Elizabeth M Simpson

List of Publications by Year
in descending order

69	8,255	147566 31	88477 70
papers	citations	h-index	g-index

73	73	73	10349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human MiniPromoters for ocular-rAAV expression in ON bipolar, cone, corneal, endothelial, MÃ¼ller glial, and PAX6 cells. Gene Therapy, 2021, 28, 351-372.	2.3	18
2	Intracerebroventricular Administration of AAV9-PHP.B SYN1-EmGFP Induces Widespread Transgene Expression in the Mouse and Monkey Central Nervous System. Human Gene Therapy, 2021, 32, 599-615.	1.4	18
3	Human progranulin-expressing mice as a novel tool for the development of progranulin-modulating therapeutics. Neurobiology of Disease, 2021, 153, 105314.	2.1	8
4	Transgene distribution and immune response after ultrasound delivery of rAAV9 and PHP.B to the brain in a mouse model of amyloidosis. Molecular Therapy - Methods and Clinical Development, 2021, 23, 390-405.	1.8	13
5	A novel mouse model for pyridoxine-dependent epilepsy due to antiquitin deficiency. Human Molecular Genetics, 2020, 29, 3266-3284.	1.4	15
6	Germline CRISPR/Cas9-Mediated Gene Editing Prevents Vision Loss in a Novel Mouse Model of Aniridia. Molecular Therapy - Methods and Clinical Development, 2020, 17, 478-490.	1.8	17
7	New MiniPromoter Ple345 (NEFL) Drives Strong and Specific Expression in Retinal Ganglion Cells of Mouse and Primate Retina. Human Gene Therapy, 2019, 30, 257-272.	1.4	21
8	Ferroportin-mediated iron export from vascular endothelial cells in retina and brain. Experimental Eye Research, 2019, 187, 107728.	1.2	19
9	Twenty-Seven Tamoxifen-Inducible iCre-Driver Mouse Strains for Eye and Brain, Including Seventeen Carrying a New Inducible-First Constitutive-Ready Allele. Genetics, 2019, 211, 1155-1177.	1.2	17
10	How do genes that escape from Xâ€chromosome inactivation contribute to Turner syndrome?. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2019, 181, 84-91.	0.7	18
11	Human cis-acting elements regulating escape from X-chromosome inactivation function in mouse. Human Molecular Genetics, 2018, 27, 1252-1262.	1.4	23
12	Epistasis between Pax6Sey and genetic background reinforces the value of defined hybrid mouse models for therapeutic trials. Gene Therapy, 2018, 25, 524-537.	2.3	12
13	HMMR acts in the PLK1-dependent spindle positioning pathway and supports neural development. ELife, 2017, 6, .	2.8	41
14	Co-activator candidate interactions for orphan nuclear receptor NR2E1. BMC Genomics, 2016, 17, 832.	1.2	10
15	PAX6 MiniPromoters drive restricted expression from rAAV in the adult mouse retina. Molecular Therapy - Methods and Clinical Development, 2016, 3, 16051.	1.8	17
16	rAAV-compatible MiniPromoters for restricted expression in the brain and eye. Molecular Brain, 2016, 9, 52.	1.3	69
17	Nr2e1 regulates retinal lamination and the development of MÃ¼ller glia, S-cones, and glycineric amacrine cells during retinogenesis. Molecular Brain, 2015, 8, 37.	1.3	14
18	Combined serial analysis of gene expression and transcription factor binding site prediction identifies novel-candidate-target genes of Nr2e1 in neocortex development. BMC Genomics, 2015, 16, 545.	1.2	9

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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. Human Molecular Genetics, 2015, 24, 6229-6239.	1.4	60
20	Targeted CNS delivery using human MiniPromoters and demonstrated compatibility with adeno-associated viral vectors. Molecular Therapy - Methods and Clinical Development, 2014, 1, 5.	1.8	44
21	Non-coding-regulatory regions of human brain genes delineated by bacterial artificial chromosome knock-in mice. BMC Biology, 2013, 11, 106.	1.7	4
22	Modelling Human Regulatory Variation in Mouse: Finding the Function in Genome-Wide Association Studies and Whole-Genome Sequencing. PLoS Genetics, 2012, 8, e1002544.	1.5	16
23	Targeting of >1.5 Mb of Human DNA into the Mouse X Chromosome Reveals Presence of cis-Acting Regulators of Epigenetic Silencing. Genetics, 2012, 192, 1281-1293.	1.2	17
24	The mammalian gene function resource: the international knockout mouse consortium. Mammalian Genome, 2012, 23, 580-586.	1.0	292
25	Beyond knockouts: cre resources for conditional mutagenesis. Mammalian Genome, 2012, 23, 587-599.	1.0	57
26	Absence of NR2E1 mutations in patients with aniridia. Molecular Vision, 2012, 18, 2770-82.	1.1	6
27	A high G418-resistantneo^Rtransgenic mouse and mouse embryonic fibroblast (MEF) feeder layers for cytotoxicity and gene targetingin vivoandin vitro. Drug and Chemical Toxicology, 2011, 34, 433-439.	1.2	6
28	Laboratory Animal Management Assistant (LAMA): a LIMS for active research colonies. Mammalian Genome, 2010, 21, 224-230.	1.0	10
29	Hyperactivity, startle reactivity and cellâ€proliferation deficits are resistant to chronic lithium treatment in adult Nr2e1^{frc/frc} mice. Genes, Brain and Behavior, 2010, 9, 681-694.	1.1	15
30	Expression analysis of novel striatal-enriched genes in Huntington disease. Human Molecular Genetics, 2010, 19, 609-622.	1.4	45
31	A regulatory toolbox of MiniPromoters to drive selective expression in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16589-16594.	3.3	74
32	Frequent somatic mutations of GNAQ in uveal melanoma and blue naevi. Nature, 2009, 457, 599-602.	13.7	1,433
33	Next generation tools for high-throughput promoter and expression analysis employing single-copy knock-ins at the Hprt1 locus. Genomics, 2009, 93, 196-204.	1.3	39
34	Initial association of NR2E1 with bipolar disorder and identification of candidate mutations in bipolar disorder, schizophrenia, and aggression through resequencing. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2008, 147B, 880-889.	1.1	36
35	Identification of a set of genes showing regionally enriched expression in the mouse brain. BMC Neuroscience, 2008, 9, 66.	0.8	25
36	Absence of mutations in NR2E1 and SNX3in five patients with MMEP (microcephaly, microphthalmia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	15

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37	Mutation and evolutionary analyses identify NR2E1-candidate-regulatory mutations in humans with severe cortical malformations. Genes, Brain and Behavior, 2007, 6, 503-516.	1.1	11
38	Hippi is essential for node cilia assembly and Sonic hedgehog signaling. Developmental Biology, 2006, 300, 523-533.	0.9	86
39	SAGE2Splice: Unmapped SAGE Tags Reveal Novel Splice Junctions. PLoS Computational Biology, 2006, 2, e34.	1.5	10
40	Of Mice and Men. Journal of Interpersonal Violence, 2005, 20, 61-71.	1.3	10
41	A mouse atlas of gene expression: Large-scale digital gene-expression profiles from precisely defined developing C57BL/6J mouse tissues and cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18485-18490.	3.3	112
42	Pathological Aggression in "Fierce" Mice Corrected by Human Nuclear Receptor 2E1. Journal of Neuroscience, 2005, 25, 6263-6270.	1.7	43
43	Caspase-7 Expanded Function and Intrinsic Expression Level Underlies Strain-Specific Brain Phenotype of Caspase-3-Null Mice. Journal of Neuroscience, 2004, 24, 9977-9984.	1.7	92
44	The dark phase improves genetic discrimination for some high throughput mouse behavioral phenotyping. Genes, Brain and Behavior, 2004, 3, 167-177.	1.1	73
45	Unexpected embryonic stem (ES) cell mutations represent a concern in gene targeting: Lessons from ?fierce? mice. Genesis, 2004, 38, 51-57.	0.8	25
46	Engineering embryonic stem cell derived glia for adenosine delivery. Neuroscience Letters, 2004, 370, 160-165.	1.0	65
47	Metaphase FISHing of transgenic mice recommended: FISH and SKY define BAC-mediated balanced translocation. Genesis, 2003, 36, 134-141.	0.8	14
48	Retroposon compensatory mechanism hypothesis not supported: Zfa knockout mice are fertile. Genomics, 2003, 82, 254-260.	1.3	9
49	Selective striatal neuronal loss in a YAC128 mouse model of Huntington disease. Human Molecular Genetics, 2003, 12, 1555-1567.	1.4	713
50	Novel Vertebrate Genes and Putative Regulatory Elements Identified at Kidney Disease and NR2E1/fierce Loci. Genomics, 2002, 80, 45-53.	1.3	22
51	Fierce: a new mouse deletion of Nr2e1; violent behaviour and ocular abnormalities are background-dependent. Behavioural Brain Research, 2002, 132, 145-158.	1.2	118
52	NovelSxra ES cell line offers hope for Y chromosome gene-targeted mice. Genesis, 2002, 33, 62-66.	0.8	5
53	Transgenic mice for the preparation of puromycin-resistant primary embryonic fibroblast feeder layers for embryonic stem cell selection. Mammalian Genome, 2001, 12, 169-171.	1.0	7
54	Interâ€chromosomal recombination of Mll and Af9 genes mediated by creâ€loxP in mouse development. EMBO Reports, 2000, 1, 127-132.	2.0	105

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55	Revised nomenclature for strain 129 mice. Mammalian Genome, 1999, 10, 836-836.	1.0	88
56	An essential role for Fas ligand in transplantation tolerance induced by donor bone marrow. Nature Medicine, 1998, 4, 333-335.	15.2	101
57	The Mouse Y Chromosome: Enrichment, Sizing, and Cloning by Bivariate Flow Cytometry. Genomics, 1998, 48, 304-313.	1.3	9
58	Intron/Exon Structure Confirms That MouseZfy1andZfy2Are Members of theZFYGene Family. Genomics, 1997, 41, 123-127.	1.3	13
59	B7-1 and B7-2 Have Overlapping, Critical Roles in Immunoglobulin Class Switching and Germinal Center Formation. Immunity, 1997, 6, 303-313.	6.6	479
60	Genetic variation among 129 substrains and its importance for targeted mutagenesis in mice. Nature Genetics, 1997, 16, 19-27.	9.4	666
61	Mice lacking mitochondrial uncoupling protein are cold-sensitive but not obese. Nature, 1997, 387, 90-94.	13.7	1,251
62	Mouse Y-Specific Repeats Isolated by Whole Chromosome Representational Difference Analysis. Genomics, 1996, 36, 349-353.	1.3	34
63	Frequencies of cystic fibrosis mutations in the Maine population: high proportion of unknown alleles in individuals of French-Canadian ancestry. Human Genetics, 1996, 98, 207-209.	1.8	10
64	Transgenic mice for the preparation of hygromycin-resistant primary embryonic fibroblast feeder layers for embryonic stem cell selections. Nucleic Acids Research, 1995, 23, 1273-1275.	6.5	22
65	Chromosomal assignment of the genes for proprotein convertases PC4, PC5, and PACE 4 in mouse and human. Genomics, 1995, 26, 123-129.	1.3	32
66	Characterization of the Murine Zfy1 and Zfy2 Promoters. Genomics, 1994, 24, 406-408.	1.3	12
67	An interstitial deletion in mouse Y chromosomal DNA created a transcribed Zfy fusion gene. Genomics, 1991, 11, 601-608.	1.3	54
68	Chromosomal localization of ZFXâ€”A human gene that escapes X inactivationâ€”and its murine homologs. Genomics, 1990, 7, 37-46.	1.3	54
69	The sex-determining region of the human Y chromosome encodes a finger protein. Cell, 1987, 51, 1091-1104.	13.5	881