

Tatyana B Nesterova

List of Publications by Year in descending order

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36
papers

3,823
citations

236833

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360920

35
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docs citations

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times ranked

4129
citing authors

#	ARTICLE	IF	CITATIONS
1	Xist-mediated silencing requires additive functions of SPEN and Polycomb together with differentiation-dependent recruitment of SmcHD1. <i>Cell Reports</i> , 2022, 39, 110830.	2.9	9
2	Xist Repeats B and C, but not Repeat A, mediate de novo recruitment of the Polycomb system in X chromosome inactivation. <i>Developmental Cell</i> , 2021, 56, 1234-1235.	3.1	4
3	Time-resolved structured illumination microscopy reveals key principles of Xist RNA spreading. <i>Science</i> , 2021, 372, .	6.0	42
4	The role of the Xist 5' m ⁶ A region and RBM15 in X chromosome inactivation. <i>Wellcome Open Research</i> , 2020, 5, 31.	0.9	37
5	Systematic allelic analysis defines the interplay of key pathways in X chromosome inactivation. <i>Nature Communications</i> , 2019, 10, 3129.	5.8	93
6	The non-canonical SMC protein SmcHD1 antagonises TAD formation and compartmentalisation on the inactive X chromosome. <i>Nature Communications</i> , 2019, 10, 30.	5.8	87
7	SmcHD1 Targeting to the Inactive X Is Dependent on the Xist-HnrnpK-PRC1 Pathway. <i>Cell Reports</i> , 2018, 25, 1912-1923.e9.	2.9	56
8	PCGF3/5-PRC1 initiates Polycomb recruitment in X chromosome inactivation. <i>Science</i> , 2017, 356, 1081-1084.	6.0	220
9	The nuclear matrix protein CIZ1 facilitates localization of Xist RNA to the inactive X-chromosome territory. <i>Genes and Development</i> , 2017, 31, 876-888.	2.7	104
10	hnRNP K Recruits PCGF3/5-PRC1 to the Xist RNA B-Repeat to Establish Polycomb-Mediated Chromosomal Silencing. <i>Molecular Cell</i> , 2017, 68, 955-969.e10.	4.5	255
11	Jarid2 binds mono-ubiquitylated H2A lysine 119 to mediate crosstalk between Polycomb complexes PRC1 and PRC2. <i>Nature Communications</i> , 2016, 7, 13661.	5.8	207
12	MicroRNAs of the miR-290/295 Family Maintain Bivalency in Mouse Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2016, 6, 635-642.	2.3	24
13	Ordered chromatin changes and human X chromosome reactivation by cell fusion-mediated pluripotent reprogramming. <i>Nature Communications</i> , 2016, 7, 12354.	5.8	19
14	Impairment of DNA Methylation Maintenance Is the Main Cause of Global Demethylation in Naive Embryonic Stem Cells. <i>Molecular Cell</i> , 2016, 62, 848-861.	4.5	189
15	A Pooled shRNA Screen Identifies Rbm15, Spen, and Wtap as Factors Required for Xist RNA-Mediated Silencing. <i>Cell Reports</i> , 2015, 12, 562-572.	2.9	226
16	Independent Mechanisms Target SMCHD1 to Trimethylated Histone H3 Lysine 9-Modified Chromatin and the Inactive X Chromosome. <i>Molecular and Cellular Biology</i> , 2015, 35, 4053-4068.	1.1	66
17	Spatial separation of Xist RNA and polycomb proteins revealed by superresolution microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2235-2240.	3.3	91
18	Cross-talking noncoding RNAs contribute to cell-specific neurodegeneration in SCA7. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 955-961.	3.6	79

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19	Epigenetic Functions of Smchd1 Repress Gene Clusters on the Inactive X Chromosome and on Autosomes. <i>Molecular and Cellular Biology</i> , 2013, 33, 3150-3165.	1.1	99
20	Variability of Sequence Surrounding the Xist Gene in Rodents Suggests Taxon-Specific Regulation of X Chromosome Inactivation. <i>PLoS ONE</i> , 2011, 6, e22771.	1.1	15
21	Pluripotency factor binding and Tsix expression act synergistically to repress Xist in undifferentiated embryonic stem cells. <i>Epigenetics and Chromatin</i> , 2011, 4, 17.	1.8	42
22	Efficiency of Xist-mediated silencing on autosomes is linked to chromosomal domain organisation. <i>Epigenetics and Chromatin</i> , 2010, 3, 10.	1.8	54
23	FGF4 Independent Derivation of Trophoblast Stem Cells from the Common Vole. <i>PLoS ONE</i> , 2009, 4, e7161.	1.1	25
24	Dicer regulates Xist promoter methylation in ES cells indirectly through transcriptional control of Dnmt3a. <i>Epigenetics and Chromatin</i> , 2008, 1, 2.	1.8	76
25	High-Resolution G-Banding of Chromosomes in <i>Microtus Subarvalis</i> (Rodentia, Arvicolidae). <i>Hereditas</i> , 2004, 123, 47-52.	0.5	12
26	High-Resolution G-Banding of Chromosomes in the Common Vole <i>Microtus Arvalis</i> (Rodentia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	0.5	9
27	Comparative Analysis of Chromosomes in <i>Microtus Transcaspicus</i> and <i>Microtus Subarvalis</i> (Arvicolidae, Rodentia): High-Resolution G-Banding and Localization of NORs. <i>Hereditas</i> , 2004, 124, 243-250.	0.5	4
28	Polycomb Group Proteins Ring1A/B Link Ubiquitylation of Histone H2A to Heritable Gene Silencing and X Inactivation. <i>Developmental Cell</i> , 2004, 7, 663-676.	3.1	829
29	Establishment of Histone H3 Methylation on the Inactive X Chromosome Requires Transient Recruitment of Eed-Enx1 Polycomb Group Complexes. <i>Developmental Cell</i> , 2003, 4, 481-495.	3.1	614
30	Skewing X chromosome choice by modulating sense transcription across the Xist locus. <i>Genes and Development</i> , 2003, 17, 2177-2190.	2.7	62
31	Xist expression and macroH2A1.2 localisation in mouse primordial and pluripotent embryonic germ cells. <i>Differentiation</i> , 2002, 69, 216-225.	1.0	36
32	Comparative chromosome and mitochondrial DNA analyses and phylogenetic relationships within common voles (<i>Microtus</i> , Arvicolidae). <i>Chromosome Research</i> , 2001, 9, 107-120.	1.0	55
33	Comparative mapping of X chromosomes in vole species of the genus <i>Microtus</i> . <i>Chromosome Research</i> , 1998, 6, 41-48.	1.0	29
34	Repetitive DNA sequences in the common vole: cloning, characterization and chromosome localization of two novel complex repeats MS3 and MS4 from the genome of the East European vole <i>Microtus rossiaemeridionalis</i> . <i>Chromosome Research</i> , 1998, 6, 351-360.	1.0	26
35	The role of Xist in the regulation of X chromosome inactivation. <i>Genetical Research</i> , 1998, 72, 59-72.	0.3	0
36	Heterochromatin as a factor affecting X-inactivation in interspecific female vole hybrids (<i>Microtidae</i> ,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	0.3	21