

Yukiko M Yamashita

List of Publications by Year in descending order

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99
papers

6,066
citations

87888

38
h-index

76900

74
g-index

210
all docs

210
docs citations

210
times ranked

6085
citing authors

#	ARTICLE	IF	CITATIONS
1	Orientation of Asymmetric Stem Cell Division by the APC Tumor Suppressor and Centrosome. <i>Science</i> , 2003, 301, 1547-1550.	12.6	684
2	Asymmetric Inheritance of Mother Versus Daughter Centrosome in Stem Cell Division. <i>Science</i> , 2007, 315, 518-521.	12.6	498
3	Centrosome misorientation reduces stem cell division during ageing. <i>Nature</i> , 2008, 456, 599-604.	27.8	315
4	Candidate exome capture identifies mutation of SDCCAG8 as the cause of a retinal-renal ciliopathy. <i>Nature Genetics</i> , 2010, 42, 840-850.	21.4	295
5	Dual Roles for DNA Polymerase δ in Homologous DNA Recombination and Translesion DNA Synthesis. <i>Molecular Cell</i> , 2005, 20, 793-799.	9.7	230
6	Signaling in stem cell niches: lessons from the <i>Drosophila</i> germline. <i>Journal of Cell Science</i> , 2005, 118, 665-672.	2.0	191
7	Nanotubes mediate niche stem-cell signalling in the <i>Drosophila</i> testis. <i>Nature</i> , 2015, 523, 329-332.	27.8	179
8	A Misexpression Screen Reveals Effects of bag-of-marbles and TGF β Class Signaling on the <i>Drosophila</i> Male Germ-Line Stem Cell Lineage. <i>Genetics</i> , 2004, 167, 707-723.	2.9	164
9	20S cyclosome complex formation and proteolytic activity inhibited by the cAMP/PKA pathway. <i>Nature</i> , 1996, 384, 276-279.	27.8	156
10	Homologous DNA recombination in vertebrate cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 8388-8394.	7.1	143
11	Anti-tumour compounds illudin S and Irofulven induce DNA lesions ignored by global repair and exclusively processed by transcription- and replication-coupled repair pathways. <i>DNA Repair</i> , 2002, 1, 1027-1038.	2.8	137
12	Asymmetric Stem Cell Division: Precision for Robustness. <i>Cell Stem Cell</i> , 2012, 11, 461-469.	11.1	132
13	Emerging mechanisms of asymmetric stem cell division. <i>Journal of Cell Biology</i> , 2018, 217, 3785-3795.	5.2	131
14	Chromosome-specific nonrandom sister chromatid segregation during stem-cell division. <i>Nature</i> , 2013, 498, 251-254.	27.8	124
15	E-Cadherin Is Required for Centrosome and Spindle Orientation in <i>Drosophila</i> Male Germline Stem Cells. <i>PLoS ONE</i> , 2010, 5, e12473.	2.5	122
16	RAD18 and RAD54 cooperatively contribute to maintenance of genomic stability in vertebrate cells. <i>EMBO Journal</i> , 2002, 21, 5558-5566.	7.8	120
17	Asymmetric centrosome behavior and the mechanisms of stem cell division. <i>Journal of Cell Biology</i> , 2008, 180, 261-266.	5.2	119
18	Functional relationships of FANCC to homologous recombination, translesion synthesis, and BLM. <i>EMBO Journal</i> , 2005, 24, 418-427.	7.8	117

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19	Polarity in Stem Cell Division: Asymmetric Stem Cell Division in Tissue Homeostasis. Cold Spring Harbor Perspectives in Biology, 2010, 2, a001313-a001313.	5.5	104
20	Centrosome-dependent asymmetric inheritance of the midbody ring in <i>Drosophila</i> germline stem cell division. Molecular Biology of the Cell, 2014, 25, 267-275.	2.1	99
21	A conserved function for pericentromeric satellite DNA. ELife, 2018, 7, .	6.0	96
22	Asymmetric division of cyst stem cells in <i>Drosophila</i> testis is ensured by anaphase spindle repositioning. Development (Cambridge), 2011, 138, 831-837.	2.5	91
23	Involvement of Vertebrate PolI ^ε in Rad18-independent Postreplication Repair of UV Damage. Journal of Biological Chemistry, 2002, 277, 48690-48695.	3.4	87
24	Piwi Is Required in Multiple Cell Types to Control Germline Stem Cell Lineage Development in the <i>Drosophila</i> Ovary. PLoS ONE, 2014, 9, e90267.	2.5	76
25	A mitochondrial DNA hypomorph of cytochrome oxidase specifically impairs male fertility in <i>Drosophila melanogaster</i> . ELife, 2016, 5, .	6.0	74
26	Comparative Analysis of Satellite DNA in the <i>Drosophila melanogaster</i> Species Complex. G3: Genes, Genomes, Genetics, 2017, 7, 693-704.	1.8	70
27	Specialized Intercellular Communications via Cytosomes and Nanotubes. Annual Review of Cell and Developmental Biology, 2018, 34, 59-84.	9.4	70
28	Centrosome asymmetry and inheritance during animal development. Current Opinion in Cell Biology, 2012, 24, 541-546.	5.4	68
29	Signaling by Cellular Protrusions: Keeping the Conversation Private. Trends in Cell Biology, 2016, 26, 526-534.	7.9	59
30	Mechanisms of rDNA Copy Number Maintenance. Trends in Genetics, 2019, 35, 734-742.	6.7	59
31	Stay Connected: A Germ Cell Strategy. Trends in Genetics, 2017, 33, 971-978.	6.7	56
32	Transgenerational dynamics of rDNA copy number in <i>Drosophila</i> male germline stem cells. ELife, 2018, 7, .	6.0	56
33	The polarity protein Baz forms a platform for the centrosome orientation during asymmetric stem cell division in the <i>Drosophila</i> male germline. ELife, 2015, 4, .	6.0	49
34	<i>Drosophila</i> male germline stem cells do not asymmetrically segregate chromosome strands. Journal of Cell Science, 2011, 124, 933-939.	2.0	47
35	Regulation of cyclin A localization downstream of Par-1 function is critical for the centrosome orientation checkpoint in <i>Drosophila</i> male germline stem cells. Developmental Biology, 2012, 361, 57-67.	2.0	47
36	The ins(ide) and outs(ide) of asymmetric stem cell division. Current Opinion in Cell Biology, 2016, 43, 1-6.	5.4	47

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37	String (Cdc25) regulates stem cell maintenance, proliferation and aging in <i>Drosophila</i> testis. <i>Development (Cambridge)</i> , 2011, 138, 5079-5086.	2.5	45
38	Fly meets yeast: checking the correct orientation of cell division. <i>Trends in Cell Biology</i> , 2011, 21, 526-533.	7.9	44
39	The modular mechanism of chromocenter formation in <i>Drosophila</i> . <i>ELife</i> , 2019, 8, .	6.0	44
40	The regulated elimination of transit-amplifying cells preserves tissue homeostasis during protein starvation in <i>Drosophila</i> testis. <i>Development (Cambridge)</i> , 2015, 142, 1756-1766.	2.5	43
41	Subcellular Specialization and Organelle Behavior in Germ Cells. <i>Genetics</i> , 2018, 208, 19-51.	2.9	43
42	Satellite DNA-containing gigantic introns in a unique gene expression program during <i>Drosophila</i> spermatogenesis. <i>PLoS Genetics</i> , 2019, 15, e1008028.	3.5	43
43	Asymmetric Stem Cell Division and Function of the Niche in the <i>Drosophila</i> Male Germ Line. <i>International Journal of Hematology</i> , 2005, 82, 377-380.	1.6	42
44	The actin-binding protein profilin is required for germline stem cell maintenance and germ cell enclosure by somatic cyst cells. <i>Development (Cambridge)</i> , 2014, 141, 73-82.	2.5	42
45	Fission yeast APC/cyclosome subunits, Cut20/Apc4 and Cut23/Apc8, in regulating metaphase-anaphase progression and cellular stress responses. <i>Genes To Cells</i> , 1999, 4, 445-463.	1.2	37
46	Cell adhesion in regulation of asymmetric stem cell division. <i>Current Opinion in Cell Biology</i> , 2010, 22, 605-610.	5.4	35
47	Germ cell connectivity enhances cell death in response to DNA damage in the <i>Drosophila</i> testis. <i>ELife</i> , 2017, 6, .	6.0	33
48	Lineage Tracing Quantification Reveals Symmetric Stem Cell Division in <i>Drosophila</i> Male Germline Stem Cells. <i>Cellular and Molecular Bioengineering</i> , 2013, 6, 441-448.	2.1	32
49	mRNA localization mediates maturation of cytoplasmic cilia in <i>Drosophila</i> spermatogenesis. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	30
50	Centrosome misorientation mediates slowing of the cell cycle under limited nutrient conditions in <i>Drosophila</i> male germline stem cells. <i>Molecular Biology of the Cell</i> , 2012, 23, 1524-1532.	2.1	29
51	The centrosome and asymmetric cell division. <i>Prion</i> , 2009, 3, 84-88.	1.8	28
52	The centrosome orientation checkpoint is germline stem cell specific and operates prior to the spindle assembly checkpoint in <i>Drosophila</i> testis. <i>Development (Cambridge)</i> , 2015, 142, 62-69.	2.5	27
53	Klp10A, a stem cell centrosome-enriched kinesin, balances asymmetries in <i>Drosophila</i> male germline stem cell division. <i>ELife</i> , 2016, 5, .	6.0	26
54	Defective Satellite DNA Clustering into Chromocenters Underlies Hybrid Incompatibility in <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 4977-4986.	8.9	24

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55	Germline stem cells: stems of the next generation. <i>Current Opinion in Cell Biology</i> , 2010, 22, 730-736.	5.4	22
56	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.	2.9	22
57	Regulation of asymmetric stem cell division: spindle orientation and the centrosome. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 3003.	3.0	21
58	Centrosome-centric view of asymmetric stem cell division. <i>Open Biology</i> , 2021, 11, 200314.	3.6	18
59	Regulation of Nucleolar Dominance in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2020, 214, 991-1004.	2.9	16
60	spict, a cyst cell-specific gene, regulates starvation-induced spermatogonial cell death in the <i>Drosophila</i> testis. <i>Scientific Reports</i> , 2017, 7, 40245.	3.3	14
61	Function of Junk: Pericentromeric Satellite DNA in Chromosome Maintenance. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2017, 82, 319-327.	1.1	14
62	Cytokine receptor-Eb1 interaction couples cell polarity and fate during asymmetric cell division. <i>ELife</i> , 2018, 7, .	6.0	14
63	DNA asymmetry in stem cells – immortal or mortal?. <i>Journal of Cell Science</i> , 2013, 126, 4069-76.	2.0	12
64	Asymmetric stem cell division and pathology: insights from <i>Drosophila</i> stem cell systems. <i>Journal of Pathology</i> , 2009, 217, 181-185.	4.5	11
65	Keeping stem cells under control: New insights into the mechanisms that limit niche stem cell signaling within the reproductive system. <i>Molecular Reproduction and Development</i> , 2016, 83, 675-683.	2.0	11
66	Merlin is required for coordinating proliferation of two stem cell lineages in the <i>Drosophila</i> testis. <i>Scientific Reports</i> , 2017, 7, 2502.	3.3	11
67	Nonrandom sister chromatid segregation of sex chromosomes in <i>Drosophila</i> male germline stem cells. <i>Chromosome Research</i> , 2013, 21, 243-254.	2.2	10
68	<i>me31B</i> regulates stem cell homeostasis by preventing excess dedifferentiation in the <i>Drosophila</i> male germline. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	10
69	Germline stem cell homeostasis. <i>Current Topics in Developmental Biology</i> , 2019, 135, 203-244.	2.2	9
70	Alstrom syndrome gene is a stem-cell-specific regulator of centriole duplication in the <i>Drosophila</i> testis. <i>ELife</i> , 2020, 9, .	6.0	9
71	Stem Cells and Aging: What's Next?. <i>Cell Stem Cell</i> , 2015, 16, 578-581.	11.1	7
72	Spindle positioning in the stem cell niche. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2012, 1, 215-230.	5.9	6

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73	The regulation and potential functions of intronic satellite DNA. <i>Seminars in Cell and Developmental Biology</i> , 2022, 128, 69-77.	5.0	6
74	Selfish Stem Cells Compete with Each Other. <i>Cell Stem Cell</i> , 2008, 2, 3-4.	11.1	5
75	A New Member of the Spindle Orientation Club: Mammalian Intestinal Stem Cells. <i>Cell Stem Cell</i> , 2010, 6, 91-92.	11.1	5
76	Reply to: Overlooked areas need attention for sound evaluation of DNA strand inheritance patterns in <i>Drosophila</i> male germline stem cells. <i>Journal of Cell Science</i> , 2011, 124, 4138-4139.	2.0	4
77	Biased DNA segregation in <i>Drosophila</i> male germline stem cells. <i>Seminars in Cell and Developmental Biology</i> , 2013, 24, 618-626.	5.0	4
78	Stem cells and their niche in homeostasis/regeneration and disease. <i>Molecular Biology of the Cell</i> , 2014, 25, 736-736.	2.1	4
79	A kinesin Klp10A mediates cell cycle-dependent shuttling of Piwi between nucleus and nuage. <i>PLoS Genetics</i> , 2020, 16, e1008648.	3.5	4
80	Evaluation of the Asymmetric Division of <i>Drosophila</i> Male Germline Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1463, 49-62.	0.9	3
81	Stem cell niche signaling goes both ways. <i>Developmental Cell</i> , 2021, 56, 2267-2268.	7.0	3
82	A Tale of Mother and Daughter. <i>Molecular Biology of the Cell</i> , 2010, 21, 7-8.	2.1	2
83	Nonrandom template segregation: A way to break the symmetry of stem cells. <i>Journal of Cell Biology</i> , 2013, 203, 7-9.	5.2	2
84	Cell biology of stem cells: studying stem cells at the level of cell biology and studying cell biology using stem cells. <i>Molecular Biology of the Cell</i> , 2018, 29, 2912-2912.	2.1	2
85	Molding immortality from a plastic germline. <i>Current Opinion in Cell Biology</i> , 2021, 73, 1-8.	5.4	2
86	Asymmetric Centrosome Behavior in Stem Cell Divisions. , 2012, , 99-110.		2
87	Improved Hierarchical Parameter Optimization Technique - Application for a cardiac myocyte model. , 2006, 2006, 3487-90.		0
88	Evolution Repeats Itself in Building a Species Barrier. <i>Developmental Cell</i> , 2018, 47, 527-528.	7.0	0
89	When the Family Treasure Is a Doormat. <i>Developmental Cell</i> , 2020, 52, 3-4.	7.0	0
90	Regulation of Stem Cell Self-renewal Versus Differentiation by a Support Cell Niche: Lessons from the <i>Drosophila</i> Male Germ Line. , 2004, , 171-178.		0

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91	Stem Cells and Stem Cell Niches in Tissue Homeostasis: Lessons from the Expanding Stem Cell Populations of <i>Drosophila</i> . , 2009, , 147-154.		0
92	Asymmetric division of cyst stem cells in <i>Drosophila</i> testis is ensured by anaphase spindle repositioning. <i>Journal of Cell Science</i> , 2011, 124, e1-e1.	2.0	0
93	Cellular fingers take hold. <i>ELife</i> , 2016, 5, .	6.0	0
94	Improved Hierarchical Parameter Optimization Technique - Application for a cardiac myocyte model. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
95	A kinesin Klp10A mediates cell cycle-dependent shuttling of Piwi between nucleus and nuage. , 2020, 16, e1008648.		0
96	A kinesin Klp10A mediates cell cycle-dependent shuttling of Piwi between nucleus and nuage. , 2020, 16, e1008648.		0
97	A kinesin Klp10A mediates cell cycle-dependent shuttling of Piwi between nucleus and nuage. , 2020, 16, e1008648.		0
98	A kinesin Klp10A mediates cell cycle-dependent shuttling of Piwi between nucleus and nuage. , 2020, 16, e1008648.		0
99	Satellite DNA. <i>Seminars in Cell and Developmental Biology</i> , 2022, , .	5.0	0