

# Maurizio Gatti

## List of Publications by Year in descending order

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116  
papers

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citations

61945

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126  
docs citations

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times ranked

4365  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in twinstar, a Drosophila gene encoding a cofilin/ADF homologue, result in defects in centrosome migration and cytokinesis.. Journal of Cell Biology, 1995, 131, 1243-1259.	2.3	290
2	Functional Elements in Drosophila Melanogaster Heterochromatin. Annual Review of Genetics, 1992, 26, 239-276.	3.2	262
3	Molecular Dissection of Cytokinesis by RNA Interference in Drosophila Cultured Cells. Molecular Biology of the Cell, 2002, 13, 2448-2460.	0.9	226
4	Spindle Self-organization and Cytokinesis During Male Meiosis in asterless Mutants of Drosophila melanogaster. Journal of Cell Biology, 1998, 142, 751-761.	2.3	164
5	Cytological and genetic analysis of the Y chromosome of Drosophila melanogaster. Chromosoma, 1983, 88, 349-373.	1.0	156
6	The Drosophila HOAP protein is required for telomere capping. Nature Cell Biology, 2003, 5, 82-84.	4.6	156
7	The Drosophila Protein Asp Is Involved in Microtubule Organization during Spindle Formation and Cytokinesis. Journal of Cell Biology, 2001, 153, 637-648.	2.3	151
8	Characterization of Drosophila heterochromatin. Chromosoma, 1976, 57, 351-375.	1.0	141
9	Biochemical Membrane Lipidomics during Drosophila Development. Developmental Cell, 2013, 24, 98-111.	3.1	133
10	Drosophila SPD-2 Is an Essential Centriole Component Required for PCM Recruitment and Astral-Microtubule Nucleation. Current Biology, 2008, 18, 303-309.	1.8	124
11	Chapter 21 Looking at Drosophila Mitotic Chromosomes. Methods in Cell Biology, 1994, 44, 371-391.	0.5	108
12	The Drosophila Mre11/Rad50 Complex Is Required to Prevent Both Telomeric Fusion and Chromosome Breakage. Current Biology, 2004, 14, 1360-1366.	1.8	108
13	The Drosophila Cog5 Homologue Is Required for Cytokinesis, Cell Elongation, and Assembly of Specialized Golgi Architecture during Spermatogenesis. Molecular Biology of the Cell, 2003, 14, 190-200.	0.9	107
14	Characterization of Drosophila heterochromatin. Chromosoma, 1976, 57, 377-386.	1.0	105
15	Feo, the Drosophila Homolog of PRC1, Is Required for Central-Spindle Formation and Cytokinesis. Current Biology, 2004, 14, 1569-1575.	1.8	105
16	Spindle assembly in Drosophila neuroblasts and ganglion mother cells. Nature Cell Biology, 2000, 2, 54-56.	4.6	103
17	Drosophila timeless2 Is Required for Chromosome Stability and Circadian Photoreception. Current Biology, 2010, 20, 346-352.	1.8	103
18	The Class I PITP Giotto Is Required for Drosophila Cytokinesis. Current Biology, 2006, 16, 195-201.	1.8	97

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19	DNA copy number evolution in <i>Drosophila</i> cell lines. <i>Genome Biology</i> , 2014, 15, R70.	3.8	96
20	Rab11 Is Required for Membrane Trafficking and Actomyosin Ring Constriction in Meiotic Cytokinesis of <i>Drosophila</i> Males. <i>Molecular Biology of the Cell</i> , 2007, 18, 5034-5047.	0.9	93
21	Genetic Dissection of Meiotic Cytokinesis in <i>Drosophila</i> Males. <i>Molecular Biology of the Cell</i> , 2004, 15, 2509-2522.	0.9	90
22	The mechanism of telomere protection: a comparison between <i>Drosophila</i> and humans. <i>Chromosoma</i> , 2005, 114, 135-145.	1.0	90
23	Chapter 21 Mutations Affecting Cell Division in <i>Drosophila</i> . <i>Methods in Cell Biology</i> , 1991, 35, 543-586.	0.5	89
24	Genetic and Molecular Analysis of wings apart-like ( <i>wapl</i> ), a Gene Controlling Heterochromatin Organization in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2000, 154, 1693-1710.	1.2	83
25	A Role for Very-Long-Chain Fatty Acids in Furrow Ingression during Cytokinesis in <i>Drosophila</i> Spermatocytes. <i>Current Biology</i> , 2008, 18, 1426-1431.	1.8	82
26	Telomere elongation ( <i>Tel</i> ), a New Mutation in <i>Drosophila melanogaster</i> That Produces Long Telomeres. <i>Genetics</i> , 2002, 160, 235-245.	1.2	81
27	The <i>Drosophila</i> Kinesin-like Protein KLP67A Is Essential for Mitotic and Male Meiotic Spindle Assembly. <i>Molecular Biology of the Cell</i> , 2004, 15, 121-131.	0.9	75
28	Identification of <i>Drosophila</i> Mitotic Genes by Combining Co-Expression Analysis and RNA Interference. <i>PLoS Genetics</i> , 2008, 4, e1000126.	1.5	75
29	Transcription of a satellite DNA on two Y chromosome loops of <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 1990, 99, 260-266.	1.0	74
30	<i>Drosophila</i> Citron Kinase Is Required for the Final Steps of Cytokinesis. <i>Molecular Biology of the Cell</i> , 2004, 15, 5053-5063.	0.9	71
31	TRAPP II is required for cleavage furrow ingression and localization of Rab11 in dividing male meiotic cells of <i>Drosophila</i> . <i>Journal of Cell Science</i> , 2009, 122, 4526-4534.	1.2	66
32	Terminin: A protein complex that mediates epigenetic maintenance of <i>Drosophila</i> telomeres. <i>Nucleus</i> , 2011, 2, 383-391.	0.6	65
33	Spindle assembly and cytokinesis in the absence of chromosomes during <i>Drosophila</i> male meiosis. <i>Journal of Cell Biology</i> , 2003, 160, 993-999.	2.3	64
34	Verrocchio, a <i>Drosophila</i> OB fold-containing protein, is a component of the terminin telomere-capping complex. <i>Genes and Development</i> , 2010, 24, 1596-1601.	2.7	61
35	The Putative <i>Drosophila</i> Transcription Factor <i>Woc</i> Is Required to Prevent Telomeric Fusions. <i>Molecular Cell</i> , 2005, 20, 821-831.	4.5	60
36	MUTATIONS IN GENES ENCODING ESSENTIAL MITOTIC FUNCTIONS IN <i>DROSOPHILA MELANOGASTER</i> . <i>Genetics</i> , 1985, 110, 647-670.	1.2	59

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37	The <i>Drosophila modigliani</i> ( <i>moi</i> ) gene encodes a HOAP-interacting protein required for telomere protection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2271-2276.	3.3	58
38	Citron Kinase Deficiency Leads to Chromosomal Instability and TP53-Sensitive Microcephaly. <i>Cell Reports</i> , 2017, 18, 1674-1686.	2.9	56
39	The peculiar genetic organization of <i>Drosophila</i> heterochromatin. <i>Trends in Genetics</i> , 1986, 2, 17-20.	2.9	53
40	Relationships between the central spindle and the contractile ring during cytokinesis in animal cells. , 2000, 49, 202-208.		49
41	<i>Drosophila</i> Dgt6 Interacts with Ndc80, Mps1/XMAP215, and $\beta$ -Tubulin to Promote Kinetochores-Driven MT Formation. <i>Current Biology</i> , 2009, 19, 1839-1845.	1.8	49
42	The <i>Drosophila</i> Nbs Protein Functions in Multiple Pathways for the Maintenance of Genome Stability. <i>Genetics</i> , 2006, 173, 1447-1454.	1.2	47
43	The effect of X-rays on labelling pattern of M1 and M2 chromosomes in Chinese hamster cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1973, 17, 101-112.	0.4	46
44	Advances in Cytokinesis Research. <i>Drosophila</i> Male Meiosis as a Model System for the Study of Cytokinesis in Animal Cells.. <i>Cell Structure and Function</i> , 2001, 26, 609-617.	0.5	44
45	The <i>Drosophila</i> Lkb1 kinase is required for spindle formation and asymmetric neuroblast division. <i>Development (Cambridge)</i> , 2007, 134, 2183-2193.	1.2	43
46	Morgana/chp-1, a ROCK Inhibitor Involved in Centrosome Duplication and Tumorigenesis. <i>Developmental Cell</i> , 2010, 18, 486-495.	3.1	43
47	Unprotected <i>Drosophila melanogaster</i> telomeres activate the spindle assembly checkpoint. <i>Nature Genetics</i> , 2008, 40, 362-366.	9.4	39
48	Roles of the <i>Drosophila</i> NudE protein in kinetochore function and centrosome migration. <i>Journal of Cell Science</i> , 2009, 122, 1747-1758.	1.2	39
49	Sugar and Chromosome Stability: Clastogenic Effects of Sugars in Vitamin B6-Deficient Cells. <i>PLoS Genetics</i> , 2014, 10, e1004199.	1.5	39
50	AKTIP/Ft1, a New Shelterin-Interacting Factor Required for Telomere Maintenance. <i>PLoS Genetics</i> , 2015, 11, e1005167.	1.5	38
51	Loss of Human TGS1 Hypermethylase Promotes Increased Telomerase RNA and Telomere Elongation. <i>Cell Reports</i> , 2020, 30, 1358-1372.e5.	2.9	34
52	Intraspecific polymorphism of sex chromosome heterochromatin in two species of the <i>Anopheles gambiae</i> complex. <i>Chromosoma</i> , 1980, 76, 57-64.	1.0	31
53	Fluorescence banding techniques in the identification of sibling species of the <i>Anopheles gambiae</i> complex. <i>Heredity</i> , 1977, 38, 105-108.	1.2	29
54	The telomeric protein AKTIP interacts with A- and B-type lamins and is involved in regulation of cellular senescence. <i>Open Biology</i> , 2016, 6, 160103.	1.5	29

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55	Cytological dissection of sex chromosome heterochromatin of <i>Drosophila hydei</i> . <i>Chromosoma</i> , 1981, 84, 391-403.	1.0	27
56	A Role for the Twins Protein Phosphatase (PP2A-B55) in the Maintenance of <i>Drosophila</i> Genome Integrity. <i>Genetics</i> , 2017, 205, 1151-1167.	1.2	27
57	The <i>Drosophila</i> RZZ complex: roles in membrane traffic and cytokinesis. <i>Journal of Cell Science</i> , 2012, 125, 4014-25.	1.2	26
58	Australin: a chromosomal passenger protein required specifically for <i>Drosophila melanogaster</i> male meiosis. <i>Journal of Cell Biology</i> , 2008, 180, 521-535.	2.3	25
59	Misato Controls Mitotic Microtubule Generation by Stabilizing the TCP-1 Tubulin Chaperone Complex. <i>Current Biology</i> , 2015, 25, 1777-1783.	1.8	25
60	Organization and Evolution of <i>Drosophila</i> Terminin: Similarities and Differences between <i>Drosophila</i> and Human Telomeres. <i>Frontiers in Oncology</i> , 2013, 3, 112.	1.3	24
61	The Analysis of Mutant Alleles of Different Strength Reveals Multiple Functions of Topoisomerase 2 in Regulation of <i>Drosophila</i> Chromosome Structure. <i>PLoS Genetics</i> , 2014, 10, e1004739.	1.5	24
62	Mice with reduced expression of the telomere-associated protein Ft1 develop p53-sensitive progeroid traits. <i>Aging Cell</i> , 2018, 17, e12730.	3.0	24
63	The frequency and distribution of isolabelling in Chinese hamster chromosomes after exposure to X-rays. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1974, 23, 229-238.	0.4	23
64	Tubby-tagged balancers for the <i>Drosophila</i> X and second chromosomes. <i>Fly</i> , 2011, 5, 369-370.	0.9	23
65	X-ray induction of chromatid interchanges in somatic cells of <i>Drosophila melanogaster</i> : Variations through the cell cycle of the pattern of rejoining. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1976, 35, 101-109.	0.4	22
66	The Hybrid Incompatibility Genes <i>Lhr</i> and <i>Hmr</i> Are Required for Sister Chromatid Detachment During Anaphase but Not for Centromere Function. <i>Genetics</i> , 2017, 207, 1457-1472.	1.2	22
67	The Analysis of Pendolino ( <i>peo</i> ) Mutants Reveals Differences in the Fusigenic Potential among <i>Drosophila</i> Telomeres. <i>PLoS Genetics</i> , 2015, 11, e1005260.	1.5	21
68	Variation with Sex of Irradiation-induced Chromosome Damage in Somatic Cells of <i>Drosophila melanogaster</i> . <i>Nature</i> , 1974, 247, 151-152.	13.7	19
69	The Large Isoform of <i>Drosophila melanogaster</i> Heterochromatin Protein 2 Plays a Critical Role in Gene Silencing and Chromosome Structure. <i>Genetics</i> , 2006, 174, 1189-1204.	1.2	19
70	Phenotypic analysis of <i>misato</i> function reveals roles of noncentrosomal microtubules in <i>Drosophila</i> spindle formation. <i>Journal of Cell Science</i> , 2011, 124, 706-717.	1.2	19
71	Giant meiotic spindles in males from <i>Drosophila</i> species with giant sperm tails. <i>Journal of Cell Science</i> , 2012, 125, 584-588.	1.2	19
72	The <i>Drosophila</i> telomere-capping protein Verrocchio binds single-stranded DNA and protects telomeres from DNA damage response. <i>Nucleic Acids Research</i> , 2017, 45, 3068-3085.	6.5	19

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73	Moonlighting in Mitosis: Analysis of the Mitotic Functions of Transcription and Splicing Factors. <i>Cells</i> , 2020, 9, 1554.	1.8	19
74	Splicing factors Sf3A2 and Prp31 have direct roles in mitotic chromosome segregation. <i>ELife</i> , 2018, 7, .	2.8	19
75	3H-Actinomycin-D binding to mitotic chromosomes of <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 1978, 66, 389-395.	1.0	18
76	Studies on induced aberrations in diplochromosomes of Chinese hamster cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1973, 20, 87-99.	0.4	17
77	The <i>Drosophila</i> orthologue of the INT6 onco-protein regulates mitotic microtubule growth and kinetochore structure. <i>PLoS Genetics</i> , 2017, 13, e1006784.	1.5	17
78	Chemical induction of chromosome aberrations in somatic cells of <i>drosophila melanogaster</i> . <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1975, 33, 201-212.	0.4	16
79	Effects of Hoechst 33258 on human leukocytes in vitro. <i>Cytogenetic and Genome Research</i> , 1976, 17, 114-121.	0.6	16
80	On factors affecting the pattern of rejoining (symmetric or asymmetric) in the formation of chromosomal aberrations. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1973, 20, 101-106.	0.4	14
81	Ultrastructural analysis of mitotic <i>Drosophila</i> S2 cells identifies distinctive microtubule and intracellular membrane behaviors. <i>BMC Biology</i> , 2018, 16, 68.	1.7	14
82	The relative roles of centrosomal and kinetochore-driven microtubules in <i>Drosophila</i> spindle formation. <i>Experimental Cell Research</i> , 2012, 318, 1375-1380.	1.2	13
83	Methanol-Acetone Fixation of <i>Drosophila</i> Testes. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot065763-pdb.prot065763.	0.2	12
84	Effete, a <i>Drosophila</i> Chromatin-Associated Ubiquitin-Conjugating Enzyme That Affects Telomeric and Heterochromatic Position Effect Variegation. <i>Genetics</i> , 2013, 195, 147-158.	1.2	12
85	A simple and effective method for ultrastructural analysis of mitosis in <i>Drosophila</i> S2 cells. <i>MethodsX</i> , 2016, 3, 551-559.	0.7	11
86	The role of HeT-A and TART retrotransposons in <i>Drosophila</i> telomere capping. <i>Genetica</i> , 2003, 117, 311-318.	0.5	10
87	A Signature Inferred from <i>Drosophila</i> Mitotic Genes Predicts Survival of Breast Cancer Patients. <i>PLoS ONE</i> , 2011, 6, e14737.	1.1	9
88	Immunostaining of Mitotic Chromosomes from <i>Drosophila</i> Larval Brain. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot065524-pdb.prot065524.	0.2	9
89	Paraformaldehyde Fixation of <i>Drosophila</i> Testes. <i>Cold Spring Harbor Protocols</i> , 2012, 2012, pdb.prot067330-pdb.prot067330.	0.2	9
90	Preparation and Orcein Staining of Mitotic Chromosomes from <i>Drosophila</i> Larval Brain. <i>Cold Spring Harbor Protocols</i> , 2010, 2010, pdb.prot5389-pdb.prot5389.	0.2	8

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91	Formaldehyde Fixation of <i>Drosophila</i> Testes. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot067355.	0.2	8
92	RNAi-mediated depletion of the NSL complex subunits leads to abnormal chromosome segregation and defective centrosome duplication in <i>Drosophila</i> mitosis. PLoS Genetics, 2019, 15, e1008371.	1.5	8
93	Phenotypic characterization of diamond ( <i>dind</i> ), a <i>Drosophila</i> gene required for multiple aspects of cell division. Chromosoma, 2018, 127, 489-504.	1.0	7
94	Absence of SCAPER causes male infertility in humans and <i>Drosophila</i> by modulating microtubule dynamics during meiosis. Journal of Medical Genetics, 2021, 58, 254-263.	1.5	7
95	Fluorescent In Situ Hybridization (FISH) of Mitotic Chromosomes from <i>Drosophila</i> Larval Brain. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5391.	0.2	6
96	Immunostaining of <i>Drosophila</i> Testes. Cold Spring Harbor Protocols, 2011, 2011, pdb.prot065771.	0.2	6
97	The role of Patronin in <i>Drosophila</i> mitosis. BMC Molecular and Cell Biology, 2019, 20, 7.	1.0	6
98	<i>Drosophila</i> Male Meiosis. Methods in Molecular Biology, 2017, 1471, 277-288.	0.4	5
99	« Spontaneous » Endoreduplication in <i>Chinese Hamster</i> Cell Cultures. I. Effect of Growth Conditions. Caryologia, 1976, 29, 155-175.	0.2	4
100	Chromatin Staining of <i>Drosophila</i> Testes. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot067363.	0.2	4
101	F-Actin Staining of <i>Drosophila</i> Testes. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot067348-pdb.prot067348.	0.2	4
102	« Spontaneous » Endoreduplication in <i>Chinese Hamster</i> Cell Cultures. II. Analysis of the Mitotic Cell Cycle. Caryologia, 1976, 29, 177-186.	0.2	3
103	Chromosome Banding of Mitotic Chromosomes from <i>Drosophila</i> Larval Brain: Figure 1.. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5390.	0.2	3
104	Preparation of Live Testis Squashes in <i>Drosophila</i> . Cold Spring Harbor Protocols, 2011, 2011, prot5577.	0.2	3
105	<i>Drosophila</i> Morgana is an Hsp90-interacting protein with a direct role in microtubule polymerization. Journal of Cell Science, 2020, 133, .	1.2	3
106	Intimate functional interactions between <i>TGS1</i> and the <i>Smn</i> complex revealed by an analysis of the <i>Drosophila</i> eye development. PLoS Genetics, 2020, 16, e1008815.	1.5	3
107	Preparation of Meiotic Chromosomes from Larval and Pupal <i>Drosophila</i> Testes. Cold Spring Harbor Protocols, 2011, 2011, prot5579.	0.2	2
108	Chromosome segregation and aneuploidy: introducing a new series in Trends in Cell Biology. Trends in Cell Biology, 2005, 15, 229-230.	3.6	1

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109	Preparation of Meiotic Chromosomes from Adult <i>Drosophila</i> Testes. Cold Spring Harbor Protocols, 2011, 2011, prot5578.	0.2	1
110	Telomere fusion in <i>Drosophila</i> : The role of subtelomeric chromatin. Fly, 2015, 9, 121-125.	0.9	1
111	Accurate measurement of poleward microtubule flux in the spindle of <i>Drosophila</i> S2 cells. Cell Biology International, 2016, 40, 984-990.	1.4	1
112	Phenotypic analysis of <i>misato</i> function reveals roles of noncentrosomal microtubules in <i>Drosophila</i> spindle formation. Development (Cambridge), 2011, 138, e1-e1.	1.2	0
113	Giant meiotic spindles in males from <i>Drosophila</i> species with giant sperm tails. Development (Cambridge), 2012, 139, e807-e807.	1.2	0
114	Telomeres and Cell Division in <i>Drosophila melanogaster</i> . , 1997, , 1-12.		0
115	Non3 is an essential <i>Drosophila</i> gene required for proper nucleolus assembly. Vavilovskii Zhurnal Genetiki I Seleksii, 2019, 23, 190-198.	0.4	0
116	TEM Imaging of Membrane Choreography During Mitosis of <i>Drosophila</i> Tissue Culture Cells. Methods in Molecular Biology, 2022, 2502, 407-415.	0.4	0