

Elizabeth M Simpson

List of Publications by Year in descending order

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69
papers

8,255
citations

147801

31
h-index

88630

70
g-index

73
all docs

73
docs citations

73
times ranked

10349
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequent somatic mutations of GNAQ in uveal melanoma and blue naevi. <i>Nature</i> , 2009, 457, 599-602.	27.8	1,433
2	Mice lacking mitochondrial uncoupling protein are cold-sensitive but not obese. <i>Nature</i> , 1997, 387, 90-94.	27.8	1,251
3	The sex-determining region of the human Y chromosome encodes a finger protein. <i>Cell</i> , 1987, 51, 1091-1104.	28.9	881
4	Selective striatal neuronal loss in a YAC128 mouse model of Huntington disease. <i>Human Molecular Genetics</i> , 2003, 12, 1555-1567.	2.9	713
5	Genetic variation among 129 substrains and its importance for targeted mutagenesis in mice. <i>Nature Genetics</i> , 1997, 16, 19-27.	21.4	666
6	B7-1 and B7-2 Have Overlapping, Critical Roles in Immunoglobulin Class Switching and Germinal Center Formation. <i>Immunity</i> , 1997, 6, 303-313.	14.3	479
7	The mammalian gene function resource: the international knockout mouse consortium. <i>Mammalian Genome</i> , 2012, 23, 580-586.	2.2	292
8	Fierce: a new mouse deletion of Nr2e1; violent behaviour and ocular abnormalities are background-dependent. <i>Behavioural Brain Research</i> , 2002, 132, 145-158.	2.2	118
9	A mouse atlas of gene expression: Large-scale digital gene-expression profiles from precisely defined developing C57BL/6J mouse tissues and cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18485-18490.	7.1	112
10	Interchromosomal recombination of Mll and Af9 genes mediated by cre-loxP in mouse development. <i>EMBO Reports</i> , 2000, 1, 127-132.	4.5	105
11	An essential role for Fas ligand in transplantation tolerance induced by donor bone marrow. <i>Nature Medicine</i> , 1998, 4, 333-335.	30.7	101
12	Caspase-7 Expanded Function and Intrinsic Expression Level Underlies Strain-Specific Brain Phenotype of Caspase-3-Null Mice. <i>Journal of Neuroscience</i> , 2004, 24, 9977-9984.	3.6	92
13	Revised nomenclature for strain 129 mice. <i>Mammalian Genome</i> , 1999, 10, 836-836.	2.2	88
14	Hippi is essential for node cilia assembly and Sonic hedgehog signaling. <i>Developmental Biology</i> , 2006, 300, 523-533.	2.0	86
15	A regulatory toolbox of MiniPromoters to drive selective expression in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16589-16594.	7.1	74
16	The dark phase improves genetic discrimination for some high throughput mouse behavioral phenotyping. <i>Genes, Brain and Behavior</i> , 2004, 3, 167-177.	2.2	73
17	rAAV-compatible MiniPromoters for restricted expression in the brain and eye. <i>Molecular Brain</i> , 2016, 9, 52.	2.6	69
18	Engineering embryonic stem cell derived glia for adenosine delivery. <i>Neuroscience Letters</i> , 2004, 370, 160-165.	2.1	65

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19	Intravitreal delivery of a novel AAV vector targets ON bipolar cells and restores visual function in a mouse model of complete congenital stationary night blindness. <i>Human Molecular Genetics</i> , 2015, 24, 6229-6239.	2.9	60
20	Beyond knockouts: cre resources for conditional mutagenesis. <i>Mammalian Genome</i> , 2012, 23, 587-599.	2.2	57
21	Chromosomal localization of ZFX ^h "A human gene that escapes X inactivation" and its murine homologs. <i>Genomics</i> , 1990, 7, 37-46.	2.9	54
22	An interstitial deletion in mouse Y chromosomal DNA created a transcribed Zfy fusion gene. <i>Genomics</i> , 1991, 11, 601-608.	2.9	54
23	Expression analysis of novel striatal-enriched genes in Huntington disease. <i>Human Molecular Genetics</i> , 2010, 19, 609-622.	2.9	45
24	Targeted CNS delivery using human MiniPromoters and demonstrated compatibility with adeno-associated viral vectors. <i>Molecular Therapy - Methods and Clinical Development</i> , 2014, 1, 5.	4.1	44
25	Pathological Aggression in "Fierce" Mice Corrected by Human Nuclear Receptor 2E1. <i>Journal of Neuroscience</i> , 2005, 25, 6263-6270.	3.6	43
26	HMMR acts in the PLK1-dependent spindle positioning pathway and supports neural development. <i>ELife</i> , 2017, 6, .	6.0	41
27	Next generation tools for high-throughput promoter and expression analysis employing single-copy knock-ins at the Hprt1 locus. <i>Genomics</i> , 2009, 93, 196-204.	2.9	39
28	Initial association of <i>NR2E1</i> with bipolar disorder and identification of candidate mutations in bipolar disorder, schizophrenia, and aggression through resequencing. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2008, 147B, 880-889.	1.7	36
29	Mouse Y-Specific Repeats Isolated by Whole Chromosome Representational Difference Analysis. <i>Genomics</i> , 1996, 36, 349-353.	2.9	34
30	Chromosomal assignment of the genes for proprotein convertases PC4, PC5, and PACE 4 in mouse and human. <i>Genomics</i> , 1995, 26, 123-129.	2.9	32
31	Unexpected embryonic stem (ES) cell mutations represent a concern in gene targeting: Lessons from "fierce" mice. <i>Genesis</i> , 2004, 38, 51-57.	1.6	25
32	Identification of a set of genes showing regionally enriched expression in the mouse brain. <i>BMC Neuroscience</i> , 2008, 9, 66.	1.9	25
33	Human cis-acting elements regulating escape from X-chromosome inactivation function in mouse. <i>Human Molecular Genetics</i> , 2018, 27, 1252-1262.	2.9	23
34	Transgenic mice for the preparation of hygromycin-resistant primary embryonic fibroblast feeder layers for embryonic stem cell selections. <i>Nucleic Acids Research</i> , 1995, 23, 1273-1275.	14.5	22
35	Novel Vertebrate Genes and Putative Regulatory Elements Identified at Kidney Disease and <i>NR2E1/fierce</i> Loci. <i>Genomics</i> , 2002, 80, 45-53.	2.9	22
36	New MiniPromoter Ple345 (<i>NEFL</i>) Drives Strong and Specific Expression in Retinal Ganglion Cells of Mouse and Primate Retina. <i>Human Gene Therapy</i> , 2019, 30, 257-272.	2.7	21

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37	Ferroportin-mediated iron export from vascular endothelial cells in retina and brain. <i>Experimental Eye Research</i> , 2019, 187, 107728.	2.6	19
38	How do genes that escape from X-chromosome inactivation contribute to Turner syndrome?. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2019, 181, 84-91.	1.6	18
39	Human MiniPromoters for ocular-rAAV expression in ON bipolar, cone, corneal, endothelial, Müller glial, and PAX6 cells. <i>Gene Therapy</i> , 2021, 28, 351-372.	4.5	18
40	Intracerebroventricular Administration of AAV9-PHP.B SYN1-EmGFP Induces Widespread Transgene Expression in the Mouse and Monkey Central Nervous System. <i>Human Gene Therapy</i> , 2021, 32, 599-615.	2.7	18
41	Targeting of >1.5 Mb of Human DNA into the Mouse X Chromosome Reveals Presence of cis-Acting Regulators of Epigenetic Silencing. <i>Genetics</i> , 2012, 192, 1281-1293.	2.9	17
42	PAX6 MiniPromoters drive restricted expression from rAAV in the adult mouse retina. <i>Molecular Therapy - Methods and Clinical Development</i> , 2016, 3, 16051.	4.1	17
43	Twenty-Seven Tamoxifen-Inducible iCre-Driver Mouse Strains for Eye and Brain, Including Seventeen Carrying a New Inducible-First Constitutive-Ready Allele. <i>Genetics</i> , 2019, 211, 1155-1177.	2.9	17
44	Germline CRISPR/Cas9-Mediated Gene Editing Prevents Vision Loss in a Novel Mouse Model of Aniridia. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 17, 478-490.	4.1	17
45	Modelling Human Regulatory Variation in Mouse: Finding the Function in Genome-Wide Association Studies and Whole-Genome Sequencing. <i>PLoS Genetics</i> , 2012, 8, e1002544.	3.5	16
46	Absence of mutations in NR2E1 and SNX3 in five patients with MMEP (microcephaly, microphthalmia, Tj ETQq0 0 0, rgt /Overlock 10 T	2.1	15
47	Hyperactivity, startle reactivity and cell proliferation deficits are resistant to chronic lithium treatment in adult <i>Nr2e1</i> ^{frf/frf} mice. <i>Genes, Brain and Behavior</i> , 2010, 9, 681-694.	2.2	15
48	A novel mouse model for pyridoxine-dependent epilepsy due to antiquitin deficiency. <i>Human Molecular Genetics</i> , 2020, 29, 3266-3284.	2.9	15
49	Metaphase FISHing of transgenic mice recommended: FISH and SKY define BAC-mediated balanced translocation. <i>Genesis</i> , 2003, 36, 134-141.	1.6	14
50	Nr2e1 regulates retinal lamination and the development of Müller glia, S-cones, and glycinergic amacrine cells during retinogenesis. <i>Molecular Brain</i> , 2015, 8, 37.	2.6	14
51	Intron/Exon Structure Confirms That Mouse Zfy1 and Zfy2 Are Members of the ZFY Gene Family. <i>Genomics</i> , 1997, 41, 123-127.	2.9	13
52	Transgene distribution and immune response after ultrasound delivery of rAAV9 and PHP.B to the brain in a mouse model of amyloidosis. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 23, 390-405.	4.1	13
53	Characterization of the Murine Zfy1 and Zfy2 Promoters. <i>Genomics</i> , 1994, 24, 406-408.	2.9	12
54	Epistasis between Pax6 ^{Sey} and genetic background reinforces the value of defined hybrid mouse models for therapeutic trials. <i>Gene Therapy</i> , 2018, 25, 524-537.	4.5	12

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55	Mutation and evolutionary analyses identify NR2E1-candidate-regulatory mutations in humans with severe cortical malformations. <i>Genes, Brain and Behavior</i> , 2007, 6, 503-516.	2.2	11
56	Frequencies of cystic fibrosis mutations in the Maine population: high proportion of unknown alleles in individuals of French-Canadian ancestry. <i>Human Genetics</i> , 1996, 98, 207-209.	3.8	10
57	Of Mice and Men. <i>Journal of Interpersonal Violence</i> , 2005, 20, 61-71.	2.0	10
58	SAGE2Splice: Unmapped SAGE Tags Reveal Novel Splice Junctions. <i>PLoS Computational Biology</i> , 2006, 2, e34.	3.2	10
59	Laboratory Animal Management Assistant (LAMA): a LIMS for active research colonies. <i>Mammalian Genome</i> , 2010, 21, 224-230.	2.2	10
60	Co-activator candidate interactions for orphan nuclear receptor NR2E1. <i>BMC Genomics</i> , 2016, 17, 832.	2.8	10
61	The Mouse Y Chromosome: Enrichment, Sizing, and Cloning by Bivariate Flow Cytometry. <i>Genomics</i> , 1998, 48, 304-313.	2.9	9
62	Retroposon compensatory mechanism hypothesis not supported: Zfa knockout mice are fertile. <i>Genomics</i> , 2003, 82, 254-260.	2.9	9
63	Combined serial analysis of gene expression and transcription factor binding site prediction identifies novel-candidate-target genes of Nr2e1 in neocortex development. <i>BMC Genomics</i> , 2015, 16, 545.	2.8	9
64	Human progranulin-expressing mice as a novel tool for the development of progranulin-modulating therapeutics. <i>Neurobiology of Disease</i> , 2021, 153, 105314.	4.4	8
65	Transgenic mice for the preparation of puromycin-resistant primary embryonic fibroblast feeder layers for embryonic stem cell selection. <i>Mammalian Genome</i> , 2001, 12, 169-171.	2.2	7
66	A high G418-resistant <i>neo^R</i> transgenic mouse and mouse embryonic fibroblast (MEF) feeder layers for cytotoxicity and gene targeting <i>in vivo</i> and <i>in vitro</i> . <i>Drug and Chemical Toxicology</i> , 2011, 34, 433-439.	2.3	6
67	Absence of NR2E1 mutations in patients with aniridia. <i>Molecular Vision</i> , 2012, 18, 2770-82.	1.1	6
68	NovelSxra ES cell line offers hope for Y chromosome gene-targeted mice. <i>Genesis</i> , 2002, 33, 62-66.	1.6	5
69	Non-coding-regulatory regions of human brain genes delineated by bacterial artificial chromosome knock-in mice. <i>BMC Biology</i> , 2013, 11, 106.	3.8	4