

Ian R. Adams

List of Publications by Year in descending order

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49
papers

3,620
citations

201674

27
h-index

197818

49
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59
all docs

59
docs citations

59
times ranked

5966
citing authors

#	ARTICLE	IF	CITATIONS
1	RIF1 Is Essential for 53BP1-Dependent Nonhomologous End Joining and Suppression of DNA Double-Strand Break Resection. <i>Molecular Cell</i> , 2013, 49, 858-871.	9.7	543
2	The RNA-Editing Enzyme ADAR1 Controls Innate Immune Responses to RNA. <i>Cell Reports</i> , 2014, 9, 1482-1494.	6.4	508
3	Redistribution of H3K27me3 upon DNA hypomethylation results in de-repression of Polycomb target genes. <i>Genome Biology</i> , 2013, 14, R25.	9.6	200
4	Localization of Core Spindle Pole Body (SPB) Components during SPB Duplication in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 1999, 145, 809-823.	5.2	186
5	The impact of transposable elements on mammalian development. <i>Development (Cambridge)</i> , 2016, 143, 4101-4114.	2.5	161
6	The E3 ubiquitin ligase activity of RING1B is not essential for early mouse development. <i>Genes and Development</i> , 2015, 29, 1897-1902.	5.9	142
7	Oocyte development, meiosis and aneuploidy. <i>Seminars in Cell and Developmental Biology</i> , 2015, 45, 68-76.	5.0	136
8	Promoter DNA methylation couples genome-defence mechanisms to epigenetic reprogramming in the mouse germline. <i>Development (Cambridge)</i> , 2012, 139, 3623-3632.	2.5	130
9	Spindle pole body duplication: a model for centrosome duplication?. <i>Trends in Cell Biology</i> , 2000, 10, 329-335.	7.9	117
10	RSPO1/ β -Catenin Signaling Pathway Regulates Oogonia Differentiation and Entry into Meiosis in the Mouse Fetal Ovary. <i>PLoS ONE</i> , 2011, 6, e25641.	2.5	110
11	Germ cell sex determination in mammals. <i>Molecular Human Reproduction</i> , 2009, 15, 205-213.	2.8	101
12	Defending the genome from the enemy within: mechanisms of retrotransposon suppression in the mouse germline. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 1581-1605.	5.4	99
13	The Role of Exogenous Fibroblast Growth Factor-2 on the Reprogramming of Primordial Germ Cells into Pluripotent Stem Cells. <i>Stem Cells</i> , 2006, 24, 1441-1449.	3.2	94
14	DNA Methylation Directs Polycomb-Dependent 3D Genome Re-organization in Naive Pluripotency. <i>Cell Reports</i> , 2019, 29, 1974-1985.e6.	6.4	76
15	Mouse ANKRD31 Regulates Spatiotemporal Patterning of Meiotic Recombination Initiation and Ensures Recombination between X and Y Sex Chromosomes. <i>Molecular Cell</i> , 2019, 74, 1069-1085.e11.	9.7	74
16	Deletion of the Pluripotency-Associated <i>Tex19.1</i> Gene Causes Activation of Endogenous Retroviruses and Defective Spermatogenesis in Mice. <i>PLoS Genetics</i> , 2008, 4, e1000199.	3.5	68
17	<i>Sdmg1</i> is a conserved transmembrane protein associated with germ cell sex determination and germline-soma interactions in mice. <i>Development (Cambridge)</i> , 2008, 135, 1415-1425.	2.5	68
18	Microarray Analysis of LTR Retrotransposon Silencing Identifies <i>Hdac1</i> as a Regulator of Retrotransposon Expression in Mouse Embryonic Stem Cells. <i>PLoS Computational Biology</i> , 2012, 8, e1002486.	3.2	64

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19	Lsh regulates LTR retrotransposon repression independently of Dnmt3b function. <i>Genome Biology</i> , 2013, 14, R146.	9.6	54
20	Identification and characterisation of mRif1: A mouse telomere-associated protein highly expressed in germ cells and embryo-derived pluripotent stem cells. <i>Developmental Dynamics</i> , 2004, 229, 733-744.	1.8	51
21	A slow transcription rate causes embryonic lethality and perturbs kinetic coupling of neuronal genes. <i>EMBO Journal</i> , 2019, 38, .	7.8	46
22	<i>SPC72</i> : a spindle pole component required for spindle orientation in the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Science</i> , 1998, 111, 2809-2818.	2.0	45
23	Mobilization of LINE-1 retrotransposons is restricted by Tex19.1 in mouse embryonic stem cells. <i>ELife</i> , 2017, 6, .	6.0	43
24	The Role of Chromatin Modifications in Progression through Mouse Meiotic Prophase. <i>Journal of Genetics and Genomics</i> , 2014, 41, 97-106.	3.9	40
25	The genome-defence gene Tex19.1 suppresses LINE-1 retrotransposons in the placenta and prevents intra-uterine growth retardation in mice. <i>Human Molecular Genetics</i> , 2013, 22, 1791-1806.	2.9	37
26	KDM3A coordinates actin dynamics with intraflagellar transport to regulate cilia stability. <i>Journal of Cell Biology</i> , 2017, 216, 999-1013.	5.2	33
27	A sensitive and affordable multiplex RT-qPCR assay for SARS-CoV-2 detection. <i>PLoS Biology</i> , 2020, 18, e3001030.	5.6	32
28	Meiosis and retrotransposon silencing during germ cell development in mice. <i>Differentiation</i> , 2010, 79, 147-158.	1.9	30
29	Kdm3a lysine demethylase is an Hsp90 client required for cytoskeletal rearrangements during spermatogenesis. <i>Molecular Biology of the Cell</i> , 2014, 25, 1216-1233.	2.1	29
30	HSP70-binding protein HSPBP1 regulates chaperone expression at a posttranslational level and is essential for spermatogenesis. <i>Molecular Biology of the Cell</i> , 2014, 25, 2260-2271.	2.1	25
31	Tex19.1 promotes Spo11-dependent meiotic recombination in mouse spermatocytes. <i>PLoS Genetics</i> , 2017, 13, e1006904.	3.5	25
32	Nucleo-cytoplasmic shuttling of splicing factor SRSF1 is required for development and cilia function. <i>ELife</i> , 2021, 10, .	6.0	25
33	Is there a role for DAZL in human female fertility?. <i>Molecular Human Reproduction</i> , 2016, 22, 377-383.	2.8	24
34	RNA immunoprecipitation identifies novel targets of DAZL in human foetal ovary. <i>Molecular Human Reproduction</i> , 2017, 23, 177-186.	2.8	24
35	An ancient germ cell-specific RNA-binding protein protects the germline from cryptic splice site poisoning. <i>ELife</i> , 2019, 8, .	6.0	22
36	Etoposide damages female germ cells in the developing ovary. <i>BMC Cancer</i> , 2016, 16, 482.	2.6	19

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37	A tight control of Rif1 by Oct4 and Smad3 is critical for mouse embryonic stem cell stability. <i>Cell Death and Disease</i> , 2015, 6, e1588-e1588.	6.3	18
38	Sdmg1 is a component of secretory granules in mouse secretory exocrine tissues. <i>Developmental Dynamics</i> , 2009, 238, 223-231.	1.8	13
39	Large-scale chromatin organisation in interphase, mitosis and meiosis. <i>Biochemical Journal</i> , 2019, 476, 2141-2156.	3.7	13
40	Dazl determines primordial follicle formation through the translational regulation of Tex14. <i>FASEB Journal</i> , 2019, 33, 14221-14233.	0.5	13
41	The Tissue-Specific Rep8/UBXD6 Tethers p97 to the Endoplasmic Reticulum Membrane for Degradation of Misfolded Proteins. <i>PLoS ONE</i> , 2011, 6, e25061.	2.5	12
42	Defects in meiotic recombination delay progression through pachytene in Tex19.1 ^{+/+} mouse spermatocytes. <i>Chromosoma</i> , 2018, 127, 437-459.	2.2	12
43	RNA splicing is a key mediator of tumour cell plasticity and a therapeutic vulnerability in colorectal cancer. <i>Nature Communications</i> , 2022, 13, 2791.	12.8	11
44	From Paramutation to Paradigm. <i>PLoS Genetics</i> , 2013, 9, e1003537.	3.5	8
45	Meiotic Cells Counteract Programmed Retrotransposon Activation via RNA-Binding Translational Repressor Assemblies. <i>Developmental Cell</i> , 2021, 56, 22-35.e7.	7.0	8
46	Activation of transcription factor circuitry in 2i-induced ground state pluripotency is independent of repressive global epigenetic landscapes. <i>Nucleic Acids Research</i> , 2020, 48, 7748-7766.	14.5	5
47	Tex19.1 inhibits the N-end rule pathway and maintains acetylated SMC3 cohesin and sister chromatid cohesion in oocytes. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	5
48	KRABs Regulate Gene Expression beyond the Embryo. <i>Developmental Cell</i> , 2016, 36, 591-592.	7.0	4
49	Cycling mouse oocytes through meiosis. <i>Cell Cycle</i> , 2010, 9, 642-651.	2.6	1