

Simon G Lillico

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,528
citations

201575

27
h-index

214721

47
g-index

49
all docs

49
docs citations

49
times ranked

3934
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient TALEN-mediated gene knockout in livestock. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17382-17387.	3.3	524
2	Efficient production of germline transgenic chickens using lentiviral vectors. EMBO Reports, 2004, 5, 728-733.	2.0	353
3	Precision engineering for PRRSV resistance in pigs: Macrophages from genome edited pigs lacking CD163 SRCR5 domain are fully resistant to both PRRSV genotypes while maintaining biological function. PLoS Pathogens, 2017, 13, e1006206.	2.1	282
4	Genome edited sheep and cattle. Transgenic Research, 2015, 24, 147-153.	1.3	203
5	Localised axial progenitor cell populations in the avian tail bud are not committed to a posterior Hox identity. Development (Cambridge), 2008, 135, 2289-2299.	1.2	152
6	C9ORF72 repeat expansion causes vulnerability of motor neurons to Ca ²⁺ -permeable AMPA receptor-mediated excitotoxicity. Nature Communications, 2018, 9, 347.	5.8	151
7	Live pigs produced from genome edited zygotes. Scientific Reports, 2013, 3, 2847.	1.6	149
8	Pigs Lacking the Scavenger Receptor Cysteine-Rich Domain 5 of CD163 Are Resistant to Porcine Reproductive and Respiratory Syndrome Virus 1 Infection. Journal of Virology, 2018, 92, .	1.5	149
9	Gene targeting, genome editing: from Dolly to editors. Transgenic Research, 2016, 25, 273-287.	1.3	129
10	Engineering large animal models of human disease. Journal of Pathology, 2016, 238, 247-256.	2.1	119
11	Transgenic chickens as bioreactors for protein-based drugs. Drug Discovery Today, 2005, 10, 191-196.	3.2	113
12	Essential Roles for GPI-anchored Proteins in African Trypanosomes Revealed Using Mutants Deficient in GPI8. Molecular Biology of the Cell, 2003, 14, 1182-1194.	0.9	108
13	Generation of germline ablated male pigs by CRISPR/Cas9 editing of the NANOS2 gene. Scientific Reports, 2017, 7, 40176.	1.6	102
14	Zinc finger nuclease technology heralds a new era in mammalian transgenesis. Trends in Biotechnology, 2010, 28, 134-141.	4.9	83
15	Mammalian interspecies substitution of immune modulatory alleles by genome editing. Scientific Reports, 2016, 6, 21645.	1.6	83
16	Highly efficient targeted chromosome deletions using CRISPR/Cas9. Biotechnology and Bioengineering, 2015, 112, 1060-1064.	1.7	68
17	CRISPR-Based Gene Drives for Pest Control. Trends in Biotechnology, 2018, 36, 130-133.	4.9	61
18	Trypanosoma brucei MOB1 is required for accurate and efficient cytokinesis but not for exit from mitosis. Molecular Microbiology, 2005, 56, 104-116.	1.2	58

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19	Donor-derived spermatogenesis following stem cell transplantation in sterile <i>NANOS2</i> knockout males. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24195-24204.	3.3	52
20	Programmed Cell Death in Procyclic Form <i>Trypanosoma brucei rhodesiense</i> - Identification of Differentially Expressed Genes during Con A Induced Death. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1999, 94, 229-234.	0.8	49
21	Species-Specific Variation in RELA Underlies Differences in NF- κ B Activity: a Potential Role in African Swine Fever Pathogenesis. <i>Journal of Virology</i> , 2011, 85, 6008-6014.	1.5	48
22	Ovine-Induced Pluripotent Stem Cells Can Contribute to Chimeric Lambs. <i>Cellular Reprogramming</i> , 2012, 14, 8-19.	0.5	46
23	CRISPR/Cas9 mediated generation of an ovine model for infantile neuronal ceroid lipofuscinosis (CLN1). <i>Transgenic and Overexpression</i> , 2019, 16, 41-47.	1.6	41
24	Transgenic sheep designed for transplantation studies. <i>Molecular Reproduction and Development</i> , 2009, 76, 61-64.	1.0	36
25	A chicken bioreactor for efficient production of functional cytokines. <i>BMC Biotechnology</i> , 2018, 18, 82.	1.7	33
26	Genome editing for disease resistance in pigs and chickens. <i>Animal Frontiers</i> , 2019, 9, 6-12.	0.8	30
27	Characterisation of the <i>QM</i> gene of <i>Trypanosoma brucei</i> . <i>FEMS Microbiology Letters</i> , 2002, 211, 123-128.	0.7	28
28	On-Farm Livestock Genome Editing Using Cutting Edge Reproductive Technologies. <i>Frontiers in Sustainable Food Systems</i> , 2019, 3, .	1.8	26
29	Swine ANP32A Supports Avian Influenza Virus Polymerase. <i>Journal of Virology</i> , 2020, 94, .	1.5	26
30	Substitution of warthog NF- κ B motifs into RELA of domestic pigs is not sufficient to confer resilience to African swine fever virus. <i>Scientific Reports</i> , 2020, 10, 8951.	1.6	25
31	USP18 restricts PRRSV growth through alteration of nuclear translocation of NF- κ B p65 and p50 in MARC-145 cells. <i>Virus Research</i> , 2012, 169, 264-267.	1.1	22
32	Comparison of CRISPR/Cas9 and TALENs on editing an integrated EGFP gene in the genome of HEK293FT cells. <i>SpringerPlus</i> , 2016, 5, 814.	1.2	22
33	A <i>Csf1r</i> -EGFP Transgene Provides a Novel Marker for Monocyte Subsets in Sheep. <i>Journal of Immunology</i> , 2016, 197, 2297-2305.	0.4	21
34	Milk Lacking κ -Casein Leads to Permanent Reduction in Body Size in Mice. <i>PLoS ONE</i> , 2011, 6, e21775.	1.1	20
35	Rapid Cohort Generation and Analysis of Disease Spectrum of Large Animal Model of Cone Dystrophy. <i>PLoS ONE</i> , 2013, 8, e71363.	1.1	17
36	Generation of Functional Myocytes from Equine Induced Pluripotent Stem Cells. <i>Cellular Reprogramming</i> , 2018, 20, 275-281.	0.5	15

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37	Lentiviral transgenesis in livestock. <i>Transgenic Research</i> , 2011, 20, 441-442.	1.3	14
38	Functional conservation between rodents and chicken of regulatory sequences driving skeletal muscle gene expression in transgenic chickens. <i>BMC Developmental Biology</i> , 2010, 10, 26.	2.1	12
39	Lentiviral vectors containing mouse <i>Csf1r</i> control elements direct macrophage-restricted expression in multiple species of birds and mammals. <i>Molecular Therapy - Methods and Clinical Development</i> , 2014, 1, 14010.	1.8	10
40	Comparison of surrogate reporter systems for enrichment of cells with mutations induced by genome editors. <i>Journal of Biotechnology</i> , 2016, 221, 49-54.	1.9	10
41	Genetically engineering milk. <i>Journal of Dairy Research</i> , 2016, 83, 3-11.	0.7	8
42	Welfare assessment in transgenic pigs expressing green fluorescent protein (GFP). <i>Transgenic Research</i> , 2012, 21, 773-784.	1.3	6
43	Mammary gland development is delayed in mice deficient for aminopeptidase N. <i>Transgenic Research</i> , 2013, 22, 425-434.	1.3	6
44	Agricultural applications of genome editing in farmed animals. <i>Transgenic Research</i> , 2019, 28, 57-60.	1.3	6
45	Tissue-specific and expression of porcine growth hormone gene in BAC transgenic mice. <i>Transgenic Research</i> , 2011, 20, 933-938.	1.3	5
46	Stable conditional expression and effect of C/EBP β -LIP in adipocytes using the pSLIK system. <i>Journal of Molecular Endocrinology</i> , 2013, 51, 91-98.	1.1	3
47	Behaviour of postnatally growth-impaired mice during malnutrition and after partial weight recovery. <i>Nutritional Neuroscience</i> , 2013, 16, 125-134.	1.5	2