Alexey S Ruzov

List of Publications by Year in Descending Order

42 papers	1,397 citations	18 h-index	37 g-index
43 ext. papers	1,571 ext. citations	6.3 avg, IF	3.99 L-index

#	Paper	IF	Citations
42	Detection and Quantification of RNA Modifications on RNADNA Hybrids Using SID-UPLC-MS/MS. *Methods in Molecular Biology*, **2022**, 127-143	1.4	
41	Detecting and Mapping N6-Methyladenosine on RNA/DNA Hybrids. *Methods in Molecular Biology*, **2022**, 329-344	1.4	
40	Detection of Low-Abundance DNA Modifications Using Signal Amplification-Based Immunocytochemistry. *Methods in Molecular Biology*, **2021**, 2198, 169-181	1.4	
39	Analysis of 5-Carboxylcytosine Distribution Using DNA Immunoprecipitation. *Methods in Molecular Biology*, **2021**, 2198, 311-319	1.4	
38	LINE-1 transcription in round spermatids is associated with accretion of 5-carboxylcytosine in their open reading frames. *Communications Biology*, **2021**, 4, 691	6.7	1
37	SWI/SNF complexes as determinants of R-loop metabolism. *Nature Genetics*, **2021**, 53, 940-941	36.3	1
36	Modified Forms of Cytosine in Eukaryotes: DNA (De)methylation and Beyond. *Methods in Molecular Biology*, **2021**, 2198, 3-13	1.4	1
35	Evidence for Noncytosine Epigenetic DNA Modifications in Multicellular Eukaryotes: An Overview. *Methods in Molecular Biology*, **2021**, 2198, 15-25	1.4	3
34	5-formylcytosine and 5-hydroxymethyluracil as surrogate markers of TET2 and SF3B1 mutations in myelodysplastic syndrome, respectively. *Haematologica*, **2020**, 105, e213-e215	6.6	1
33	N-methyladenosine regulates the stability of RNA:DNA hybrids in human cells. *Nature Genetics*, **2020**, 52, 48-55	36.3	82
32	Mass spectrometry reveals the presence of specific set of epigenetic DNA modifications in the Norway spruce genome. *Scientific Reports*, **2019**, 9, 19314	4.9	4
31	WilmsTumor Protein 1 and Enzymatic Oxidation of 5-Methylcytosine in Brain Tumors: Potential Perspectives. *Frontiers in Cell and Developmental Biology*, **2018**, 6, 26	5.7	5
30	Developmental Functions of the Dynamic DNA Methylome and Hydroxymethylome in the Mouse and Zebrafish: Similarities and Differences. *Frontiers in Cell and Developmental Biology*, **2018**, 6, 27	5.7	8
29	Population Epigenomics: Advancing Understanding of Phenotypic Plasticity, Acclimation, Adaptation and Diseases. *Population Genomics*, **2018**, 179-260	1.4	12
28	Molecular Mechanisms Governing the Stem Cells Fate in Brain Cancer: Factors of Stemness and Quiescence. *Frontiers in Cellular Neuroscience*, **2018**, 12, 388	6.1	18
27	Medulloblastoma and ependymoma cells display increased levels of 5-carboxylcytosine and elevated expression. *Clinical Epigenetics*, **2017**, 9, 18	7.7	12
26	Dynamics of 5-carboxylcytosine during hepatic differentiation: Potential general role for active demethylation by DNA repair in lineage specification. *Epigenetics*, **2017**, 12, 277-286	5.7	18

25	Immunostaining for DNA Modifications: Computational Analysis of Confocal Images. *Journal of Visualized Experiments*, **2017**,	1.6	2
24	Immunohistochemical Detection of Oxidized Forms of 5-Methylcytosine in Embryonic and Adult Brain Tissue. *Neuromethods*, **2016**, 125-137	0.4	2
23	Detection of Modified Forms of Cytosine Using Sensitive Immunohistochemistry. *Journal of Visualized Experiments*, **2016**,	1.6	8
22	5-Carboxylcytosine levels are elevated in human breast cancers and gliomas. *Clinical Epigenetics*, **2015**, 7, 88	7.7	25
21	White matter tract and glial-associated changes in 5-hydroxymethylcytosine following chronic cerebral hypoperfusion. *Brain Research*, **2014**, 1592, 82-100	3.7	6
20	Transient accumulation of 5-carboxylcytosine indicates involvement of active demethylation in lineage specification of neural stem cells. *Cell Reports*, **2014**, 7, 1353-1361	10.6	70
19	A B-cell targeting virus disrupts potentially protective genomic methylation patterns in lymphoid tissue by increasing global 5-hydroxymethylcytosine levels. *Veterinary Research*, **2014**, 45, 108	3.8	1
18	A B-cell targeting virus disrupts potentially protective genomic methylation patterns in lymphoid tissue by increasing global 5-hydroxmethylcytosine levels. *Veterinary Research*, **2014**, 45, 108	3.8	2
17	Planarian MBD2/3 is required for adult stem cell pluripotency independently of DNA methylation. *Developmental Biology*, **2013**, 384, 141-53	3.1	27
16	5-hydroxymethyl-cytosine enrichment of non-committed cells is not a universal feature of vertebrate development. *Epigenetics*, **2012**, 7, 383-9	5.7	44
15	5-Carboxylcytosine is localized to euchromatic regions in the nuclei of follicular cells in axolotl ovary. *Nucleus*, **2012**, 3, 565-9	3.9	11
14	Semi-quantitative immunohistochemical detection of 5-hydroxymethyl-cytosine reveals conservation of its tissue distribution between amphibians and mammals. *Epigenetics*, **2012**, 7, 137-40	5.7	21
13	Lineage-specific distribution of high levels of genomic 5-hydroxymethylcytosine in mammalian development. *Cell Research*, **2011**, 21, 1332-42	24.7	161
12	Enzymatic approaches and bisulfite sequencing cannot distinguish between 5-methylcytosine and 5-hydroxymethylcytosine in DNA. *BioTechniques*, **2010**, 48, 317-9	2.5	173
11	MBD4 and MLH1 are required for apoptotic induction in xDNMT1-depleted embryos. *Development (Cambridge)*, **2009**, 136, 2277-86	6.6	27
10	The interaction of xKaiso with xTcf3: a revised model for integration of epigenetic and Wnt signalling pathways. *Development (Cambridge)*, **2009**, 136, 723-7	6.6	45
9	The non-methylated DNA-binding function of Kaiso is not required in early Xenopus laevis development. *Development (Cambridge)*, **2009**, 136, 729-38	6.6	40
8	xDnmt1 regulates transcriptional silencing in pre-MBT Xenopus embryos independently of its catalytic function. *Development (Cambridge)*, **2008**, 135, 1295-302	6.6	58

7	Epigenetic silencing in embryogenesis. *Experimental Cell Research*, **2005**, 309, 241-9	4.2	23
6	Kaiso is a genome-wide repressor of transcription that is essential for amphibian development. *Development (Cambridge)*, **2004**, 131, 6185-94	6.6	90
5	Cloning and developmental expression of MARK/Par-1/MELK-related protein kinase xMAK-V in Xenopus laevis. *Development Genes and Evolution*, **2004**, 214, 139-43	1.8	7
4	Kaiso, a New Protein of the BTB/POZ Family, Specifically Binds to Methylated DNA Sequences. *Russian Journal of Genetics*, **2001**, 37, 603-609	0.6	4
3	High constitutive level of NF-kappaB is crucial for viability of adenocarcinoma cells. *Cell Death and Differentiation*, **2001**, 8, 621-30	12.7	23
2	The p120 catenin partner Kaiso is a DNA methylation-dependent transcriptional repressor. *Genes and Development*, **2001**, 15, 1613-8	12.6	359
1	A high constitutive level of NF-**B** is necessary for the viability of mouse adenocarcinoma cells: A possible role of p53. *Molecular Biology*, **2000**, 34, 655-661	1.2	