Simon G Lillico

List of Publications by Year
in descending order

47 papers	3,528 citations	201674 27 h-index	214800 47 g-index
49 all docs	49 docs citations	49 times ranked	3934 citing authors

#	Article	IF	Citations
1	Donor-derived spermatogenesis following stem cell transplantation in sterile NANOS2 knockout males. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24195-24204.	7.1	52
2	Substitution of warthog NF-ÎºB motifs into RELA of domestic pigs is not sufficient to confer resilience to African swine fever virus. Scientific Reports, 2020, 10, 8951.	3.3	25
3	Swine ANP32A Supports Avian Influenza Virus Polymerase. Journal of Virology, 2020, 94, .	3.4	26
4	Genome editing for disease resistance in pigs and chickens. Animal Frontiers, 2019, 9, 6-12.	1.7	30
5	CRISPR/Cas9 mediated generation of an ovine model for infantile neuronal ceroid lipofuscinosis (CLN1) Tj ETQq1 1 0.784314 rgBT /Ov	3.3	41
6	Agricultural applications of genome editing in farmed animals. Transgenic Research, 2019, 28, 57-60.	2.4	6
7	On-Farm Livestock Genome Editing Using Cutting Edge Reproductive Technologies. Frontiers in Sustainable Food Systems, 2019, 3, .	3.9	26
8	CRISPR-Based Gene Drives for Pest Control. Trends in Biotechnology, 2018, 36, 130-133.	9.3	61
9	C9ORF72 repeat expansion causes vulnerability of motor neurons to Ca2+-permeable AMPA receptor-mediated excitotoxicity. Nature Communications, 2018, 9, 347.	12.8	151
10	A chicken bioreactor for efficient production of functional cytokines. BMC Biotechnology, 2018, 18, 82.	3.3	33
11	Generation of Functional Myocytes from Equine Induced Pluripotent Stem Cells. Cellular Reprogramming, 2018, 20, 275-281.	0.9	15
12	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, .	3.4	149
13	Generation of germline ablated male pigs by CRISPR/Cas9 editing of the NANOS2 gene. Scientific Reports, 2017, 7, 40176.	3.3	102
14	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.	4.7	282
15	Comparison of CRISPR/Cas9 and TALENs on editing an integrated EGFP gene in the genome of HEK293FT cells. SpringerPlus, 2016, 5, 814.	1.2	22
16	Mammalian interspecies substitution of immune modulatory alleles by genome editing. Scientific Reports, 2016, 6, 21645.	3.3	83
17	Genetically engineering milk. Journal of Dairy Research, 2016, 83, 3-11.	1.4	8
18	A Csf1r-EGFP Transgene Provides a Novel Marker for Monocyte Subsets in Sheep. Journal of Immunology, 2016, 197, 2297-2305.	0.8	21

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19	Comparison of surrogate reporter systems for enrichment of cells with mutations induced by genome editors. Journal of Biotechnology, 2016, 221, 49-54.	3.8	10
20	Engineering large animal models of human disease. Journal of Pathology, 2016, 238, 247-256.	4.5	119
21	Gene targeting, genome editing: from Dolly to editors. Transgenic Research, 2016, 25, 273-287.	2.4	129
22	Genome edited sheep and cattle. Transgenic Research, 2015, 24, 147-153.	2.4	203
23	Highly efficient targeted chromosome deletions using CRISPR/Cas9. Biotechnology and Bioengineering, 2015, 112, 1060-1064.	3.3	68
24	Lentiviral vectors containing mouse Csf1r control elements direct macrophage-restricted expression in multiple species of birds and mammals. Molecular Therapy - Methods and Clinical Development, 2014, 1, 14010.	4.1	10
25	Mammary gland development is delayed in mice deficient for aminopeptidase N. Transgenic Research, 2013, 22, 425-434.	2.4	6
26	Live pigs produced from genome edited zygotes. Scientific Reports, 2013, 3, 2847.	3.3	149
27	Stable conditional expression and effect of C/EBPÎ²-LIP in adipocytes using the pSLIK system. Journal of Molecular Endocrinology, 2013, 51, 91-98.	2.5	3
28	Behaviour of postnatally growth-impaired mice during malnutrition and after partial weight recovery. Nutritional Neuroscience, 2013, 16, 125-134.	3.1	2
29	Rapid Cohort Generation and Analysis of Disease Spectrum of Large Animal Model of Cone Dystrophy. PLoS ONE, 2013, 8, e71363.	2.5	17
30	USP18 restricts PRRSV growth through alteration of nuclear translocation of NF-ÎºB p65 and p50 in MARC-145 cells. Virus Research, 2012, 169, 264-267.	2.2	22
31	Efficient TALEN-mediated gene knockout in livestock. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17382-17387.	7.1	524
32	Ovine-Induced Pluripotent Stem Cells Can Contribute to Chimeric Lambs. Cellular Reprogramming, 2012, 14, 8-19.	0.9	46
33	Welfare assessment in transgenic pigs expressing green fluorescent protein (GFP). Transgenic Research, 2012, 21, 773-784.	2.4	6
34	Milk Lacking Î±-Casein Leads to Permanent Reduction in Body Size in Mice. PLoS ONE, 2011, 6, e21775.	2.5	20
35	Lentiviral transgenesis in livestock. Transgenic Research, 2011, 20, 441-442.	2.4	14
36	Tissue-specific and expression of porcine growth hormone gene in BAC transgenic mice. Transgenic Research, 2011, 20, 933-938.	2.4	5

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37	Species-Specific Variation in RELA Underlies Differences in NF-ÎºB Activity: a Potential Role in African Swine Fever Pathogenesis. Journal of Virology, 2011, 85, 6008-6014.	3.4	48
38	Zinc finger nuclease technology heralds a new era in mammalian transgenesis. Trends in Biotechnology, 2010, 28, 134-141.	9.3	83
39	Functional conservation between rodents and chicken of regulatory sequences driving skeletal muscle gene expression in transgenic chickens. BMC Developmental Biology, 2010, 10, 26.	2.1	12
40	Transgenic sheep designed for transplantation studies. Molecular Reproduction and Development, 2009, 76, 61-64.	2.0	36
41	Localised axial progenitor cell populations in the avian tail bud are not committed to a posterior Hox identity. Development (Cambridge), 2008, 135, 2289-2299.	2.5	152
42	Trypanosoma brucei MOB1 is required for accurate and efficient cytokinesis but not for exit from mitosis. Molecular Microbiology, 2005, 56, 104-116.	2.5	58
43	Transgenic chickens as bioreactors for protein-based drugs. Drug Discovery Today, 2005, 10, 191-196.	6.4	113
44	Efficient production of germline transgenic chickens using lentiviral vectors. EMBO Reports, 2004, 5, 728-733.	4.5	353
45	Essential Roles for GPI-anchored Proteins in African Trypanosomes Revealed Using Mutants Deficient in GPI8. Molecular Biology of the Cell, 2003, 14, 1182-1194.	2.1	108
46	Characterisation of theQMgene ofTrypanosoma brucei. FEMS Microbiology Letters, 2002, 211, 123-128.	1.8	28
47	Programmed Cell Death in Procyclic Form Trypanosoma brucei rhodesiense - Identification of Differentially Expressed Genes during Con A Induced Death. Memorias Do Instituto Oswaldo Cruz, 1999, 94, 229-234.	1.6	49