Stanislav Kozubek

List of Publications by Year in descending order

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99 papers	3,245 citations	147801 31 h-index	175258 52 g-index
100 all docs	100 docs citations	100 times ranked	3628 citing authors

#	Article	IF	Citations
1	Histone Modifications and Nuclear Architecture: A Review. Journal of Histochemistry and Cytochemistry, 2008, 56, 711-721.	2.5	294
2	Chromatin structure influences the sensitivity of DNA to Î³-radiation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 2398-2414.	4.1	160
3	Higher-order chromatin structure in DSB induction, repair and misrepair. Mutation Research - Reviews in Mutation Research, 2010, 704, 88-100.	5.5	120
4	Chromatin dynamics during DSB repair. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 1534-1545.	4.1	119
5	Localisation and distance between ABL and BCR genes in interphase nuclei of bone marrow cells of control donors and patients with chronic myeloid leukaemia. Human Genetics, 1997, 100, 525-535.	3.8	107
6	Nuclear levels and patterns of histone H3 modification and HP1 proteins after inhibition of histone deacetylases. Journal of Cell Science, 2005, 118, 5035-5046.	2.0	101
7	3D Structure of the human genome: order in randomness. Chromosoma, 2002, 111, 321-331.	2.2	92
8	Chromatin changes induced by lamin A/C deficiency and the histone deacetylase inhibitor trichostatin A. European Journal of Cell Biology, 2008, 87, 291-303.	3.6	72
9	Nuclear structure and gene activity in human differentiated cells. Journal of Structural Biology, 2002, 139, 76-89.	2.8	67
10	Genomeâ€wide reduction in H3K9 acetylation during human embryonic stem cell differentiation. Journal of Cellular Physiology, 2009, 219, 677-687.	4.1	64
11	Differentiation of human embryonic stem cells induces condensation of chromosome territories and formation of heterochromatin protein 1 foci. Differentiation, 2008, 76, 24-32.	1.9	63
12	Epigenome and chromatin structure in human embryonic stem cells undergoing differentiation. Developmental Dynamics, 2008, 237, 3690-3702.	1.8	61
13	Structure and Epigenetics of Nucleoli in Comparison With Non-nucleolar Compartments. Journal of Histochemistry and Cytochemistry, 2010, 58, 391-403.	2.5	61
14	HDAC1 and HDAC3 underlie dynamic H3K9 acetylation during embryonic neurogenesis and in schizophreniaâ€like animals. Journal of Cellular Physiology, 2018, 233, 530-548.	4.1	61
15	Two New Faces of Amifostine: Protector from DNA Damage in Normal Cells and Inhibitor of DNA Repair in Cancer Cells. Journal of Medicinal Chemistry, 2016, 59, 3003-3017.	6.4	59
16	Loss of lamin B receptor is necessary to induce cellular senescence. Biochemical Journal, 2017, 474, 281-300.	3.7	58
17	Particles with similar LET values generate DNA breaks of different complexity and reparability: a high-resolution microscopy analysis of Î³H2AX/53BP1 foci. Nanoscale, 2018, 10, 1162-1179.	5.6	56
18	Arrangement of chromosomeÂ11 and 22 territories, EWSR1 and FLI1 genes, and other genetic elements of these chromosomes in human lymphocytes and Ewing sarcoma cells. Human Genetics, 2003, 112, 143-155.	3.8	54

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19	Distinct nuclear arrangement of active and inactive c-myc genes in control and differentiated colon carcinoma cells. Experimental Cell Research, 2006, 312, 4019-4035.	2.6	52
20	Acetylationâ€dependent nuclear arrangement and recruitment of BMI1 protein to UVâ€damaged chromatin. Journal of Cellular Physiology, 2012, 227, 1838-1850.	4.1	48
21	Effect of gadolinium-based nanoparticles on nuclear DNA damage and repair in glioblastoma tumor cells. Journal of Nanobiotechnology, 2016, 14, 63.	9.1	48
22	Nuclear architecture in the light of gene expression and cell differentiation studies. Biology of the Cell, 2006, 98, 323-336.	2.0	47
23	Nuclear and territorial topography of chromosome telomeres in human lymphocytes. Experimental Cell Research, 2003, 289, 11-26.	2.6	45
24	Recruitment of Oct4 Protein to UV-Damaged Chromatin in Embryonic Stem Cells. PLoS ONE, 2011, 6, e27281.	2.5	45
25	Consequences of Lamin B1 and Lamin B Receptor Downregulation in Senescence. Cells, 2018, 7, 11.	4.1	43
26	The influence of the cell cycle, differentiation and irradiation on the nuclear location of the abl, bcr and c-myc genes in human leukemic cells. Leukemia Research, 2000, 24, 233-241.	0.8	41
27	Granulocyte maturation determines ability to release chromatin NETs and loss of DNA damage response; these properties are absent in immature AML granulocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 767-779.	4.1	41
28	H3K9 acetylation and radial chromatin positioning. Journal of Cellular Physiology, 2009, 220, 91-101.	4.1	37
29	Higher-order chromatin structure of human granulocytes. Chromosoma, 2001, 110, 360-370.	2.2	35
30	Methylation of histones in myeloid leukemias as a potential marker of granulocyte abnormalities. Journal of Leukocyte Biology, 2005, 77, 100-111.	3.3	35
31	SUV39h-independent association of HP1Î² with fibrillarin-positive nucleolar regions. Chromosoma, 2010, 119, 227-241.	2.2	33
32	Differentiation-specific association of HP1Î± and HP1Î² with chromocentres is correlated with clustering of TIF1Î² at these sites. Histochemistry and Cell Biology, 2007, 127, 375-388.	1.7	31
33	Nuclear topography of the c-myc gene in human leukemic cells. Gene, 2000, 244, 1-11.	2.2	29
34	Trajectories and nuclear arrangement of PML bodies are influenced by Aâ€type lamin deficiency. Biology of the Cell, 2012, 104, 418-432.	2.0	29
35	Spatial Distribution of Selected Genetic Loci in Nuclei of Human Leukemia Cells after Irradiation. Radiation Research, 2001, 155, 311-319.	1.5	28
36	Low-frequency magnetic field effect on cytoskeleton and chromatin. Bioelectrochemistry, 2007, 70, 96-100.	4.6	28

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37	Basic nuclear processes affected by histone acetyltransferases and histone deacetylase inhibitors. Epigenomics, 2013, 5, 379-396.	2.1	28
38	Postâ€Translational Modifications of Histones in Human Sperm. Journal of Cellular Biochemistry, 2015, 116, 2195-2209.	2.6	27
39	The role of actin and microtubule networks in plasmid DNA intracellular trafficking.. Acta Biochimica Polonica, 2007, 54, 657-663.	0.5	27
40	Automated acquisition and processing of multidimensional image data in confocal in vivo microscopy. Microscopy Research and Technique, 2004, 64, 164-175.	2.2	26
41	Chromatin architecture changes and DNA replication fork collapse are critical features in cryopreserved cells that are differentially controlled by cryoprotectants. Scientific Reports, 2018, 8, 14694.	3.3	26
42	Determining Omics Spatiotemporal Dimensions Using Exciting New Nanoscopy Techniques to Assess Complex Cell Responses to DNA Damage: PART A-Radiomics. Critical Reviews in Eukaryotic Gene Expression, 2014, 24, 205-223.	0.9	26
43	Determining Omics Spatiotemporal Dimensions Using Exciting New Nanoscopy Techniques to Assess Complex Cell Responses to DNA Damage: Part - Structuromics. Critical Reviews in Eukaryotic Gene Expression, 2014, 24, 225-247.	0.9	26
44	Nuclear Structures Surrounding Internal Lamin Invaginations. Journal of Cellular Biochemistry, 2014, 115, 476-487.	2.6	25
45	Heterochromatinization associated with cell differentiation as a model to study DNA double strand break induction and repair in the context of higher-order chromatin structure. Applied Radiation and Isotopes, 2014, 83, 177-185.	1.5	25
46	Differentiation-Independent Fluctuation of Pluripotency-Related Transcription Factors and Other Epigenetic Markers in Embryonic Stem Cell Colonies. Stem Cells and Development, 2012, 21, 710-720.	2.1	24
47	Hybrid Detectors Improved Time-Lapse Confocal Microscopy of PML and 53BP1 Nuclear Body Colocalization in DNA Lesions. Microscopy and Microanalysis, 2013, 19, 360-369.	0.4	24
48	Distinct kinetics of DNA repair protein accumulation at DNA lesions and cell cycleâ€dependent formation of Î³H2AXâ€•and NBS1â€positive repair foci. Biology of the Cell, 2015, 107, 440-454.	2.0	24
49	Heterogeneity in the kinetics of nuclear proteins and trajectories of substructures associated with heterochromatin. Epigenetics and Chromatin, 2011, 4, 5.	3.9	22
50	Coilin is rapidly recruited to UVA-induced DNA lesions and Î³-radiation affects localized movement of Cajal bodies. Nucleus, 2014, 5, 269-277.	2.2	22
51	Function of chromatin structure and dynamics in DNA damage, repair and misrepair: Î³-rays and protons in action. Applied Radiation and Isotopes, 2014, 83, 128-136.	1.5	22
52	Biologically based risk estimation for radiation-induced CML. Radiation and Environmental Biophysics, 2001, 40, 1-9.	1.4	21
53	The BRCA1 alternative splicing variant Î”14-15 with an in-frame deletion of part of the regulatory serine-containing domain (SCD) impairs the DNA repair capacity in MCF-7 cells. Cellular Signalling, 2012, 24, 1023-1030.	3.6	21
54	DNA-damage response in chromatin of ribosomal genes and the surrounding genome. Gene, 2013, 522, 156-167.	2.2	21

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55	Nuclear topography of Î²-like globin gene cluster in IL-3-stimulated human leukemic K-562 cells. Blood Cells, Molecules, and Diseases, 2004, 33, 4-14.	1.4	20
56	SUV39hâ€•and Aâ€‘type laminâ€dependent telomere nuclear rearrangement. Journal of Cellular Biochemistry, 2010, 109, 915-926.	2.6	20
57	Localization of genetic elements of intact and derivative chromosome 11 and 22 territories in nuclei of Ewing sarcoma cells. Journal of Structural Biology, 2006, 155, 493-504.	2.8	19
58	Nuclear organization of PML bodies in leukaemic and multiple myeloma cells. Leukemia Research, 2008, 32, 1866-1877.	0.8	19
59	Function of heterochromatin protein 1 during DNA repair. Protoplasma, 2017, 254, 1233-1240.	2.1	19
60	HP1Î²-dependent recruitment of UBF1 to irradiated chromatin occurs simultaneously with CPDs. Epigenetics and Chromatin, 2014, 7, 39.	3.9	18
61	Nucleolar Reorganization Upon Site-Specific Double-Strand Break Induction. Journal of Histochemistry and Cytochemistry, 2016, 64, 669-686.	2.5	18
62	Topography of genetic elements of X-chromosome relative to the cell nucleus and to the chromosome X territory determined for human lymphocytes. Gene, 2002, 292, 13-24.	2.2	17
63	Topography of genetic loci in the nuclei of cells of colorectal carcinoma and adjacent tissue of colonic epithelium. Chromosoma, 2004, 112, 221-230.	2.2	17
64	Nuclear topography and expression of the BCR/ABL fusion gene and its protein level influenced by cell differentiation and RNA interference. Leukemia Research, 2005, 29, 901-913.	0.8	17
65	Epigenetics of multiple myeloma after treatment with cytostatics and gamma radiation. Leukemia Research, 2009, 33, 1490-1498.	0.8	16
66	Chromocentre integrity and epigenetic marks. Journal of Structural Biology, 2010, 169, 124-133.	2.8	16
67	PCNA is recruited to irradiated chromatin in late S-phase and is most pronounced in G2 phase of the cell cycle. Protoplasma, 2017, 254, 2035-2043.	2.1	15
68	Accumulation of DNA Damage and Cell Death after Fractionated Irradiation. Radiation Research, 2011, 175, 708-718.	1.5	13
69	Mutations in the TP53 gene affected recruitment of 53BP1 protein to DNA lesions, but level of 53BP1 was stable after Î³-irradiation that depleted MDC1 protein in specific TP53 mutants. Histochemistry and Cell Biology, 2017, 148, 239-255.	1.7	13
70	The Risk of Chronic Myeloid Leukemia: Can the Doseâ€“Response Curve be U-Shaped?. Radiation Research, 2002, 157, 106-109.	1.5	12
71	Single-cell c-myc gene expression in relationship to nuclear domains. Chromosome Research, 2008, 16, 325-343.	2.2	12
72	Mutant Genetic Background Affects the Functional Rearrangement and Kinetic Properties of JMJD2b Histone Demethylase. Journal of Molecular Biology, 2011, 405, 679-695.	4.2	10

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73	Arrangement of nuclear structures is not transmitted through mitosis but is identical in sister cells. Journal of Cellular Biochemistry, 2012, 113, 3313-3329.	2.6	10
74	Epigenetic aspects of HP1 exchange kinetics in apoptotic chromatin. Biochimie, 2013, 95, 167-179.	2.6	10
75	DNA Damage Changes Distribution Pattern and Levels of HP1 Protein Isoforms in the Nucleolus and Increases Phosphorylation of HP1Î²-Ser88. Cells, 2019, 8, 1097.	4.1	10
76	Cytogenetics and cytology of retinoblastomas. Journal of Cancer Research and Clinical Oncology, 2003, 129, 89-99.	2.5	9
77	New insights into gene positional clustering and its properties supported by large-scale analysis of various differentiation pathways. Genomics, 2007, 89, 81-88.	2.9	9
78	Cell differentiation along multiple pathways accompanied by changes in histone acetylation status. Biochemistry and Cell Biology, 2014, 92, 85-93.	2.0	9
79	Recruitment of HP1Î² to UVAâ€induced DNA lesions is independent of radiationâ€induced changes in Aâ€type lamins. Biology of the Cell, 2014, 106, 151-165.	2.0	9
80	Localized movement and morphology of UBF1-positive nucleolar regions are changed by Î³-irradiation in G2 phase of the cell cycle. Nucleus, 2015, 6, 301-313.	2.2	9
81	Effects of epigenetic-based anti-cancer drugs in leukaemia and multiple myeloma cells. Cell Biology International, 2011, 35, 1195-1203.	3.0	8
82	Directional motion of foreign plasmid DNA to nuclear HP1 foci. Chromosome Research, 2006, 14, 505-514.	2.2	7
83	Localized Movement and Levels of 53BP1 Protein Are Changed by Î³â€irradiation in PML Deficient Cells. Journal of Cellular Biochemistry, 2016, 117, 2583-2596.	2.6	7
84	The level and distribution pattern of HP1Î² in the embryonic brain correspond to those of H3K9me1/me2 but not of H3K9me3. Histochemistry and Cell Biology, 2016, 145, 447-461.	1.7	7
85	Distinct cellular responses to replication stress leading to apoptosis or senescence. FEBS Open Bio, 2019, 9, 870-890.	2.3	7
86	Intranuclear trafficking of plasmid DNA is mediated by nuclear polymeric proteins lamins and actin.. Acta Biochimica Polonica, 2008, 55, 307-315.	0.5	7
87	A Nonfitting Method Using a Spatial Sine Window Transform for Inhomogeneous Effective-Diffusion Measurements by FRAP. Biophysical Journal, 2011, 100, 507-516.	0.5	6
88	Genome Instability in the Context of Chromatin Structure and Fragile Sites. Critical Reviews in Eukaryotic Gene Expression, 2010, 20, 181-194.	0.9	6
89	Epigenetics and chromatin plasticity in embryonic stem cells. World Journal of Stem Cells, 2013, 5, 73.	2.8	5
90	Chromatin Structure and Epigenetics of Tumour Cells: A Review. Cardiovascular & Hematological Disorders Drug Targets, 2009, 9, 51-61.	0.7	4

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91	Chromatin differentiation of white blood cells decreases DSB damage induction, prevents functional assembly of repair foci, but has no influence on protrusion of heterochromatic DSBs into the low-dense chromatin. Journal of Radiation Research, 2014, 55, i81-i82.	1.6	4
92	Advanced Image Acquisition and Analytical Techniques for Studies of Living Cells and Tissue Sections. Microscopy and Microanalysis, 2016, 22, 326-341.	0.4	4
93	Chromatin Structure with Respect to Histone Signature Changes during Cell Differentiation. Cell Structure and Function, 2010, 35, 31-44.	1.1	3
94	Repair of DNA Double-Strand Breaks. Biological and Medical Physics Series, 2012, , 329-357.	0.4	2
95	Nuclear apoptotic volume decrease in individual cells: Confocal microscopy imaging and kinetic modeling. Journal of Theoretical Biology, 2018, 454, 60-69.	1.7	1
96	Combined system for optical cutting and multiple-beam optical trapping. , 1999, 4016, 303.		0
97	Spatial structure of chromatin in hybrid cells produced by laser-induced fusion studied by optical microscopy. , 2003, 5036, 630.		0
98	Employment of laser-induced fusion of living cells for the study of spatial structure of chromatin. , 2003, , .		0
99	FRAP Analysis of Proteins Diffusion and Binding in Inhomogeneous Media. Biophysical Journal, 2012, 102, 48a.	0.5	0