

Bernhard G Herrmann

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

4,844
citations

257101

24
h-index

315357

38
g-index

41
all docs

41
docs citations

41
times ranked

5761
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of long noncoding RNA function in development and disease. Cellular and Molecular Life Sciences, 2016, 73, 2491-2509.	2.4	831
2	Cloning of the T gene required in mesoderm formation in the mouse. Nature, 1990, 343, 617-622.	13.7	818
3	Expression pattern of the mouse T gene and its role in mesoderm formation. Nature, 1990, 343, 657-659.	13.7	799
4	Brachyury is a target gene of the Wnt/ β -catenin signaling pathway. Mechanisms of Development, 2000, 91, 249-258.	1.7	269
5	Segmentation in vertebrates: clock and gradient finally joined. Genes and Development, 2004, 18, 2060-2067.	2.7	194
6	Mouse embryonic stem cells self-organize into trunk-like structures with neural tube and somites. Science, 2020, 370, .	6.0	193
7	A protein kinase encoded by the t complex responder gene causes non-mendelian inheritance. Nature, 1999, 402, 141-146.	13.7	166
8	The long non-coding RNA <i>Fendrr</i> links epigenetic control mechanisms to gene regulatory networks in mammalian embryogenesis. RNA Biology, 2013, 10, 1579-1585.	1.5	158
9	WNT signaling, in synergy with T/TBX6, controls Notch signaling by regulating Dll1 expression in the presomitic mesoderm of mouse embryos. Genes and Development, 2004, 18, 2712-2717.	2.7	153
10	Antagonistic Activities of Sox2 and Brachyury Control the Fate Choice of Neuro-Mesodermal Progenitors. Developmental Cell, 2017, 42, 514-526.e7.	3.1	139
11	Whole-exome resequencing reveals recessive mutations in TRAP1 in individuals with CAKUT and VACTERL association. Kidney International, 2014, 85, 1310-1317.	2.6	106
12	Expression of <i>Msgn1</i> in the presomitic mesoderm is controlled by synergism of WNT signalling and <i>Tbx6</i> . EMBO Reports, 2007, 8, 784-789.	2.0	88
13	The t complex-encoded GTPase-activating protein Tagap1 acts as a transmission ratio distorter in mice. Nature Genetics, 2005, 37, 969-973.	9.4	80
14	ImmunoChip SNP array identifies novel genetic variants conferring susceptibility to candidaemia. Nature Communications, 2014, 5, 4675.	5.8	76
15	Distinct regulatory control of the Brachyury gene in axial and non-axial mesoderm suggests separation of mesoderm lineages early in mouse gastrulation. Mechanisms of Development, 1996, 56, 139-149.	1.7	72
16	Cell type-dependent differential activation of ERK by oncogenic KRAS in colon cancer and intestinal epithelium. Nature Communications, 2019, 10, 2919.	5.8	70
17	The t-complex-encoded guanine nucleotide exchange factor Fgd2 reveals that two opposing signaling pathways promote transmission ratio distortion in the mouse. Genes and Development, 2007, 21, 143-147.	2.7	69
18	Long noncoding RNAs in organogenesis: making the difference. Trends in Genetics, 2015, 31, 329-335.	2.9	68

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19	In vivo knockdown of Brachyury results in skeletal defects and urorectal malformations resembling caudal regression syndrome. <i>Developmental Biology</i> , 2012, 372, 55-67.	0.9	48
20	Retention of gene products in syncytial spermatids promotes non-Mendelian inheritance as revealed by the <i>t</i> complex responder. <i>Genes and Development</i> , 2009, 23, 2705-2710.	2.7	46
21	Upk3b Is Dispensable for Development and Integrity of Urothelium and Mesothelium. <i>PLoS ONE</i> , 2014, 9, e112112.	1.1	42
22	Genome-wide Association Study and Meta-Analysis Identify ISL1 as Genome-wide Significant Susceptibility Gene for Bladder Exstrophy. <i>PLoS Genetics</i> , 2015, 11, e1005024.	1.5	41
23	The Nucleoside Diphosphate Kinase Gene Nme3 Acts as Quantitative Trait Locus Promoting Non-Mendelian Inheritance. <i>PLoS Genetics</i> , 2012, 8, e1002567.	1.5	38
24	Oncogenic β -catenin and PIK3CA instruct network states and cancer phenotypes in intestinal organoids. <i>Journal of Cell Biology</i> , 2017, 216, 1567-1577.	2.3	29
25	An inducible RNA interference system for the functional dissection of mouse embryogenesis. <i>Nucleic Acids Research</i> , 2010, 38, e122-e122.	6.5	25
26	Different Concentrations of FGF Ligands, FGF2 or FGF8 Determine Distinct States of WNT-Induced Presomitic Mesoderm. <i>Stem Cells</i> , 2016, 34, 1790-1800.	1.4	23
27	BRACHYURY directs histone acetylation to target loci during mesoderm development. <i>EMBO Reports</i> , 2018, 19, 118-134.	2.0	23
28	The mouse <i>t</i> -haplotype. , 2012, , 297-314.		22
29	Wnt and BMP signals control intestinal adenoma cell fates. <i>International Journal of Cancer</i> , 2012, 131, 2242-2252.	2.3	21
30	Genome-wide association study and mouse expression data identify a highly conserved 32 kb intergenic region between WNT3 and WNT9b as possible susceptibility locus for isolated classic exstrophy of the bladder. <i>Human Molecular Genetics</i> , 2014, 23, 5536-5544.	1.4	19
31	Modeling mammalian trunk development in a dish. <i>Developmental Biology</i> , 2021, 474, 5-15.	0.9	18
32	Two isoforms of the RAC-specific guanine nucleotide exchange factor TIAM2 act oppositely on transmission ratio distortion by the mouse <i>t</i> -haplotype. <i>PLoS Genetics</i> , 2019, 15, e1007964.	1.5	17
33	SRF is essential for mesodermal cell migration during elongation of the embryonic body axis. <i>Mechanisms of Development</i> , 2014, 133, 23-35.	1.7	14
34	Patterning and gastrulation defects caused by the <i>tw18</i> lethal are due to loss of <i>Ppp2r1a</i> . <i>Biology Open</i> , 2017, 6, 752-764.	0.6	14
35	Analysis of the Fam181 gene family during mouse development reveals distinct strain-specific expression patterns, suggesting a role in nervous system development and function. <i>Gene</i> , 2016, 575, 438-451.	1.0	13
36	RAC1 controls progressive movement and competitiveness of mammalian spermatozoa. <i>PLoS Genetics</i> , 2021, 17, e1009308.	1.5	9

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37	A 37â€¦.kb region upstream of <i>brachyury</i> comprising a notochord enhancer is essential for notochord and tail development. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	9
38	An Image-Based Genetic Assay Identifies Genes in T1D Susceptibility Loci Controlling Cellular Antiviral Immunity in Mouse. <i>PLoS ONE</i> , 2014, 9, e108777.	1.1	6
39	Generation of Mouse Pluripotent Stem Cell-derived Trunk-like Structures: An in vitro Model of Post-implantation Embryogenesis. <i>Bio-protocol</i> , 2021, 11, e4042.	0.2	3
40	PWD/Ph-Encoded Genetic Variants Modulate the Cellular Wnt/ β 2-Catenin Response to Suppress <i>Apc</i> Min-Triggered Intestinal Tumor Formation. <i>Cancer Research</i> , 2021, 81, 38-49.	0.4	0