

# Bruce A Whitelaw

## List of Publications by Citations

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33  
papers

950  
citations

15  
h-index

30  
g-index

48  
ext. papers

1,232  
ext. citations

5.7  
avg, IF

3.88  
L-index

#	Paper	IF	Citations
33	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. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006206	7.6	187
32	Targeting expression to the mammary gland: intronic sequences can enhance the efficiency of gene expression in transgenic mice. <i>Transgenic Research</i> , <b>1991</b> , 1, 3-13	3.3	117
31	A future for transgenic livestock. <i>Nature Reviews Genetics</i> , <b>2003</b> , 4, 825-33	30.1	87
30	A high resolution atlas of gene expression in the domestic sheep ( <i>Ovis aries</i> ). <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006997	6	79
29	Zinc finger nuclease technology heralds a new era in mammalian transgenesis. <i>Trends in Biotechnology</i> , <b>2010</b> , 28, 134-41	15.1	71
28	The minipig as a platform for new technologies in toxicology. <i>Journal of Pharmacological and Toxicological Methods</i> , <b>2010</b> , 62, 227-35	1.7	57
27	Global gene expression analysis of canine osteosarcoma stem cells reveals a novel role for COX-2 in tumour initiation. <i>PLoS ONE</i> , <b>2014</b> , 9, e83144	3.7	39
26	The future of animal production: improving productivity and sustainability. <i>Journal of Agricultural Science</i> , <b>2011</b> , 149, 9-16	1	38
25	Production of pharmaceutical proteins in milk. <i>Experientia</i> , <b>1991</b> , 47, 905-12		29
24	Recommendations for minimum information for publication of experimental pathology data: MINPEPA guidelines. <i>Journal of Pathology</i> , <b>2016</b> , 238, 359-67	9.4	23
23	Method Specific Calibration Corrects for DNA Extraction Method Effects on Relative Telomere Length Measurements by Quantitative PCR. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164046	3.7	23
22	USP18 restricts PRRSV growth through alteration of nuclear translocation of NF- $\kappa$ B p65 and p50 in MARC-145 cells. <i>Virus Research</i> , <b>2012</b> , 169, 264-7	6.4	20
21	Characterisation and differentiation potential of bone marrow derived canine mesenchymal stem cells. <i>Veterinary Journal</i> , <b>2012</b> , 194, 361-8	2.5	20
20	A Csf1r-EGFP Transgene Provides a Novel Marker for Monocyte Subsets in Sheep. <i>Journal of Immunology</i> , <b>2016</b> , 197, 2297-305	5.3	17
19	Bovine telomere dynamics and the association between telomere length and productive lifespan. <i>Scientific Reports</i> , <b>2018</b> , 8, 12748	4.9	14
18	Lentiviral transgenesis in livestock. <i>Transgenic Research</i> , <b>2011</b> , 20, 441-2	3.3	12
17	Swine ANP32A Supports Avian Influenza Virus Polymerase. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.6	11

16	Lentiviral vectors containing mouse Csf1r control elements direct macrophage-restricted expression in multiple species of birds and mammals. <i>Molecular Therapy - Methods and Clinical Development</i> , <b>2014</b> , 1, 14010	6.4	10
15	Characterisation and cardiac directed differentiation of canine adult cardiac stem cells. <i>Veterinary Journal</i> , <b>2012</b> , 191, 176-82	2.5	10
14	Longitudinal changes in telomere length and associated genetic parameters in dairy cattle analysed using random regression models. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192864	3.7	9
13	CD13/aminopeptidase N is a negative regulator of mast cell activation. <i>FASEB Journal</i> , <b>2016</b> , 30, 2225-35	0.9	8
12	Production of human $\alpha$ -antitrypsin in the milk of transgenic sheep and mice: Targeting expression of CDNA sequences to the mammary gland. <i>Animal Biotechnology</i> , <b>1991</b> , 2, 161-176	1.4	8
11	Methods of gene transfer and their potential use to modify milk composition. <i>Theriogenology</i> , <b>1990</b> , 33, 113-123	2.8	8
10	The Genetic Architecture of Bovine Telomere Length in Early Life and Association With Animal Fitness. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 1048	4.5	8
9	Promoter characterization and functional association with placenta of porcine MAGEL2. <i>Gene</i> , <b>2014</b> , 547, 63-9	3.8	5
8	Transgene methylation in mice reflects copy number but not expression level. <i>Molecular Biotechnology</i> , <b>2004</b> , 26, 215-20	3	5
7	Telomere attrition rates are associated with weather conditions and predict productive lifespan in dairy cattle. <i>Scientific Reports</i> , <b>2021</b> , 11, 5589	4.9	5
6	An animal model to evaluate the function and regulation of the adaptively evolving stress protein SEP53 in oesophageal bile damage responses. <i>Cell Stress and Chaperones</i> , <b>2008</b> , 13, 375-85	4	4
5	Genome Editing and the Future of Farming meeting report. <i>Transgenic Research</i> , <b>2017</b> , 26, 319-321	3.3	2
4	Cardiac specific gene expression changes in long term culture of murine mesenchymal stem cells. <i>International Journal of Stem Cells</i> , <b>2011</b> , 4, 143-8	3	2
3	Gene editing in Farm Animals: A Step Change for Eliminating Epidemics on our Doorstep?		2
2	Chromatin heterogeneity within multicopy transgene arrays. <i>Transgenic Research</i> , <b>1998</b> , 7, 401-2	3.3	1
1	We have entered the era of genome-edited farmed animals. <i>Emerging Topics in Life Sciences</i> , <b>2019</b> , 3, 645-649	3.5	1