

Daniela Cimini

List of Publications by Year in descending order

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63
papers

6,468
citations

81839

39
h-index

114418

63
g-index

65
all docs

65
docs citations

65
times ranked

5278
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-Genome Duplication Shapes the Aneuploidy Landscape of Human Cancers. <i>Cancer Research</i> , 2022, 82, 1736-1752.	0.4	25
2	Spindle Architectural Features Must Be Considered Along With Cell Size to Explain the Timing of Mitotic Checkpoint Silencing. <i>Frontiers in Physiology</i> , 2020, 11, 596263.	1.3	6
3	Asymmetric clustering of centrosomes defines the early evolution of tetraploid cells. <i>ELife</i> , 2020, 9, .	2.8	27
4	Single-Cell Analysis Reveals that Chronic Silver Nanoparticle Exposure Induces Cell Division Defects in Human Epithelial Cells. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2061.	1.2	6
5	Aneuploidy and gene expression: is there dosage compensation?. <i>Epigenomics</i> , 2019, 11, 1827-1837.	1.0	29
6	Environmental stresses induce karyotypic instability in colorectal cancer cells. <i>Molecular Biology of the Cell</i> , 2019, 30, 42-55.	0.9	22
7	Chromosomes missegregated into micronuclei contribute to chromosomal instability by missegregating at the next division. <i>Oncotarget</i> , 2019, 10, 2660-2674.	0.8	36
8	A guide to classifying mitotic stages and mitotic defects in fixed cells. <i>Chromosoma</i> , 2018, 127, 215-227.	1.0	29
9	Near-tetraploid cancer cells show chromosome instability triggered by replication stress and exhibit enhanced invasiveness. <i>FASEB Journal</i> , 2018, 32, 3502-3517.	0.2	50
10	Fluid shear stress impacts ovarian cancer cell viability, subcellular organization, and promotes genomic instability. <i>PLoS ONE</i> , 2018, 13, e0194170.	1.1	57
11	Chromosome Segregation: The Bigger They Come, the Harder They Fall. <i>Current Biology</i> , 2018, 28, R665-R667.	1.8	1
12	Transient ALT activation protects human primary cells from chromosome instability induced by low chronic oxidative stress. <i>Scientific Reports</i> , 2017, 7, 43309.	1.6	22
13	Selective advantage of trisomic human cells cultured in non-standard conditions. <i>Scientific Reports</i> , 2016, 6, 22828.	1.6	90
14	Using Photoactivatable GFP to Study Microtubule Dynamics and Chromosome Segregation. <i>Methods in Molecular Biology</i> , 2016, 1413, 15-31.	0.4	2
15	Laser microsurgery reveals conserved viscoelastic behavior of the kinetochore. <i>Journal of Cell Biology</i> , 2016, 212, 767-776.	2.3	25
16	Consequences of aneuploidy in sickness and in health. <i>Current Opinion in Cell Biology</i> , 2016, 40, 41-46.	2.6	26
17	The centrosome: a multifaceted cellular weapon against chromosome instability. <i>Chromosome Research</i> , 2016, 24, 1-4.	1.0	1
18	Overlap microtubules link sister k-fibres and balance the forces on bi-oriented kinetochores. <i>Nature Communications</i> , 2016, 7, 10298.	5.8	127

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19	Chromosome Bridges Maintain Kinetochore-Microtubule Attachment throughout Mitosis and Rarely Break during Anaphase. PLoS ONE, 2016, 11, e0147420.	1.1	45
20	Link between Aneuploidy and Chromosome Instability. International Review of Cell and Molecular Biology, 2015, 315, 299-317.	1.6	29
21	Aurora A Kinase Contributes to a Pole-Based Error Correction Pathway. Current Biology, 2015, 25, 1842-1851.	1.8	107
22	Genomic instability: Crossing pathways at the origin of structural and numerical chromosome changes. Environmental and Molecular Mutagenesis, 2015, 56, 563-580.	0.9	29
23	Characterization of Conventional One-Step Sodium Thiosulfate Facilitated Gold Nanoparticle Synthesis. Nanoscale Research Letters, 2015, 10, 940.	3.1	8
24	Chromosome mis-segregation and cytokinesis failure in trisomic human cells. ELife, 2015, 4, .	2.8	87
25	The mitotic origin of chromosomal instability. Current Biology, 2014, 24, R148-R149.	1.8	110
26	Modelling chromosome dynamics in mitosis: a historical perspective on models of metaphase and anaphase in eukaryotic cells. Interface Focus, 2014, 4, 20130073.	1.5	23
27	Cancer Karyotypes: Survival of the Fittest. Frontiers in Oncology, 2013, 3, 148.	1.3	55
28	MISP: The missing link between extracellular matrix and astral microtubules. Cell Cycle, 2013, 12, 1821-1821.	1.3	3
29	Cyclophilin 20-3 relays a 12-oxo-phytodienoic acid signal during stress responsive regulation of cellular redox homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9559-9564.	3.3	193
30	Dynamic bonds and polar ejection force distribution explain kinetochore oscillations in PtK1 cells. Journal of Cell Biology, 2013, 201, 577-593.	2.3	46
31	Doubling the deck. Cell Cycle, 2012, 11, 3355-3355.	1.3	10
32	The coupling between sister kinetochore directional instability and oscillations in centromere stretch in metaphase PtK1 cells. Molecular Biology of the Cell, 2012, 23, 1035-1046.	0.9	58
33	Timing of centrosome separation is important for accurate chromosome segregation. Molecular Biology of the Cell, 2012, 23, 401-411.	0.9	139
34	Transient defects of mitotic spindle geometry and chromosome segregation errors. Cell Division, 2012, 7, 19.	1.1	50
35	Tetraploid cells from cytokinesis failure induce aneuploidy and spontaneous transformation of mouse ovarian surface epithelial cells. Cell Cycle, 2012, 11, 2864-2875.	1.3	85
36	Changes in Gene Expression and Cellular Architecture in an Ovarian Cancer Progression Model. PLoS ONE, 2011, 6, e17676.	1.1	81

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37	Merotelic kinetochore attachment: causes and effects. <i>Trends in Cell Biology</i> , 2011, 21, 374-381.	3.6	215
38	How Mitotic Errors Contribute to Karyotypic Diversity in Cancer. <i>Advances in Cancer Research</i> , 2011, 112, 43-75.	1.9	46
39	Multipolar Spindle Pole Coalescence Is a Major Source of Kinetochore Mis-Attachment and Chromosome Mis-Segregation in Cancer Cells. <i>PLoS ONE</i> , 2009, 4, e6564.	1.1	374
40	Computer simulations predict that chromosome movements and rotations accelerate mitotic spindle assembly without compromising accuracy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15708-15713.	3.3	97
41	Merotelic kinetochore orientation, aneuploidy, and cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2008, 1786, 32-40.	3.3	137
42	Detection and Correction of Merotelic Kinetochore Orientation by Aurora B and its Partners. <i>Cell Cycle</i> , 2007, 6, 1558-1564.	1.3	62
43	Chromosomes Can Congress to the Metaphase Plate Before Biorientation. <i>Science</i> , 2006, 311, 388-391.	6.0	405
44	Kinetochore Microtubule Dynamics and Attachment Stability Are Regulated by Hec1. <i>Cell</i> , 2006, 127, 969-982.	13.5	663
45	Aurora Kinase Promotes Turnover of Kinetochore Microtubules to Reduce Chromosome Segregation Errors. <i>Current Biology</i> , 2006, 16, 1711-1718.	1.8	358
46	Kinesin 5-independent poleward flux of kinetochore microtubules in PtK1 cells. <i>Journal of Cell Biology</i> , 2006, 173, 173-179.	2.3	104
47	The Mad1/Mad2 Complex as a Template for Mad2 Activation in the Spindle Assembly Checkpoint. <i>Current Biology</i> , 2005, 15, 214-225.	1.8	376
48	Merotelic kinetochores in mammalian tissue cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 553-568.	1.8	104
49	Aneuploidy: a matter of bad connections. <i>Trends in Cell Biology</i> , 2005, 15, 442-451.	3.6	109
50	Anaphase Spindle Mechanics Prevent Mis-Segregation of Merotelically Oriented Chromosomes. <i>Current Biology</i> , 2004, 14, 2149-2155.	1.8	171
51	Histone Hyperacetylation in Mitosis Prevents Sister Chromatid Separation and Produces Chromosome Segregation Defects. <i>Molecular Biology of the Cell</i> , 2003, 14, 3821-3833.	0.9	165
52	Merotelic kinetochore orientation occurs frequently during early mitosis in mammalian tissue cells and error correction is achieved by two different mechanisms. <i>Journal of Cell Science</i> , 2003, 116, 4213-4225.	1.2	232
53	Merotelic kinetochore orientation versus chromosome mono-orientation in the origin of lagging chromosomes in human primary cells. <i>Journal of Cell Science</i> , 2002, 115, 507-515.	1.2	134
54	Merotelic kinetochore orientation versus chromosome mono-orientation in the origin of lagging chromosomes in human primary cells. <i>Journal of Cell Science</i> , 2002, 115, 507-15.	1.2	113

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55	Merotelic Kinetochore Orientation Is a Major Mechanism of Aneuploidy in Mitotic Mammalian Tissue Cells. <i>Journal of Cell Biology</i> , 2001, 153, 517-528.	2.3	498
56	Differences in malsegregation rates obtained by scoring ana-telophases or binucleate cells. <i>Mutagenesis</i> , 1999, 14, 563-568.	1.0	63
57	Analysis of chromosome loss and non-disjunction in cytokinesis-blocked lymphocytes of 24 male subjects. <i>Mutagenesis</i> , 1999, 14, 491-496.	1.0	41
58	Development of Animal Models for Adeno-Associated Virus Site-Specific Integration. <i>Journal of Virology</i> , 1999, 73, 2517-2526.	1.5	46
59	Targeted Integration of Adeno-Associated Virus-Derived Plasmids in Transfected Human Cells. <i>Virology</i> , 1998, 249, 249-259.	1.1	58
60	Simultaneous inhibition of contractile ring and central spindle formation in mammalian cells treated with cytochalasin B. <i>Chromosoma</i> , 1998, 107, 479-485.	1.0	33
61	Topoisomerase II inhibition in mitosis produces numerical and structural chromosomal aberrations in human fibroblasts. <i>Cytogenetic and Genome Research</i> , 1997, 76, 61-67.	0.6	34
62	The detection and evaluation of aneugenic chemicals. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1996, 353, 11-46.	0.4	74
63	Effects of 5-azacytidine on the centromeric region of human fibroblasts studied by CREST staining and in situ hybridization on cytokinesis-blocked cells. <i>Cytogenetic and Genome Research</i> , 1996, 72, 219-224.	0.6	15