Simon Gubbins

List of Publications by Year
in descending order

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155 papers	4,492 citations	87723 38 h-index	161609 54 g-index
165 all docs	165 docs citations	165 times ranked	3272 citing authors

#	Article	IF	Citations
1	Assessing the risk of bluetongue to UK livestock: uncertainty and sensitivity analyses of a temperature-dependent model for the basic reproduction number. Journal of the Royal Society Interface, 2008, 5, 363-371.	1.5	166
2	Relationship Between Clinical Signs and Transmission of an Infectious Disease and the Implications for Control. Science, 2011, 332, 726-729.	6.0	129
3	Temperature Dependence of the Extrinsic Incubation Period of Orbiviruses in Culicoides Biting Midges. PLoS ONE, 2011, 6, e27987.	1.1	104
4	Application of non-structural protein antibody tests in substantiating freedom from foot-and-mouth disease virus infection after emergency vaccination of cattle. Vaccine, 2006, 24, 6503-6512.	1.7	99
5	Survival of African Swine Fever Virus in Excretions from Pigs Experimentally Infected with the Georgia 2007/1 Isolate. Transboundary and Emerging Diseases, 2017, 64, 425-431.	1.3	97
6	Evidence for Transmission of Bluetongue Virus Serotype 26 through Direct Contact. PLoS ONE, 2014, 9, e96049.	1.1	90
7	Influence of season and meteorological parameters on flight activity of Culicoides biting midges. Journal of Applied Ecology, 2011, 48, 1355-1364.	1.9	85
8	A Modeling Framework to Describe the Transmission of Bluetongue Virus within and between Farms in Great Britain. PLoS ONE, 2009, 4, e7741.	1.1	85
9	Normal variation in thermal radiated temperature in cattle: implications for foot-and-mouth disease detection. BMC Veterinary Research, 2011, 7, 73.	0.7	77
10	Experimental pig-to-pig transmission dynamics for African swine fever virus, Georgia 2007/1 strain. Epidemiology and Infection, 2016, 144, 25-34.	1.0	77
11	Foot-and-Mouth Disease Virus Can Induce a Specific and Rapid CD4⁺T-Cell-Independent Neutralizing and Isotype Class-Switched Antibody Response in Naiˆve Cattle. Journal of Virology, 2009, 83, 3626-3636.	1.5	76
12	Implicating Culicoides Biting Midges as Vectors of Schmallenberg Virus Using Semi-Quantitative RT-PCR. PLoS ONE, 2013, 8, e57747.	1.1	75
13	Systematic literature review of Rift Valley fever virus seroprevalence in livestock, wildlife and humans in Africa from 1968 to 2016. PLoS Neglected Tropical Diseases, 2018, 12, e0006627.	1.3	70
14	Understanding the transmission of foot-and-mouth disease virus at different scales. Current Opinion in Virology, 2018, 28, 85-91.	2.6	68
15	Invasion and persistence of plant parasites in a spatially structured host population. Oikos, 2001, 94, 162-174.	1.2	67
16	An assessment of Culicoides surveillance techniques in northern Europe: have we underestimated a potential bluetongue virus vector?. Journal of Applied Ecology, 2008, 45, 1237-1245.	1.9	67
17	Investigating Incursions of Bluetongue Virus Using a Model of Long-DistanceCulicoidesBiting Midge Dispersal. Transboundary and Emerging Diseases, 2013, 60, 263-272.	1.3	62
18	Monitoring for bovine spongiform encephalopathy in sheep in Great Britain, 1998â€“2004. Journal of General Virology, 2006, 87, 2099-2107.	1.3	62

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19	The Spread of Bluetongue Virus Serotype 8 in Great Britain and Its Control by Vaccination. PLoS ONE, 2010, 5, e9353.	1.1	60
20	Differential Persistence of Foot-and-Mouth Disease Virus in African Buffalo Is Related to Virus Virulence. Journal of Virology, 2016, 90, 5132-5140.	1.5	59
21	Extinction times for closed epidemics: the effects of host spatial structure. Ecology Letters, 2002, 5, 747-755.	3.0	58
22	Virus Excretion from Foot-And-Mouth Disease Virus Carrier Cattle and Their Potential Role in Causing New Outbreaks. PLoS ONE, 2015, 10, e0128815.	1.1	57
23	Transplacental Transmission of Bluetongue Virus 8 in Cattle, UK. Emerging Infectious Diseases, 2009, 15, 2025-2028.	2.0	55
24	Veterinary and human vaccine evaluation methods. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132839.	1.2	53
25	Lumpy skin disease epidemiological report IV: data collection and analysis. EFSA Journal, 2020, 18, e06010.	0.9	52
26	Measurement of the Infection and Dissemination of Bluetongue Virus in Culicoides Biting Midges Using a Semi-Quantitative RT-PCR Assay and Isolation of Infectious Virus. PLoS ONE, 2013, 8, e70800.	1.1	50
27	Inferring within-herd transmission parameters for African swine fever virus using mortality data from outbreaks in the Russian Federation. Transboundary and Emerging Diseases, 2018, 65, e264-e271.	1.3	50
28	Rift Valley Fever â€“ epidemiological update and risk of introduction into Europe. EFSA Journal, 2020, 18, e06041.	0.9	49
29	Analysis and fitting of an SIR model with host response to infection load for a plant disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 353-364.	1.8	46
30	CD4+ T-cell responses to foot-and-mouth disease virus in vaccinated cattle. Journal of General Virology, 2013, 94, 97-107.	1.3	46
31	Neethling vaccine proved highly effective in controlling lumpy skin disease epidemics in the Balkans. Preventive Veterinary Medicine, 2020, 181, 104595.	0.7	46
32	Retrospective evaluation of foot-and-mouth disease vaccine effectiveness in Turkey. Vaccine, 2014, 32, 1848-1855.	1.7	45
33	Frequencies of PrP genotypes in 38 breeds of sheep sampled in the National Scrapie Plan for Great Britain. Veterinary Record, 2005, 156, 433-437.	0.2	44
34	Clinical and laboratory investigations of the outbreaks of footâ€andâ€mouth disease in southern England in 2007. Veterinary Record, 2008, 163, 139-147.	0.2	43
35	Vaccination of horses with a recombinant modified vaccinia Ankara virus (MVA) expressing African horse sickness (AHS) virus major capsid protein VP2 provides complete clinical protection against challenge. Vaccine, 2014, 32, 3670-3674.	1.7	43
36	Where are the horses? With the sheep or cows? Uncertain host location, vector-feeding preferences and the risk of African horse sickness transmission in Great Britain. Journal of the Royal Society Interface, 2013, 10, 20130194.	1.5	42

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37	Protection of IFNAR (â˜'/â˜') Mice against Bluetongue Virus Serotype 8, by Heterologous (DNA/rMVA) and Homologous (rMVA/rMVA) Vaccination, Expressing Outer-Capsid Protein VP2. PLoS ONE, 2013, 8, e60574.	1.1	42
38	Bovine Plasmacytoid Dendritic Cells Are the Major Source of Type I Interferon in Response to Foot-and-Mouth Disease Virus In Vitro and In Vivo. Journal of Virology, 2011, 85, 4297-4308.	1.5	41
39	Population Dynamics of Plantâ€"Parasite Interactions: Thresholds for Invasion. Theoretical Population Biology, 2000, 57, 219-233.	0.5	40
40	Invasion thresholds for fungicide resistance: deterministic and stochastic analyses. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 2539-2549.	1.2	37
41	Environmental Drivers of Culicoides Phenology: How Important Is Species-Specific Variation When Determining Disease Policy?. PLoS ONE, 2014, 9, e111876.	1.1	35
42	Invasion of drug and pesticide resistance is determined by a trade-off between treatment efficacy and relative fitness. Bulletin of Mathematical Biology, 2004, 66, 825-840.	0.9	34
43	A test of heterogeneous mixing as a mechanism for ecological persistence in a disturbed environment. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 227-232.	1.2	33
44	Development and Evaluation of an Indirect Enzyme-Linked Immunosorbent Assay for Detection of Foot-and-Mouth Disease Virus Nonstructural Protein Antibody using a Chemically Synthesized 2B Peptide as Antigen. Journal of Veterinary Diagnostic Investigation, 2006, 18, 545-552.	0.5	33
45	Evidence of reduced viremia, pathogenicity and vector competence in a reâ€emerging European strain of bluetongue virus serotype 8 in sheep. Transboundary and Emerging Diseases, 2019, 66, 1177-1185.	1.3	33
46	Mortality and case fatality during the recurrence of BTVâ€8Âin northern Europe in 2007. Veterinary Record, 2007, 161, 571-572.	0.2	32
47	Reduction of foot-and-mouth disease (FMD) virus load in nasal excretions, saliva and exhaled air of vaccinated pigs following direct contact challenge. Vaccine, 2007, 25, 7806-7817.	1.7	32
48	Persistence of Host-parasite Interactions in a Disturbed Environment. Journal of Theoretical Biology, 1997, 188, 241-258.	0.8	30
49	Inferences about the transmission of Schmallenberg virus within and between farms. Preventive Veterinary Medicine, 2014, 116, 380-390.	0.7	30
50	Using shared needles for subcutaneous inoculation can transmit bluetongue virus mechanically between ruminant hosts. Scientific Reports, 2016, 6, 20627.	1.6	30
51	Quantifying the roles of host movement and vector dispersal in the transmission of vector-borne diseases of livestock. PLoS Computational Biology, 2017, 13, e1005470.	1.5	30
52	Quantifying and Modeling the Acquisition and Retention of Lumpy Skin Disease Virus by Hematophagus Insects Reveals Clinically but Not Subclinically Affected Cattle Are Promoters of Viral Transmission and Key Targets for Control of Disease Outbreaks. Journal of Virology, 2021, 95, .	1.5	30
53	Biological control in a disturbed environment. Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 1935-1949.	1.8	29
54	Breeding programmes for TSE resistance in British sheep. Preventive Veterinary Medicine, 2006, 73, 1-16.	0.7	29

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55	Testing of UK Populations of Culex pipiens L. for Schmallenberg Virus Vector Competence and Their Colonization. PLoS ONE, 2015, 10, e0134453.	1.1	29
56	No temporal trends in the prevalence of atypical scrapie in British sheep, 2002â€“2006. BMC Veterinary Research, 2008, 4, 13.	0.7	28
57	Investigation of Diel Activity ofCulicoidesBiting Midges (Diptera: Ceratopogonidae) in the United Kingdom by Using a Vehicle-Mounted Trap. Journal of Medical Entomology, 2012, 49, 757-765.	0.9	27
58	Bayesian inference of epidemiological parameters from transmission experiments. Scientific Reports, 2017, 7, 16774.	1.6	27
59	Vaccination of mice with a modified Vaccinia Ankara (MVA) virus expressing the African horse sickness virus (AHSV) capsid protein VP2 induces virus neutralising antibodies that confer protection against AHSV upon passive immunisation. Virus Research, 2014, 180, 23-30.	1.1	26
60	Randomised field trial to evaluate serological response after foot-and-mouth disease vaccination in Turkey. Vaccine, 2015, 33, 805-811.	1.7	26
61	Efficacy of a high-potency multivalent foot-and-mouth disease virus vaccine in cattle against heterologous challenge with a field virus from the emerging A/ASIA/G-VII lineage. Vaccine, 2018, 36, 1901-1907.	1.7	26
62	Prevalence of scrapie in sheep in Great Britain estimated from abattoir surveys during 2002 and 2003. Veterinary Record, 2005, 157, 418-419.	0.2	25
63	Mass vaccination, immunity and coverage: modelling population protection against foot-and-mouth disease in Turkish cattle. Scientific Reports, 2016, 6, 22121.	1.6	25
64	Type I and III IFNs Produced by Plasmacytoid Dendritic Cells in Response to a Member of theFlaviviridaeSuppress Cellular Immune Responses. Journal of Immunology, 2016, 196, 4214-4226.	0.4	25
65	Lumpy skin disease. EFSA Journal, 2019, 17, e05638.	0.9	25
66	Quantifying Levels of Peste Des Petits Ruminants (PPR) Virus in Excretions from Experimentally Infected Goats and Its Importance for Nascent PPR Eradication Programme. Viruses, 2019, 11, 249.	1.5	25
67	A modelling framework to describe the spread of scrapie between sheep flocks in Great Britain. Preventive Veterinary Medicine, 2005, 67, 143-155.	0.7	24
68	Predicting the Ability of Preclinical Diagnosis To Improve Control of Farm-to-Farm Foot-and-Mouth Disease Transmission in Cattle. Journal of Clinical Microbiology, 2017, 55, 1671-1681.	1.8	24
69	Evaluation of a polyvalent foot-and-mouth disease virus vaccine containing A Saudi-95 against field challenge on large-scale dairy farms in Saudi Arabia with the emerging A/ASIA/G-VII viral lineage. Vaccine, 2017, 35, 6850-6857.	1.7	24
70	Evaluating the Performance of Chemical Control in the Presence of Resistant Pathogens. Bulletin of Mathematical Biology, 2007, 69, 525-537.	0.9	23
71	Quantifying the Transmission of Foot-and-Mouth Disease Virus in Cattle via a Contaminated Environment. MBio, 2020, 11, .	1.8	23
72	Endemic persistence of a highly contagious pathogen: Foot-and-mouth disease in its wildlife host. Science, 2021, 374, 104-109.	6.0	23

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73	Assessing the consequences of an incursion of a vector-borne disease. II. Spread of bluetongue in Scotland and impact of vaccination. Epidemics, 2010, 2, 139-147.	1.5	22
74	Longâ€term shifts in the seasonal abundance of adult Culicoides biting midges and their impact on potential arbovirus outbreaks. Journal of Applied Ecology, 2019, 56, 1649-1660.	1.9	22
75	Inferences about the transmission of lumpy skin disease virus between herds from outbreaks in Albania in 2016. Preventive Veterinary Medicine, 2020, 181, 104602.	0.7	22
76	Flock-level risk factors for scrapie in Great Britain: analysis of a 2002 anonymous postal survey. BMC Veterinary Research, 2006, 2, 25.	0.7	21
77	Immune Responses in Pigs Vaccinated with Adjuvanted and Non-Adjuvanted A(H1N1)pdm/09 Influenza Vaccines Used in Human Immunization Programmes. PLoS ONE, 2012, 7, e32400.	1.1	21
78	A comparison of commercial light-emitting diode baited suction traps for surveillance of Culicoides in northern Europe. Parasites and Vectors, 2015, 8, 239.	1.0	21
79	Epidemiological Characteristics of Classical Scrapie Outbreaks in 30 Sheep Flocks in the United Kingdom. PLoS ONE, 2008, 3, e3994.	1.1	21
80	Breeding programmes for TSE resistance in British sheep. Preventive Veterinary Medicine, 2006, 73, 17-31.	0.7	20
81	Quantitative assessment of the probability of bluetongue virus overwintering by horizontal transmission: application to Germany. Veterinary Research, 2011, 42, 4.	1.1	20
82	Scaling from challenge experiments to the field: Quantifying the impact of vaccination on the transmission of bluetongue virus serotype 8. Preventive Veterinary Medicine, 2012, 105, 297-308.	0.7	20
83	Antiserum from mice vaccinated with modified vaccinia Ankara virus expressing African horse sickness virus (AHSV) VP2 provides protection when it is administered 48h before, or 48h after challenge. Antiviral Research, 2015, 116, 27-33.	1.9	20
84	Cattle NK Cell Heterogeneity and the Influence of MHC Class I. Journal of Immunology, 2015, 195, 2199-2206.	0.4	20
85	Using the basic reproduction number to assess the risk of transmission of lumpy skin disease virus by biting insects. Transboundary and Emerging Diseases, 2019, 66, 1873-1883.	1.3	20
86	Descriptive analysis of the results of an anonymous postal survey of the occurrence of scrapie in Great Britain in 2002. Veterinary Record, 2006, 158, 501-506.	0.2	19
87	Can insecticide-treated netting provide protection for Equids from Culicoides biting midges in the United Kingdom?. Parasites and Vectors, 2015, 8, 604.	1.0	19
88	Magnitude and Kinetics of T Cell and Antibody Responses During H1N1pdm09 Infection in Inbred Babraham Pigs and Outbred Pigs. Frontiers in Immunology, 2020, 11, 604913.	2.2	19
89	Quantifying the Risk of Localised Animal Movement Bans for Foot-and-Mouth Disease. PLoS ONE, 2009, 4, e5481.	1.1	19
90	Results of a postal survey in 2002 into the occurrence of scrapie in Great Britain. Veterinary Record, 2003, 153, 782-3.	0.2	19

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91	Searching for BSE in sheep: interpreting the results so far. Veterinary Record, 2003, 152, 298-299.	0.2	18
92	Cattle remain immunocompetent during the acute phase of foot-and-mouth disease virus infection. Veterinary Research, 2011, 42, 108.	1.1	18
93	Modelling the continental-scale spread of Schmallenberg virus in Europe: Approaches and challenges. Preventive Veterinary Medicine, 2014, 116, 404-411.	0.7	18
94	Blood-feeding, susceptibility to infection with Schmallenberg virus and phylogenetics of Culicoides (Diptera: Ceratopogonidae) from the United Kingdom. Parasites and Vectors, 2018, 11, 116.	1.0	18
95	Assessing the consequences of an incursion of a vector-borne disease. Epidemics, 2010, 2, 148-154.	1.5	17
96	In-vitro and in-vivo phenotype of type Asia 1 foot-and-mouth disease viruses utilizing two non-RGD receptor recognition sites. BMC Microbiology, 2011, 11, 154.	1.3	17
97	Does covering of farm-associated Culicoides larval habitat reduce adult populations in the United Kingdom?. Veterinary Parasitology, 2014, 201, 137-145.	0.7	17
98	Simulation of the options for a national control programme to eradicate scrapie from Great Britain. Preventive Veterinary Medicine, 2005, 69, 175-187.	0.7	16
99	Assessment of T-dependent and T-independent immune responses in cattle using a B cell ELISPOT assay. Veterinary Research, 2012, 43, 68.	1.1	16
100	The immunogenicity of recombinant vaccines based on modified Vaccinia Ankara (MVA) viruses expressing African horse sickness virus VP2 antigens depends on the levels of expressed VP2 protein delivered to the host. Antiviral Research, 2018, 154, 132-139.	1.9	15
101	Environmental and air sampling are efficient methods for the detection and quantification of foot-and-mouth disease virus. Journal of Virological Methods, 2021, 287, 113988.	1.0	15
102	Airborne Transmission of Foot-and-Mouth Disease Virus: A Review of Past and Present Perspectives. Viruses, 2022, 14, 1009.	1.5	15
103	Analysis of clinical signs associated with bovine spongiform encephalopathy in casualty slaughter cattle. Veterinary Journal, 2006, 171, 438-444.	0.6	14
104	Culicoides species composition and molecular identification of host blood meals at two zoos in the UK. Parasites and Vectors, 2020, 13, 139.	1.0	14
105	Prevalence of sheep infected with classical scrapie in Great Britain: integrating multiple sources of surveillance data for 2002. Journal of the Royal Society Interface, 2008, 5, 1343-1351.	1.5	13
106	Comparison of pre-emptive and reactive strategies to control an incursion of bluetongue virus serotype 1 to Great Britain by vaccination. Epidemiology and Infection, 2013, 141, 102-114.	1.0	13
107	Lumpy skin disease: scientific and technical assistance on control and surveillance activities. EFSA Journal, 2018, 16, e05452.	0.9	13
108	Scientific Opinion on the assessment of the control measures of the category A diseases of Animal Health Law: African Swine Fever. EFSA Journal, 2021, 19, e06402.	0.9	13

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109	Inferring withinâ€flock transmission dynamics of highly pathogenic avian influenza H5N8 virus in France, 2020. Transboundary and Emerging Diseases, 2021, 68, 3151-3155.	1.3	13
110	Prevalence of scrapie infection in Great Britain: interpreting the results of the 1997â€“1998 abattoir survey. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1919-1924.	1.2	12
111	Foot-and-mouth disease: Measurements of aerosol emission from pigs as a function of virus strain and initial dose. Veterinary Journal, 2008, 177, 374-380.	0.6	12
112	Associations between lamb survival and prion protein genotype: analysis of data for ten sheep breeds in Great Britain. BMC Veterinary Research, 2009, 5, 3.	0.7	12
113	Prevalence of sheep infected with classical scrapie in Great Britain, 1993â€“2007. Epidemiology and Infection, 2009, 137, 787-791.	1.0	12
114	Environmental Sampling as a Low-Technology Method for Surveillance of Foot-and-Mouth Disease Virus in an Area of Endemicity. Applied and Environmental Microbiology, 2018, 84, .	1.4	12
115	The accuracy of the National Equine Database in relation to vector-borne disease risk modelling of horses in Great Britain. Equine Veterinary Journal, 2013, 45, 302-308.	0.9	11
116	Transmission of foot-and-mouth disease virus from experimentally infected Indian buffalo (Bubalus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	11
117	The effect of vaccination on undetected persistence of foot-and-mouth disease virus in cattle herds and sheep flocks. Epidemiology and Infection, 2009, 137, 1494-1504.	1.0	10
118	Foot-and-Mouth Disease Surveillance Using Pooled Milk on a Large-Scale Dairy Farm in an Endemic Setting. Frontiers in Veterinary Science, 2020, 7, 264.	0.9	10
119	Towards a unified generic framework to define and observe contacts between livestock and wildlife: a systematic review. PeerJ, 2020, 8, e10221.	0.9	10
120	Results of a postal survey of scrapie in the Shetland Islands in 2003. Veterinary Record, 2006, 158, 255-260.	0.2	9
121	IL-6 production following vaccination in pigsâ€”An additional immune response parameter for assessing FMD vaccine efficacy?. Vaccine, 2011, 29, 4704-4708.	1.7	9
122	An ex-ante economic appraisal of Bluetongue virus incursions and control strategies. Journal of Agricultural Science, 2016, 154, 118-135.	0.6	9
123	Evaluating the most appropriate pooling ratio for EDTA blood samples to detect Bluetongue virus using real-time RT-PCR. Veterinary Microbiology, 2018, 217, 58-63.	0.8	9
124	Origin of Bluetongue Virus Serotype 8 Outbreak in Cyprus, September 2016. Viruses, 2020, 12, 96.	1.5	9
125	Field-Reassortment of Bluetongue Virus Illustrates Plasticity of Virus Associated Phenotypic Traits in the Arthropod Vector and Mammalian Host In Vivo. Journal of Virology, 2022, 96, .	1.5	9
126	Assessment of reproducibility of a VP7 Blocking ELISA diagnostic test for African horse sickness. Transboundary and Emerging Diseases, 2019, 66, 83-90.	1.3	8

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127	Thermal limits for flight activity of field-collected Culicoides in the United Kingdom defined under laboratory conditions. Parasites and Vectors, 2021, 14, 55.	1.0	8
128	Environmental sampling for the detection of footâ€andâ€mouth disease virus and peste des petits ruminants virus in a live goat market, Nepal. Transboundary and Emerging Diseases, 2022, 69, 3041-3046.	1.3	8
129	80 questions for UK biological security. PLoS ONE, 2021, 16, e0241190.	1.1	8
130	The B-cell response to foot-and-mouth-disease virus in cattle following vaccination and live-virus challenge. Journal of General Virology, 2016, 97, 2201-2209.	1.3	8
131	Rift Valley Fever â€“ assessment of effectiveness of surveillance and control measures in the EU. EFSA Journal, 2020, 18, e06292.	0.9	7
132	Investigation of bovine ephemeral fever virus transmission by putative dipteran vectors under experimental conditions. Parasites and Vectors, 2020, 13, 597.	1.0	7
133	Scientific Opinion on the assessment of the control measures of the category A diseases of Animal Health Law: African Horse Sickness. EFSA Journal, 2021, 19, e06403.	0.9	7
134	The role of mathematical modelling in understanding the epidemiology and control of sheep transmissible spongiform encephalopathies: a review. Veterinary Research, 2010, 41, 42.	1.1	7
135	Cross-Serotype Reactivity of ELISAs Used to Detect Antibodies to the Structural Proteins of Foot-and-Mouth Disease Virus. Viruses, 2022, 14, 1495.	1.5	7
136	Characterising Foot-and-Mouth Disease Virus in Clinical Samples Using Nanopore Sequencing. Frontiers in Veterinary Science, 2021, 8, 656256.	0.9	6
137	Identification of a BTV-Strain-Specific Single Gene That Increases Culicoides Vector Infection Rate. Viruses, 2021, 13, 1781.	1.5	6
138	The time-course of a scrapie outbreak. BMC Veterinary Research, 2006, 2, 20.	0.7	5
139	Using Mathematical Modelling to Explore Hypotheses about the Role of Bovine Epithelium Structure in Foot-And-Mouth Disease Virus-Induced Cell Lysis. PLoS ONE, 2015, 10, e0138571.	1.1	5
140	Diversity of Transmission Outcomes Following Co-Infection of Sheep with Strains of Bluetongue Virus Serotype 1 and 8. Microorganisms, 2020, 8, 851.	1.6	5
141	Assessment of the control measures for category A diseases of Animal Health Law: Lumpy Skin Disease. EFSA Journal, 2022, 20, e07121.	0.9	5
142	The impact of sheep breed on the risk of classical scrapie. Epidemiology and Infection, 2010, 138, 384-392.	1.0	4
143	Demographic characteristics of scrapie-affected holdings identified by active and passive surveillance schemes in Great Britain: 2002â€“2005. Veterinary Journal, 2011, 187, 207-211.	0.6	4
144	Assessment of the control measures of the category A diseases of Animal Health Law: peste des petits ruminants. EFSA Journal, 2021, 19, e06708.	0.9	4

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145	Implications of Conflicting Associations of the Prion Protein (PrP) Gene with Scrapie Susceptibility and Fitness on the Persistence of Scrapie. PLoS ONE, 2009, 4, e7970.	1.1	4
146	A Comparison of Dynamics in Two Models for the Spread of a Vector-Borne Disease. Transboundary and Emerging Diseases, 2016, 63, 215-223.	1.3	3
147	Sheep breed and shearing influences attraction and blood-feeding behaviour of Culicoides (Diptera:) Tj ETQq1 1 0.784314 rgBT /Over	1.0	3
148	Towards a Sampling Rationale for African Swine Fever Virus Detection in Pork Products. Foods, 2020, 9, 1148.	1.9	3
149	Scientific Opinion on the assessment of the control measures for category A diseases of Animal Health Law: Foot and Mouth Disease. EFSA Journal, 2021, 19, e06632.	0.9	3
150	Assessment of the control measures of the category A diseases of Animal Health Law: sheep and goat pox. EFSA Journal, 2021, 19, e06933.	0.9	2
151	A Bayesian framework to assess the potential for controlling classical scrapie in sheep flocks using a live diagnostic test. Epidemics, 2013, 5, 123-130.	1.5	1
152	Risk-based surveillance for bluetongue virus in cattle on the south coast of England in 2017 and 2018. Veterinary Record, 2020, 187, e96-e96.	0.2	1
153	Two Lineages of KLRA with Contrasting Transcription Patterns Have Been Conserved at a Single Locus during Ruminant Speciation. Journal of Immunology, 2020, 204, 2455-2463.	0.4	1
154	The importance of fineâ€scale predictors of wild boar habitat use in an isolated population. Ecology and Evolution, 2022, 12, .	0.8	1
155	Emergence dynamics of adult Culicoides biting midges at two farms in south-east England. Parasites and Vectors, 2022, 15, .	1.0	0