

# Jekaterina Erenpreisa

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Paradoxes of cancer: Survival at the brink. <i>Seminars in Cancer Biology</i> , 2022, 81, 119-131.	4.3	42
2	Polyloid giant cancer cells: An emerging new field of cancer biology. <i>Seminars in Cancer Biology</i> , 2022, 81, 1-4.	4.3	25
3	Role of the Circadian Clock "Death-Loop" in the DNA Damage Response Underpinning Cancer Treatment Resistance. <i>Cells</i> , 2022, 11, 880.	1.8	8
4	A New Perspective of Genome Regulation from the Physics of Life Standpoint. <i>Proceedings of the Latvian Academy of Sciences</i> , 2022, 76, 163-167.	0.0	0
5	Differentiating cancer cells reveal early large-scale genome regulation by pericentric domains. <i>Biophysical Journal</i> , 2021, 120, 711-724.	0.2	20
6	Heterochromatin Networks: Topology, Dynamics, and Function (a Working Hypothesis). <i>Cells</i> , 2021, 10, 1582.	1.8	14
7	Phylostratic Shift of Whole-Genome Duplications in Normal Mammalian Tissues towards Unicellularity Is Driven by Developmental Bivalent Genes and Reveals a Link to Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8759.	1.8	29
8	Resolution of Complex Issues in Genome Regulation and Cancer Requires Non-Linear and Network-Based Thermodynamics. <i>International Journal of Molecular Sciences</i> , 2020, 21, 240.	1.8	22
9	"Mitotic Slippage" and Extranuclear DNA in Cancer Chemoresistance: A Focus on Telomeres. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2779.	1.8	36
10	When Three Isn't a Crowd: A Digyny Concept for Treatment-Resistant, Near-Triploid Human Cancers. <i>Genes</i> , 2019, 10, 551.	1.0	15
11	Meta-Analysis of Cancer Triploidy: Rearrangements of Genome Complements in Male Human Tumors Are Characterized by XXY Karyotypes. <i>Genes</i> , 2019, 10, 613.	1.0	11
12	The Cancer Aneuploidy Paradox: In the Light of Evolution. <i>Genes</i> , 2019, 10, 83.	1.0	41
13	Jānis Ošerts Ārenpreiss and his School of Cancer Research: Commemorating the 90th Anniversary. <i>Proceedings of the Latvian Academy of Sciences</i> , 2019, 73, 533-537.	0.0	2
14	DNA methylation of the <i>Oct4</i> enhancers in embryonal carcinoma cells after etoposide treatment is associated with alternative splicing and altered pluripotency in reversibly senescent cells. <i>Cell Cycle</i> , 2018, 17, 362-366.	1.3	16
15	Differential staining of peripheral nuclear chromatin with Acridine orange implies an A-form epichromatin conformation of the DNA. <i>Nucleus</i> , 2018, 9, 171-181.	0.6	9
16	Nucleolar aggresomes mediate release of pericentric heterochromatin and nuclear destruction of genotoxicity treated cancer cells. <i>Nucleus</i> , 2017, 8, 205-221.	0.6	17
17	Survival at the Brink. , 2017, , 275-294.		5
18	Self-Organizing Global Gene Expression Regulated through Criticality: Mechanism of the Cell-Fate Change. <i>PLoS ONE</i> , 2016, 11, e0167912.	1.1	38

#	ARTICLE	IF	CITATIONS
19	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
20	Somatic polyploidy is associated with the upregulation of c-MYC interacting genes and EMT-like signature. <i>Oncotarget</i> , 2016, 7, 75235-75260.	0.8	39
21	Emergent Self-Organized Criticality in Gene Expression Dynamics: Temporal Development of Global Phase Transition Revealed in a Cancer Cell Line. <i>PLoS ONE</i> , 2015, 10, e0128565.	1.1	46
22	Role of stress-activated OCT4A in the cell fate decisions of embryonal carcinoma cells treated with etoposide. <i>Cell Cycle</i> , 2015, 14, 2969-2984.	1.3	29
23	The "œvirgin birth" polyploidy, and the origin of cancer. <i>Oncoscience</i> , 2014, 2, 3-14.	0.9	64
24	Three steps to the immortality of cancer cells: senescence, polyploidy and self-renewal. <i>Cancer Cell International</i> , 2013, 13, 92.	1.8	131
25	Volume increase and spatial shifts of chromosome territories in nuclei of radiation-induced polyploidizing tumour cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 756, 56-65.	0.9	26
26	DNA damage causes TP53-dependent coupling of self-renewal and senescence pathways in embryonal carcinoma cells. <i>Cell Cycle</i> , 2013, 12, 430-441.	1.3	37
27	Macroautophagy-aided elimination of chromatin. <i>Autophagy</i> , 2012, 8, 1877-1881.	4.3	34
28	Polyploid tumour cells elicit paradiploid progeny through depolyploidizing divisions and regulated autophagic degradation. <i>Cell Biology International</i> , 2011, 35, 687-695.	1.4	81
29	Self-Renewal Signalling in Presenescent Tetraploid IMR90 Cells. <i>Journal of Aging Research</i> , 2011, 2011, 1-14.	0.4	18
30	Tumor cell embryonality and the ploidy number 32n: Is it a developmental checkpoint?. <i>Cell Cycle</i> , 2011, 10, 1873-1874.	1.3	9
31	Consideration on the Metachromatic Spectra of Toluidine Blue Dimers Formed on DNA Oligomers. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 1216-1222.	2.0	7
32	Up-regulation of the embryonic self-renewal network through reversible polyploidy in irradiated p53-mutant tumour cells. <i>Experimental Cell Research</i> , 2010, 316, 2099-2112.	1.2	106
33	Activation of Meiosis-Specific Genes Is Associated with Depolyploidization of Human Tumor Cells following Radiation-Induced Mitotic Catastrophe. <i>Cancer Research</i> , 2009, 69, 2296-2304.	0.4	107
34	The role of meiotic cohesin REC8 in chromosome segregation in $\gamma$ irradiation-induced endopolyploid tumour cells. <i>Experimental Cell Research</i> , 2009, 315, 2593-2603.	1.2	60
35	Endopolyploidy in irradiated p53-deficient tumour cell lines: Persistence of cell division activity in giant cells expressing Aurora kinase. <i>Cell Biology International</i> , 2008, 32, 1044-1056.	1.4	69
36	Image Analysis of DNA Repair and Apoptosis in Tumor Cells with Differing Sensitivity to DNA Damage. <i>IFMBE Proceedings</i> , 2008, , 524-527.	0.2	1

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37	Life-Cycle Features of Tumour Cells. , 2008, , 61-71.		3
38	Cancer: A matter of life cycle?. Cell Biology International, 2007, 31, 1507-1510.	1.4	82
39	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
40	Mitotic catastrophe and endomitosis in tumour cells: An evolutionary key to a molecular solution. Cell Biology International, 2005, 29, 1012-1018.	1.4	89
41	Segregation of genomes in polyploid tumour cells following mitotic catastrophe. Cell Biology International, 2005, 29, 1005-1011.	1.4	98
42	Cancer/testis antigens and gametogenesis: a review and "brain-storming" session. Cancer Cell International, 2005, 5, 4.	1.8	92
43	Toluidine blue test for sperm DNA integrity and elaboration of image cytometry algorithm. Cytometry, 2003, 52A, 19-27.	1.8	74
44	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
45	Nuclear envelope-limited chromatin sheets are part of mitotic death. Histochemistry and Cell Biology, 2002, 117, 243-255.	0.8	31
46	Effect of leukocytospermia on sperm DNA integrity: a negative effect in abnormal semen samples. Journal of Andrology, 2002, 23, 717-23.	2.0	71
47	Mitotic death: a mechanism of survival? A review. , 2001, 1, 1.		114
48	Jānis Ošers' reprints and His Theory of Carcinogenesis. Acta Medico-Historica Rigensia, 2000, 5(24), .	0.1	1
49	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
50	Aberrant death in dark chondrocytes of the avian growth plate. Cell Death and Differentiation, 1998, 5, 60-66.	5.0	35
51	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
52	Interphase genome as the active space: Chromatin dynamics during chick embryo chondrogenesis. Mechanisms of Ageing and Development, 1993, 67, 21-32.	2.2	13
53	Accumulation of DNA within chromocentres of terminally differentiating chick embryo chondrocytes. Acta Histochemica, 1991, 90, 113-119.	0.9	4
54	Two mechanisms of chromatin compaction. Acta Histochemica, 1989, 86, 129-135.	0.9	5

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55	Anisotropic staining of apurinic acid with toluidine blue. Histochemistry, 1979, 60, 321-325.	1.9	11
56	Accelerated Senescence of Cancer Stem Cells: A Failure to Thrive or a Route to Survival?. , 0, , .		8
57	The Role of the Meiotic Component in Reproduction of B-RAF-Mutated Melanoma: A Review and "Brainstorming" Session. , 0, , .		2