Andy Greenfield

List of Publications by Year
in descending order

72 papers	4,596 citations	109137 35 h-index	102304 66 g-index
79 all docs	79 docs citations	79 times ranked	6040 citing authors

#	Article	IF	Citations
1	The Sry-related gene Sox9 is expressed during chondrogenesis in mouse embryos. Nature Genetics, 1995, 9, 15-20.	9.4	627
2	The UTX gene escapes X inactivation in mice and humans. Human Molecular Genetics, 1998, 7, 737-742.	1.4	218
3	An Hâ€“YDb epitope is encoded by a novel mouse Y chromosome gene. Nature Genetics, 1996, 14, 474-478.	9.4	176
4	Expression of a linear Sry transcript in the mouse genital ridge. Nature Genetics, 1995, 10, 480-482.	9.4	165
5	Pkd1l1 establishes left-right asymmetry and physically interacts with Pkd2. Development (Cambridge), 2011, 138, 1131-1142.	1.2	156
6	Mutations in MAP3K1 Cause 46,XY Disorders of Sex Development and Implicate a Common Signal Transduction Pathway in Human Testis Determination. American Journal of Human Genetics, 2010, 87, 898-904.	2.6	155
7	SCRIB expression is deregulated in human prostate cancer, and its deficiency in mice promotes prostate neoplasia. Journal of Clinical Investigation, 2011, 121, 4257-4267.	3.9	153
8	A gene-driven ENU-based approach to generating an allelic series in any gene. Mammalian Genome, 2004, 15, 585-591.	1.0	148
9	The PCP genes Celsr1 and Vangl2 are required for normal lung branching morphogenesis. Human Molecular Genetics, 2010, 19, 2251-2267.	1.4	146
10	Secreted frizzled-related protein 5 suppresses adipocyte mitochondrial metabolism through WNT inhibition. Journal of Clinical Investigation, 2012, 122, 2405-2416.	3.9	141
11	Dissecting Cell Lineage Specification and Sex Fate Determination in Gonadal Somatic Cells Using Single-Cell Transcriptomics. Cell Reports, 2019, 26, 3272-3283.e3.	2.9	137
12	ISSCR Guidelines for Stem Cell Research and Clinical Translation: The 2021 update. Stem Cell Reports, 2021, 16, 1398-1408.	2.3	134
13	Loss of Mitogen-Activated Protein Kinase Kinase Kinase 4 (MAP3K4) Reveals a Requirement for MAPK Signalling in Mouse Sex Determination. PLoS Biology, 2009, 7, e1000196.	2.6	130
14	Regulation of hepatic metabolic pathways by the orphan nuclear receptor SHP. EMBO Journal, 2005, 24, 2624-2633.	3.5	129
15	Gadd45Î³ and Map3k4 Interactions Regulate Mouse Testis Determination via p38 MAPK-Mediated Control of Sry Expression. Developmental Cell, 2012, 23, 1020-1031.	3.1	122
16	Zic2 is required for neural crest formation and hindbrain patterning during mouse development. Developmental Biology, 2003, 264, 391-406.	0.9	107
17	The Mouse Y Chromosome Interval Necessary for Spermatogonial Proliferation is Gene Dense with Syntenic Homology to the Human AZFa Region. Human Molecular Genetics, 1998, 7, 1713-1724.	1.4	96
18	Mouse hitchhiker mutants have spina bifida, dorso-ventral patterning defects and polydactyly: identification of Tulp3 as a novel negative regulator of the Sonic hedgehog pathway. Human Molecular Genetics, 2009, 18, 1719-1739.	1.4	88

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19	SW-ARRAY: a dynamic programming solution for the identification of copy-number changes in genomic DNA using array comparative genome hybridization data. Nucleic Acids Research, 2005, 33, 3455-3464.	6.5	87
20	Assisted reproductive technologies to prevent human mitochondrial disease transmission. Nature Biotechnology, 2017, 35, 1059-1068.	9.4	87
21	Sfrp1 and Sfrp2 are required for normal male sexual development in mice. Developmental Biology, 2009, 326, 273-284.	0.9	84
22	Genetic analyses reveal a requirement for Dicer1 in the mouse urogenital tract. Mammalian Genome, 2009, 20, 140-151.	1.0	82
23	Cloning, Mapping, and Expression Analysis of a Gene Encoding a Novel Mammalian EGF-Related Protein (SCUBE1). Genomics, 2000, 70, 74-81.	1.3	72
24	Scribble is required for normal epithelial cellâ€“cell contacts and lumen morphogenesis in the mammalian lung. Developmental Biology, 2013, 373, 267-280.	0.9	71
25	Haploinsufficiency of the murine Col3a1 locus causes aortic dissection: a novel model of the vascular type of Ehlersâ€“Danlos syndrome. Cardiovascular Research, 2011, 90, 182-190.	1.8	68
26	Characterizing the bipotential mammalian gonad. Current Topics in Developmental Biology, 2019, 134, 167-194.	1.0	63
27	ZNRF3 functions in mammalian sex determination by inhibiting canonical WNT signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5474-5479.	3.3	62
28	Single primer amplification (SPA) of cDNA for microarray expression analysis. Nucleic Acids Research, 2003, 31, 9e-9.	6.5	55
29	Minor Abnormalities of Testis Development in Mice Lacking the Gene Encoding the MAPK Signalling Component, MAP3K1. PLoS ONE, 2011, 6, e19572.	1.1	55
30	Groucho/transducin-like Enhancer of split (TLE) family members interact with the yeast transcriptional co-repressor SSN6 and mammalian SSN6-related proteins: implications for evolutionary conservation of transcription repression mechanisms. Biochemical Journal, 1999, 337, 13-17.	1.7	51
31	The molecular and cellular basis of gonadal sex reversal in mice and humans. Wiley Interdisciplinary Reviews: Developmental Biology, 2012, 1, 559-577.	5.9	51
32	DNA microarrays and development. Human Molecular Genetics, 2003, 12, 1R-8.	1.4	45
33	Expression of a novel mammalian epidermal growth factor-related gene during mouse neural development. Mechanisms of Development, 2001, 102, 209-211.	1.7	44
34	Sexually dimorphic expression of Gata-2 during mouse gonad development. Mechanisms of Development, 2002, 111, 159-162.	1.7	42
35	Loss of p300 and CBP disrupts histone acetylation at the mouse Sry promoter and causes XY gonadal sex reversal. Human Molecular Genetics, 2018, 27, 190-198.	1.4	39
36	Novel gene expression patterns along the proximo-distal axis of the mouse embryo before gastrulation. BMC Developmental Biology, 2007, 7, 8.	2.1	34

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37	Pathogenic variants in the DEAH-box RNA helicase DHX37 are a frequent cause of 46,XY gonadal dysgenesis and 46,XY testicular regression syndrome. Genetics in Medicine, 2020, 22, 150-159.	1.1	34
38	Origin, specification and differentiation of a rare supporting-like lineage in the developing mouse gonad. Science Advances, 2022, 8, .	4.7	32
39	Addressing gaps in care of people with conditions affecting sex development and maturation. Nature Reviews Endocrinology, 2019, 15, 615-622.	4.3	30
40	Dissecting the genetic complexity of human 6p deletion syndromes by using a region-specific, phenotype-driven mouse screen. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12477-12482.	3.3	28
41	A Novel Mouse Fgfr2 Mutant, Hobbyhorse (hob), Exhibits Complete XY Gonadal Sex Reversal. PLoS ONE, 2014, 9, e100447.	1.1	26
42	Candidate testis-determining gene, Maestro (Mro), encodes a novel HEAT repeat protein. Developmental Dynamics, 2003, 227, 600-607.	0.8	25
43	Transgenic expression of Map3k4 rescues T-associated sex reversal (Tas) in mice. Human Molecular Genetics, 2014, 23, 3035-3044.	1.4	24
44	Genetic Disruption of 21-Hydroxylase in Zebrafish Causes Interrenal Hyperplasia. Endocrinology, 2017, 158, 4165-4173.	1.4	24
45	Characterising Novel Pathways in Testis Determination Using Mouse Genetics. Sexual Development, 2014, 8, 199-207.	1.1	23
46	Sexually dimorphic expression of secreted frizzled-related (SFRP) genes in the developing mouse MÃ¼llerian duct. Molecular Reproduction and Development, 2006, 73, 1008-1016.	1.0	21
47	Groucho/transducin-like Enhancer of split (TLE) family members interact with the yeast transcriptional co-repressor SSN6 and mammalian SSN6-related proteins: implications for evolutionary conservation of transcription repression mechanisms. Biochemical Journal, 1999, 337, 13.	1.7	20
48	Genetic Analyses Reveal Functions for MAP2K3 and MAP2K6 in Mouse Testis Determination1. Biology of Reproduction, 2016, 94, 103.	1.2	18
49	1 Sry and Mammalian Sex Determination. Current Topics in Developmental Biology, 1996, 34, 1-23.	1.0	17
50	Arrest of WNT/Î²-catenin signaling enables the transition from pluripotent to differentiated germ cells in mouse ovaries. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	17
51	Understanding sex determination in the mouse: genetics, epigenetics and the story of mutual antagonisms. Journal of Genetics, 2015, 94, 585-590.	0.4	16
52	Applications of DNA microarrays to the transcriptional analysis of mammalian genomes. Mammalian Genome, 2000, 11, 609-613.	1.0	14
53	The Gonadal Supporting Cell Lineage and Mammalian Sex Determination: The Differentiation of Sertoli and Granulosa Cells. Results and Problems in Cell Differentiation, 2016, 58, 47-66.	0.2	14
54	ENU mutagenesis as a tool for understanding lung development and disease. Biochemical Society Transactions, 2009, 37, 838-842.	1.6	12

#	Article	IF	Citations
55	Carry on editing. British Medical Bulletin, 2018, 127, 23-31.	2.7	10
56	Editing mammalian genomes: ethical considerations. Mammalian Genome, 2017, 28, 388-393.	1.0	8
57	Male mice lacking ADAMTS-16 are fertile but exhibit testes of reduced weight. Scientific Reports, 2019, 9, 17195.	1.6	8
58	The Maestro (Mro) Gene Is Dispensable for Normal Sexual Development and Fertility in Mice. PLoS ONE, 2008, 3, e4091.	1.1	7
59	Protection Against XY Gonadal Sex Reversal by a Variant Region on Mouse Chromosome 13. Genetics, 2020, 214, 467-477.	1.2	6
60	Genes, cells and organs: recent developments in the molecular genetics of mammalian sex determination. Mammalian Genome, 1998, 9, 683-687.	1.0	5
61	Using DNA Microarrays. Methods in Molecular Biology, 2008, 461, 605-629.	0.4	5
62	Gadd45g is required for timely Sry expression independently of RSPO1 activity. Reproduction, 2022, 163, 333-340.	1.1	5
63	LIMaS: the JAVA-based application and database for microarray experiment tracking. Mammalian Genome, 2004, 15, 740-747.	1.0	4
64	CRISPR-Cas9-Mediated Mutagenesis: Mind the Gap?. CRISPR Journal, 2018, 1, 263-264.	1.4	3
65	Making sense of heritable human genome editing: Scientific and ethical considerations. Progress in Molecular Biology and Translational Science, 2021, 182, 1-28.	0.9	3
66	The molecular genetic basis of fetal granulosa cell development. Current Opinion in Endocrine and Metabolic Research, 2021, 18, 1-7.	0.6	3
67	Characterisation and use of a functional Gadd45g bacterial artificial chromosome. Scientific Reports, 2018, 8, 17318.	1.6	2
68	Cloning, mitochondrial replacement and genome editing: 25 years of ethical debate since Dolly. Reproduction, 2021, 162, F69-F78.	1.1	2
69	Sexual development. , 2013, , 8-17.		1
70	Broad-spectrum XX and XY gonadal dysgenesis in patients with a homozygous L193S variant in PPP2R3C. European Journal of Endocrinology, 2021, 186, 65-72.	1.9	1
71	The Reproductive System. , 2016, , 121-132.		0
72	The Molecular Control of Testis Determination. , 2018, , 93-99.		0