

Bernhard Payer

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

4,348
citations

377584

21
h-index

536525

29
g-index

38
all docs

38
docs citations

38
times ranked

7141
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled X-chromosome dynamics defines meiotic potential of female mouse <i>in vitro</i> germ cells. <i>EMBO Journal</i> , 2022, 41, .	3.5	13
2	Single human oocyte transcriptome analysis reveals distinct maturation stage-dependent pathways impacted by age. <i>Aging Cell</i> , 2021, 20, e13360.	3.0	43
3	Chromosome compartments on the inactive X guide TAD formation independently of transcription during X-reactivation. <i>Nature Communications</i> , 2021, 12, 3499.	5.8	29
4	Dynamics of alternative splicing during somatic cell reprogramming reveals functions for RNA-binding proteins CPSF3, hnRNP UL1, and TIA1. <i>Genome Biology</i> , 2021, 22, 171.	3.8	12
5	A conserved expression signature predicts growth rate and reveals cell & lineage-specific differences. <i>PLoS Computational Biology</i> , 2021, 17, e1009582.	1.5	4
6	Editorial: Gene Regulation From the X-Chromosome During Development and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 272.	1.8	0
7	PRDM14 controls X-chromosomal and global epigenetic reprogramming of H3K27me3 in migrating mouse primordial germ cells. <i>Epigenetics and Chromatin</i> , 2019, 12, 38.	1.8	27
8	Screen for reactivation of MeCP2 on the inactive X chromosome identifies the BMP/TGF- β 2 superfamily as a regulator of XIST expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1619-1624.	3.3	51
9	Epigenetic Regulation of X-Chromosome Inactivation. , 2017, , 113-158.		2
10	X-chromosome activity in naive human pluripotent stem cells—are we there yet?. <i>Stem Cell Investigation</i> , 2017, 4, 54-54.	1.3	10
11	Genome-wide identification of autosomal genes with allelic imbalance of chromatin state. <i>PLoS ONE</i> , 2017, 12, e0182568.	1.1	16
12	Developmental regulation of X-chromosome inactivation. <i>Seminars in Cell and Developmental Biology</i> , 2016, 56, 88-99.	2.3	46
13	A high-throughput small molecule screen identifies synergism between DNA methylation and Aurora kinase pathways for X reactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14366-14371.	3.3	25
14	EPOP Functionally Links Elongin and Polycomb in Pluripotent Stem Cells. <i>Molecular Cell</i> , 2016, 64, 645-658.	4.5	117
15	A comprehensive Xist interactome reveals cohesin repulsion and an RNA-directed chromosome conformation. <i>Science</i> , 2015, 349, .	6.0	397
16	Allelic Imbalance Is a Prevalent and Tissue-Specific Feature of the Mouse Transcriptome. <i>Genetics</i> , 2015, 200, 537-549.	1.2	38
17	<i>Xist</i> imprinting is promoted by the hemizygous (unpaired) state in the male germ line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14415-14422.	3.3	22
18	Coupling of X-Chromosome reactivation with the pluripotent stem cell state. <i>RNA Biology</i> , 2014, 11, 798-807.	1.5	32

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19	Tsix RNA and the Germline Factor, PRDM14, Link X Reactivation and Stem Cell Reprogramming. Molecular Cell, 2013, 52, 805-818.	4.5	96
20	Molecular Signatures of Human Induced Pluripotent Stem Cells Highlight Sex Differences and Cancer Genes. Cell Stem Cell, 2012, 11, 75-90.	5.2	143
21	An <i>ex Vivo</i> Model for Imprinting: Mutually Exclusive Binding of Cdx2 and Oct4 as a Switch for Imprinted and Random X-Inactivation. Genetics, 2012, 192, 857-868.	1.2	19
22	X-inactivation and X-reactivation: epigenetic hallmarks of mammalian reproduction and pluripotent stem cells. Human Genetics, 2011, 130, 265-280.	1.8	58
23	Two-Step Imprinted X Inactivation: Repeat versus Genic Silencing in the Mouse. Molecular and Cellular Biology, 2010, 30, 3187-3205.	1.1	115
24	Mst1 and Mst2 Maintain Hepatocyte Quiescence and Suppress Hepatocellular Carcinoma Development through Inactivation of the Yap1 Oncogene. Cancer Cell, 2009, 16, 425-438.	7.7	809
25	X Chromosome Dosage Compensation: How Mammals Keep the Balance. Annual Review of Genetics, 2008, 42, 733-772.	3.2	453
26	Generation of stella-GFP transgenic mice: A novel tool to study germ cell development. Genesis, 2006, 44, 75-83.	0.8	150
27	Germline Recruitment in Mice: A Genetic Program for Epigenetic Reprogramming. , 2006, , 143-174.		8
28	Blimp1 is a critical determinant of the germ cell lineage in mice. Nature, 2005, 436, 207-213.	13.7	915
29	Blimp1 and the Emergence of the Germ Line during Development in the Mouse. Cell Cycle, 2005, 4, 1736-1740.	1.3	78
30	stella Is a Maternal Effect Gene Required for Normal Early Development in Mice. Current Biology, 2003, 13, 2110-2117.	1.8	352
31	In Vivo Time-Lapse Imaging of Cell Divisions during Neurogenesis in the Developing Zebrafish Retina. Neuron, 2003, 37, 597-609.	3.8	183
32	Specification of germ cell fate in mice. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 1363-1370.	1.8	82