosophila simulans Riverside. Mechanisms of Development, 2007, 124, 699-714.	1.7	34
41	Structural characterization of procentrioles in Drosophila spermatids. Cytoskeleton, 2015, 72, 576-584.	1.0	34
42	Mutations in<i>Cog7</i>affect Golgi structure, meiotic cytokinesis and sperm development during<i>Drosophila</i>spermatogenesis. Journal of Cell Science, 2012, 125, 5441-52.	1.2	33
43	Assembly of the zygotic centrosome in the fertilized Drosophila egg. Mechanisms of Development, 1997, 65, 135-144.	1.7	32
44	The insect centriole: A land of discovery. Tissue and Cell, 2010, 42, 69-80.	1.0	29
45	Centrosome splitting during nuclear elongation in the Drosophila embryo. Experimental Cell Research, 1988, 178, 415-425.	1.2	28
46	The meiotic spindle of the Drosophila oocyte: the role of Centrosomin and the central aster. Journal of Cell Science, 2005, 118, 2827-2836.	1.2	27
47	<i>Drosophila</i> 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.	3.3	27
48	Loss of Centrobin Enables Daughter Centrioles to Form Sensory Cilia in Drosophila. Current Biology, 2015, 25, 2319-2324.	1.8	26
49	Cilium induction triggers differentiation of glioma stem cells. Cell Reports, 2021, 36, 109656.	2.9	24
50	The spermatogenesis and sperm structure of Acerentomon microrhinus (Protura, Hexapoda) with considerations on the phylogenetic position of the taxon. Zoomorphology, 2010, 129, 61-80.	0.4	23
51	Plk1/Polo Phosphorylates Sas-4 at the Onset of Mitosis for an Efficient Recruitment of Pericentriolar Material to Centrosomes. Cell Reports, 2018, 25, 3618-3630.e6.	2.9	23
52	A comparative analysis of the evolution of the egg envelopes and the origin of the yolk. Bollettino Di Zoologia, 1984, 51, 35-101.	0.3	22
53	Cytochalasin induces spindle fusion in the syncytial blastoderm of the early Drosophila embryo. Biology of the Cell, 1992, 74, 249-254.	0.7	22
54	Centriole symmetry: A big tale from small organisms. Cytoskeleton, 2009, 66, 1100-1105.	4.4	22

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55	Unique properties of Drosophila spermatocyte primary cilia. Biology Open, 2013, 2, 1137-1147.	0.6	22
56	Inhibition of Polo kinase by BI2536 affects centriole separation duringDrosophilamale meiosis. Cell Cycle, 2014, 13, 2064-2263.	1.3	18
57	Abnormal centrosomes in cold-treated Drosophila embryos. Experimental Cell Research, 1989, 184, 367-374.	1.2	17
58	Centrosome inheritance in the parthenogenetic egg of the collembolan Folsomia candida. Cell and Tissue Research, 2006, 326, 861-872.	1.5	17
59	Spermiogenesis in Three Species of Whitefly (Homoptera, Aleyrodidae). Acta Zoologica, 1997, 78, 163-170.	0.6	16
60	Drosophila nucleoporin Nup154 controls cell viability, proliferation and nuclear accumulation of Mad transcription factor. Tissue and Cell, 2011, 43, 254-261.	1.0	16
61	Centrobin is essential for C-tubule assembly and flagellum development in Drosophila melanogaster spermatogenesis. Journal of Cell Biology, 2018, 217, 2365-2372.	2.3	16
62	Microfilament distribution in cold-treated Drosophila embryos. Experimental Cell Research, 1991, 194, 316-321.	1.2	15
63	Î³-Tubulin is transiently associated with the Drosophila oocyte meiotic apparatus. European Journal of Cell Biology, 1998, 75, 21-28.	1.6	15
64	Gorab is a Golgi protein required for structure and duplication of Drosophila centrioles. Nature Genetics, 2018, 50, 1021-1031.	9.4	15
65	TheDrosophila nucleoporin genenup154 is required for correct microfilament dynamics and cell death during oogenesis. Cytoskeleton, 2007, 64, 590-604.	4.4	14
66	Abnormal behavior of the yolk centrosomes during early embryogenesis of Drosophila melanogaster. Experimental Cell Research, 1991, 192, 16-21.	1.2	13
67	The abnormal spindle protein is required for germ cell mitosis and oocyte differentiation during Drosophila oogenesis. Experimental Cell Research, 2004, 298, 96-106.	1.2	13
68	Procentriole assembly without centriole disengagement: a paradox of male gametogenesis. Journal of Cell Science, 2014, 127, 3434-9.	1.2	12
69	The â€œtransition zoneâ€• of the cilium-like regions in the Drosophila spermatocytes and the role of the C-tubule in axoneme assembly. Experimental Cell Research, 2018, 371, 262-268.	1.2	12
70	Procentriole elongation and recruitment of pericentriolar material are downregulated in cyst cells as they enter quiescence. Journal of Cell Science, 2009, 122, 3613-3618.	1.2	11
71	Virus-like Particles and Rickettsia-like Organisms in Male Germ and Cyst Cells ofBemisia tabaci(Homoptera, Aleyrodidae). Journal of Invertebrate Pathology, 1996, 67, 309-311.	1.5	10
72	Centrioles to basal bodies in the spermiogenesis of <i>Mastotermes darwiniensis</i> (Insecta,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	4.4	10

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73	Centrosome inheritance in insects: Fertilization and parthenogenesis. , 1999, 91, 355.		10
74	Diazepam induces abnormal mitosis in the early Drosophila embryo. Biology of the Cell, 1989, 67, 313-320.	0.7	9
75	Spatial organization of microtubules and microfilaments in larval and adult salivary glands of Drosophila melanogaster. Tissue and Cell, 1993, 25, 751-762.	1.0	9
76	A microtubule organizing centre (MTOC) is responsible for the production of the sperm flagellum in Matsucoccus feytaudi (Hemiptera: Coccoidea). Arthropod Structure and Development, 2015, 44, 237-242.	0.8	9
77	The Microtubule-Depolymerizing Kinesin-13 Klp10A Is Enriched in the Transition Zone of the Ciliary Structures of Drosophila melanogaster. Frontiers in Cell and Developmental Biology, 2019, 7, 173.	1.8	9
78	Detachment of the basal body from the sperm tail is not required to organize functional centrosomes during <i>Drosophila</i> embryogenesis. Cytoskeleton, 2010, 67, 251-258.	1.0	8
79	The developing <i>Drosophila</i> eye: an oncoming model to study centriole reduction. Journal of Cell Science, 2018, 131, .	1.2	8
80	Patterns of microtubule assembly in taxol-treated earlyDrosophila embryo. , 1997, 37, 300-307.		7
81	Assembly of yolk spindles in the early Drosophila embryo. Mechanisms of Development, 2003, 120, 441-454.	1.7	7
82	Drosophila parthenogenesis: A tool to decipher centrosomal vs acentrosomal spindle assembly pathways. Experimental Cell Research, 2008, 314, 1617-1625.	1.2	7
83	Klp10A modulates the localization of centriole-associated proteins during Drosophila male gametogenesis. Cell Cycle, 2016, 15, 3432-3441.	1.3	7
84	Parthenogenesis in Insects: The Centriole Renaissance. Results and Problems in Cell Differentiation, 2017, 63, 435-479.	0.2	7
85	The Microtubule Cytoskeleton during the Early Drosophila Spermiogenesis. Cells, 2020, 9, 2684.	1.8	7
86	Centrioles and Ciliary Structures during Male Gametogenesis in Hexapoda: Discovery of New Models. Cells, 2020, 9, 744.	1.8	7
87	A monoclonal antibody recognizing a common antigen onDrosophila embryos and human fibroblasts. Cytoskeleton, 1991, 19, 1-8.	4.4	6
88	Involvement of microtubules and microfilaments in centrosome dynamics during the syncytial mitoses of the early Drosophila embryo. Experimental Cell Research, 1992, 201, 241-244.	1.2	6
89	Microtubule-dependent organization of subcortical microfilaments in the earlyDrosophila embryo. Developmental Dynamics, 2007, 236, 662-670.	0.8	6
90	Aurora A inhibition by MNL8054 promotes centriole elongation during <i>Drosophila</i> male meiosis. Cell Cycle, 2015, 14, 2844-2852.	1.3	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.	1.2	5
92	Tissue specific requirement of Drosophila Rcd4 for centriole duplication and ciliogenesis. Journal of Cell Biology, 2020, 219, .	2.3	5
93	The cytoskeleton of the ventral nephrocytes of Ceratitis capitata larva. Cell and Tissue Research, 1994, 275, 529-536.	1.5	4
94	A transient microtubuleâ€based structure uncovers a new intrinsic asymmetry between the mother centrioles in the early Drosophila spermatocytes. Cytoskeleton, 2018, 75, 472-480.	1.0	4
95	Drosophila doublefault protein coordinates multiple events during male meiosis by controlling mRNA translation. Development (Cambridge), 2019, 146, .	1.2	4
96	Microfilament distribution during gastrulation in the<i>Drosophila melanogaster</i>embryo as visualized with Rhâ€phalloidin. 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.	0.6	3
98	Cytoskeleton of larval and adult salivary glands of the dipteranceratitis capitata.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 Drosophila. Methods in Cell Biology, 2010, 97, 223-242.	0.5	3
100	The male stem cell niche of Drosophila melanogaster: Interactions between the germline stem cells and the hub. Experimental Cell Research, 2019, 383, 111489.	1.2	3
101	Diazepam induces abnormal mitosis in the early Drosophila embryo. Biology of the Cell, 1989, 67, 313-320.	0.7	3
102	The Singularity of the Drosophila Male Germ Cell Centriole: The Asymmetric Distribution of Sas4 and Sas6. Cells, 2020, 9, 115.	1.8	3
103	SPELEOBIOLOGIA DELLA SOMALIA. <i>CRYPTOCHEIRIDIUM SOMALICUM</i> N. SP. (ARACHNIDA) Tj ETQq1 1 0.784314 rgBT /Overlock Supplemento, 1985, 20, 181-189.	0.1	2
104	Cuticle formation during the embryonic development of the dipteranCeratitis capitataWied. 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.	0.7	2
106	Primordial germ cell migration in the Ceratitis capitata embryo. Tissue and Cell, 1996, 28, 99-105.	1.0	2
107	Early Drosophila Oogenesis: A Tale of Centriolar Asymmetry. Cells, 2021, 10, 1997.	1.8	2
108	Surface cap formation inDrosophila Melanogasterembryos during nuclear cycles 9 and 10: Sem and antiâ€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 dipteranCeratitis capitata wied. Journal of Morphology, 1987, 193, 305-315.	0.6	1
110	Fâ€actin distribution in the developing nervous system ofDrosophila melanogasterembryo. Bollettino Di Zoologia, 1990, 57, 45-50.	0.3	1
111	Behaviour of yolk nuclei during early embryogenesis inDrosophila melanogaster. 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 Drosophila embryo. Biology of the Cell, 1994, 81, 39-45.	0.7	1
113	Monoclonal antibody raised against murine IL-1 ? peptide cross-reacts with a 60-kDa antigen in early Drosophila melanogaster embryo. Cell and Tissue Research, 1995, 282, 269-275.	1.5	1
114	A segment corresponding to amino acids Gln199-Lys208 of murine IL-1Î± cross-reacts with an antigenic determinant localized in the Z-line of Drosophila melanogaster myofibrils. Biology of the Cell, 1996, 86, 139-140.	0.7	1
115	Effects of diazepam on cellularization and nuclear migration in the earlyDrosophilaembryo. Bollettino Di Zoologia, 1992, 59, 395-399.	0.3	0
116	Surface cap modifications in cold-treatedDrosophila melanogaster embryos. Cell and Tissue Research, 1992, 270, 553-558.	1.5	0
117	parva germina, a gene involved in germ cell maintenance during male and femaleDrosophila gametogenesis. Developmental Dynamics, 2005, 232, 835-844.	0.8	0
118	Sas-4 Colocalizes with the Ciliary Rootlets of the Drosophila Sensory Organs. Journal of Developmental Biology, 2021, 9, 1.	0.9	0
119	Monoclonal antibody raised against murine IL-1 ? peptide cross-reacts with a 60-kDa antigen in early Drosophila melanogaster embryo. Cell and Tissue Research, 1995, 282, 269-275.	1.5	0