

Alex L Bortvin

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,973
citations

430874

18
h-index

677142

22
g-index

28
all docs

28
docs citations

28
times ranked

2646
citing authors

#	ARTICLE	IF	CITATIONS
1	Incomplete reactivation of Oct4-related genes in mouse embryos cloned from somatic nuclei. <i>Development (Cambridge)</i> , 2003, 130, 1673-1680.	2.5	406
2	Mouse Maelstrom, a Component of Nuage, Is Essential for Spermatogenesis and Transposon Repression in Meiosis. <i>Developmental Cell</i> , 2008, 15, 285-297.	7.0	303
3	Cytoplasmic Compartmentalization of the Fetal piRNA Pathway in Mice. <i>PLoS Genetics</i> , 2009, 5, e1000764.	3.5	252
4	A Role for Retrotransposon LINE-1 in Fetal Oocyte Attrition in Mice. <i>Developmental Cell</i> , 2014, 29, 521-533.	7.0	189
5	Dppa3 / Pgc7 / stella is a maternal factor and is not required for germ cell specification in mice. <i>BMC Developmental Biology</i> , 2004, 4, 2.	2.1	123
6	piRNAs, transposon silencing, and germline genome integrity. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 714, 95-104.	1.0	95
7	Optimized flow cytometry isolation of murine spermatocytes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 556-565.	1.5	95
8	Reduced pachytene piRNA and translation underlie spermiogenic arrest in Maelstrom mutant mice. <i>EMBO Journal</i> , 2014, 33, 1999-2019.	7.8	90
9	Intact piRNA pathway prevents L1 mobilization in male meiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5635-E5644.	7.1	81
10	Intracellular Detection of Cytosine Incorporation in Genomic DNA by Using 5-Ethynyl-2-Deoxythymine. <i>ChemBioChem</i> , 2011, 12, 2184-2190.	2.6	41
11	Maximizing the ovarian reserve in mice by evading LINE-1 genotoxicity. <i>Nature Communications</i> , 2020, 11, 330.	12.8	41
12	Transient reduction of DNA methylation at the onset of meiosis in male mice. <i>Epigenetics and Chromatin</i> , 2018, 11, 15.	3.9	40
13	Transient relaxation of transposon silencing at the onset of mammalian meiosis. <i>Epigenetics</i> , 2009, 4, 76-79.	2.7	39
14	Wt1 functions in the development of germ cells in addition to somatic cell lineages of the testis. <i>Developmental Biology</i> , 2004, 268, 429-440.	2.0	35
15	A Whole-Mount Approach for Accurate Quantitative and Spatial Assessment of Fetal Oocyte Dynamics in Mice. <i>Biology of Reproduction</i> , 2015, 93, 113.	2.7	27
16	Differential splicing creates a diversity of transcripts from a neurospecific developmentally regulated gene encoding a protein with new zinc-finger motifs. <i>Nucleic Acids Research</i> , 1992, 20, 5579-5585.	14.5	25
17	Flow Cytometry of Murine Spermatocytes. <i>Current Protocols in Cytometry</i> , 2015, 72, 7.44.1-7.44.24.	3.7	20
18	Bodies of evidence: compartmentalization of the piRNA pathway in mouse fetal prospermatogonia. <i>Current Opinion in Cell Biology</i> , 2010, 22, 752-757.	5.4	19

#	ARTICLE	IF	CITATIONS
19	A Unique HMG-Box Domain of Mouse Maelstrom Binds Structured RNA but Not Double Stranded DNA. PLoS ONE, 2015, 10, e0120268.	2.5	15
20	Defending the Genome in Tudor Style. Developmental Cell, 2009, 17, 745-746.	7.0	14
21	Synaptonemal Complex Length Variation in Wild-Type Male Mice. Genes, 2010, 1, 505-520.	2.4	14
22	DjPiwiB: A Rich Nuclear Inheritance for Descendants of Planarian Stem Cells. Developmental Cell, 2016, 37, 204-206.	7.0	5
23	Epigenetics and Transposon Control in the Mammalian Germline. , 2017, , 1-33.		3
24	De novo DNA Methylation: Who's Your DADdy?. Trends in Genetics, 2019, 35, 785-787.	6.7	0