Jekaterina Erenpreisa

List of Publications by Year
in descending order

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57 papers	6,881 citations	201385 27 h-index	182168 51 g-index
63 all docs	63 docs citations	63 times ranked	14799 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Three steps to the immortality of cancer cells: senescence, polyploidy and self-renewal. Cancer Cell International, 2013, 13, 92.	1.8	131
3	Mitotic death: a mechanism of survival? A review. , 2001, 1, 1.		114
4	Activation of Meiosis-Specific Genes Is Associated with Depolyploidization of Human Tumor Cells following Radiation-Induced Mitotic Catastrophe. Cancer Research, 2009, 69, 2296-2304.	0.4	107
5	Up-regulation of the embryonic self-renewal network through reversible polyploidy in irradiated p53-mutant tumour cells. Experimental Cell Research, 2010, 316, 2099-2112.	1.2	106
6	Segregation of genomes in polyploid tumour cells following mitotic catastrophe. Cell Biology International, 2005, 29, 1005-1011.	1.4	98
7	Endopolyploid cells produced after severe genotoxic damage have the potential to repair DNA double strand breaks. Journal of Cell Science, 2003, 116, 4095-4106.	1.2	94
8	Cancer/testis antigens and gametogenesis: a review and "brain-storming" session. Cancer Cell International, 2005, 5, 4.	1.8	92
9	Mitotic catastrophe and endomitosis in tumour cells: An evolutionary key to a molecular solution. Cell Biology International, 2005, 29, 1012-1018.	1.4	89
10	Upregulation of meiosis-specific genes in lymphoma cell lines following genotoxic insult and induction of mitotic catastrophe. BMC Cancer, 2006, 6, 6.	1.1	84
11	Cancer: A matter of life cycle?. Cell Biology International, 2007, 31, 1507-1510.	1.4	82
12	Polyploid tumour cells elicit paradiploid progeny through depolyploidizing divisions and regulated autophagic degradation. Cell Biology International, 2011, 35, 687-695.	1.4	81
13	Toluidine blue test for sperm DNA integrity and elaboration of image cytometry algorithm. Cytometry, 2003, 52A, 19-27.	1.8	74
14	Effect of leukocytospermia on sperm DNA integrity: a negative effect in abnormal semen samples. Journal of Andrology, 2002, 23, 717-23.	2.0	71
15	Endopolyploidy in irradiated p53â€deficient tumour cell lines: Persistence of cell division activity in giant cells expressing Auroraâ€B kinase. Cell Biology International, 2008, 32, 1044-1056.	1.4	69
16	The â€œvirgin birthâ€, polyploidy, and the origin of cancer. Oncoscience, 2014, 2, 3-14.	0.9	64
17	The role of meiotic cohesin REC8 in chromosome segregation in Î³ irradiation-induced endopolyploid tumour cells. Experimental Cell Research, 2009, 315, 2593-2603.	1.2	60
18	Emergent Self-Organized Criticality in Gene Expression Dynamics: Temporal Development of Global Phase Transition Revealed in a Cancer Cell Line. PLoS ONE, 2015, 10, e0128565.	1.1	46

#	Article	IF	Citations
19	Paradoxes of cancer: Survival at the brink. Seminars in Cancer Biology, 2022, 81, 119-131.	4.3	42
20	The Cancer Aneuploidy Paradox: In the Light of Evolution. Genes, 2019, 10, 83.	1.0	41
21	Somatic polyploidy is associated with the upregulation of c-MYC interacting genes and EMT-like signature. Oncotarget, 2016, 7, 75235-75260.	0.8	39
22	Self-Organizing Global Gene Expression Regulated through Criticality: Mechanism of the Cell-Fate Change. PLoS ONE, 2016, 11, e0167912.	1.1	38
23	DNA damage causes TP53-dependent coupling of self-renewal and senescence pathways in embryonal carcinoma cells. Cell Cycle, 2013, 12, 430-441.	1.3	37
24	â€œMitotic Slippageâ€•and Extranuclear DNA in Cancer Chemoresistance: A Focus on Telomeres. International Journal of Molecular Sciences, 2020, 21, 2779.	1.8	36
25	Aberrant death in dark chondrocytes of the avian growth plate. Cell Death and Differentiation, 1998, 5, 60-66.	5.0	35
26	Macroautophagy-aided elimination of chromatin. Autophagy, 2012, 8, 1877-1881.	4.3	34
27	Nuclear envelope-limited chromatin sheets are part of mitotic death. Histochemistry and Cell Biology, 2002, 117, 243-255.	0.8	31
28	Epigenetic selection as a possible component of transdifferentiation. Further study of the commitment of hypertrophic chondrocytes to become osteocytes. Mechanisms of Ageing and Development, 1996, 87, 165-182.	2.2	29
29	Role of stress-activated OCT4A in the cell fate decisions of embryonal carcinoma cells treated with etoposide. Cell Cycle, 2015, 14, 2969-2984.	1.3	29
30	Phylostratic Shift of Whole-Genome Duplications in Normal Mammalian Tissues towards Unicellularity Is Driven by Developmental Bivalent Genes and Reveals a Link to Cancer. International Journal of Molecular Sciences, 2020, 21, 8759.	1.8	29
31	Volume increase and spatial shifts of chromosome territories in nuclei of radiation-induced polyploidizing tumour cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 756, 56-65.	0.9	26
32	Polyploid giant cancer cells: An emerging new field of cancer biology. Seminars in Cancer Biology, 2022, 81, 1-4.	4.3	25
33	Resolution of Complex Issues in Genome Regulation and Cancer Requires Non-Linear and Network-Based Thermodynamics. International Journal of Molecular Sciences, 2020, 21, 240.	1.8	22
34	Differentiating cancer cells reveal early large-scale genome regulation by pericentric domains. Biophysical Journal, 2021, 120, 711-724.	0.2	20
35	Self-Renewal Signalling in Presenescent Tetraploid IMR90 Cells. Journal of Aging Research, 2011, 2011, 1-14.	0.4	18
36	Nucleolar aggresomes mediate release of pericentric heterochromatin and nuclear destruction of genotoxically treated cancer cells. Nucleus, 2017, 8, 205-221.	0.6	17

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37	DNA methylation of the Oct4A enhancers in embryonal carcinoma cells after etoposide treatment is associated with alternative splicing and altered pluripotency in reversibly senescent cells. Cell Cycle, 2018, 17, 362-366.	1.3	16
38	When Three Isn't a Crowd: A Digyny Concept for Treatment-Resistant, Near-Triploid Human Cancers. Genes, 2019, 10, 551.	1.0	15
39	Heterochromatin Networks: Topology, Dynamics, and Function (a Working Hypothesis). Cells, 2021, 10, 1582.	1.8	14
40	Interphase genome as the active space: Chromatin dynamics during chick embryo chondrogenesis. Mechanisms of Ageing and Development, 1993, 67, 21-32.	2.2	13
41	Aberrations of cell cycle and cell death in normal development of the chick embryo growth plate. Mechanisms of Ageing and Development, 1999, 108, 227-238.	2.2	13
42	Anisotropic staining of apurinic acid with toluidine blue. Histochemistry, 1979, 60, 321-325.	1.9	11
43	Meta-Analysis of Cancer Triploidy: Rearrangements of Genome Complements in Male Human Tumors Are Characterized by XXY Karyotypes. Genes, 2019, 10, 613.	1.0	11
44	Tumor cell embryonality and the ploidy number 32n: Is it a developmental checkpoint?. Cell Cycle, 2011, 10, 1873-1874.	1.3	9
45	Differential staining of peripheral nuclear chromatin with Acridine orange implies an A-form epichromatin conformation of the DNA. Nucleus, 2018, 9, 171-181.	0.6	9
46	Accelerated Senescence of Cancer Stem Cells: A Failure to Thrive or a Route to Survival?. , 0, , .		8
47	Role of the Circadian Clock â€œDeath-Loopâ€•in the DNA Damage Response Underpinning Cancer Treatment Resistance. Cells, 2022, 11, 880.	1.8	8
48	Consideration on the Metachromatic Spectra of Toluidine Blue Dimers Formed on DNA Oligomers. Bulletin of the Chemical Society of Japan, 2010, 83, 1216-1222.	2.0	7
49	Two mechanisms of chromatin compaction. Acta Histochemica, 1989, 86, 129-135.	0.9	5
50	Survival at the Brink. , 2017, , 275-294.		5
51	Accumulation of DNA within chromocentres of terminally differentiating chick embryo chondrocytes. Acta Histochemica, 1991, 90, 113-119.	0.9	4
52	Life-Cycle Features of Tumour Cells. , 2008, , 61-71.		3
53	The Role of the Meiotic Component in Reproduction of B-RAF-Mutated Melanoma: A Review and â€œBrainstormingâ€•Session. , 0, , .		2
54	JÄnis OÄ¼Ä£erts Ä’renpreiss and his School of Cancer Research: Commemorating the 90th Anniversary. Proceedings of the Latvian Academy of Sciences, 2019, 73, 533-537.	0.0	2

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55	Image Analysis of DNA Repair and Apoptosis in Tumor Cells with Differing Sensitivity to DNA Damage. IFMBE Proceedings, 2008, , 524-527.	0.2	1
56	JÄ•nis OÄ¼Ä£erts Ä'renpreiss and His Theory of Carcinogenesis. Acta Medico-Historica Rigensia, 2000, 5(24), .	0.1	1
57	A New Perspective of Genome Regulation from the Physics of Life Standpoint. Proceedings of the Latvian Academy of Sciences, 2022, 76, 163-167.	0.0	0