Fraser I Lewis

List of Publications by Year
in descending order

46 papers	1,551 citations	361413 20 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	2931 citing authors

#	Article	IF	Citations
1	Offspring Birth Weight Is Associated with Specific Preconception Maternal Food Group Intake: Data from a Linked Population-Based Birth Cohort. Nutrients, 2020, 12, 3172.	4.1	3
2	Bayesian Network Modeling Applied to Feline Calicivirus Infection Among Cats in Switzerland. Frontiers in Veterinary Science, 2020, 7, 73.	2.2	15
3	Associations between preconception macronutrient intake and birth weight across strata of maternal BMI. PLoS ONE, 2020, 15, e0243200.	2.5	8
4	Introducing a drift and diffusion framework for childhood growth research. Gates Open Research, 2020, 4, 71.	1.1	0
5	A combined microphysiological-computational omics approach in dietary protein evaluation. Npj Science of Food, 2020, 4, 22.	5.5	2
6	A Pharmacokinetic Study of an Ibuprofen Topical Patch in Healthy Male and Female Adult Volunteers. Clinical Pharmacology in Drug Development, 2018, 7, 684-691.	1.6	13
7	Efficacy and tolerability of a new ibuprofen 200mg plaster in patients with acute sports-related traumatic blunt soft tissue injury/contusion. Postgraduate Medicine, 2018, 130, 24-31.	2.0	10
8	The current and future burden of late-onset dementia in the United Kingdom: Estimates and interventions. , 2017, 13, 38-44.		8
9	Bayesian network modeling of early growth stages explains yam interplant yield variability and allows for agronomic improvements in West Africa. European Journal of Agronomy, 2016, 75, 80-88.	4.1	24
10	Latent porcine circovirus type 2-infected domestic pigs: A potential infection model for the effective development of vaccines against latent or chronic virus induced diseases. Vaccine, 2016, 34, 1047-1053.	3.8	7
11	T-cell reprogramming through targeted CD4-coreceptor and T-cell receptor expression on maturing thymocytes by latent *Circoviridae* family member porcine circovirus type 2 cell infections in the thymus. Emerging Microbes and Infections, 2015, 4, 1-12.	6.5	20
12	Dynamics of the Force of Infection: Insights from Echinococcus multilocularis Infection in Foxes. PLoS Neglected Tropical Diseases, 2014, 8, e2731.	3.0	25
13	Transarticular Fixation With Cortical Screws Combined With Dorsal Laminectomy and Partial Discectomy as Surgical Treatment of Degenerative Lumbosacral Stenosis in 17 Dogs: Clinical and Computed Tomography Followâ€Up. Veterinary Surgery, 2014, 43, 405-413.	1.0	19
14	High-resolution manometric evaluation of the effects of cisapride and metoclopramide hydrochloride administered orally on lower esophageal sphincter pressure in awake dogs. American Journal of Veterinary Research, 2014, 75, 361-366.	0.6	28
15	Applying Bayesian network modelling to understand the links between on-farm biosecurity practice during the 2007 equine influenza outbreak and horse managersâ€™ perceptions of a subsequent outbreak. Preventive Veterinary Medicine, 2014, 116, 243-251.	1.9	22
16	Improving epidemiologic data analyses through multivariate regression modelling. Emerging Themes in Epidemiology, 2013, 10, 4.	2.7	52
17	Bayesian Graphical modelling: Applications in veterinary epidemiology. Preventive Veterinary Medicine, 2013, 110, 1-3.	1.9	10
18	Assessment of diagnostic accuracy of a commercial ELISA for the detection of Toxoplasma gondii infection in pigs compared with IFAT, TgSAG1-ELISA and Western blot, using a Bayesian latent class approach. International Journal for Parasitology, 2013, 43, 565-570.	3.1	58

#	ARTICLE	IF	CITATIONS
19	Understanding the associations between on-farm biosecurity practice and equine influenza infection during the 2007 outbreak in Australia. Preventive Veterinary Medicine, 2013, 110, 28-36.	1.9	17
20	Investigating the impact of fasciolosis on cattle carcase performance. Veterinary Parasitology, 2013, 193, 307-311.	1.8	39
21	Identifying associations in Escherichia coli antimicrobial resistance patterns using additive Bayesian networks. Preventive Veterinary Medicine, 2013, 110, 64-75.	1.9	34
22	Untangling the complex inter-relationships between horse managers' perceptions of effectiveness of biosecurity practices using Bayesian graphical modelling. Preventive Veterinary Medicine, 2013, 110, 37-44.	1.9	11
23	Revealing the Complexity of Health Determinants in Resource-poor Settings. American Journal of Epidemiology, 2012, 176, 1051-1059.	3.4	56
24	Association between covariates and disease occurrence in the presence of diagnostic error. Epidemiology and Infection, 2012, 140, 1515-1524.	2.1	7
25	Network modeling of BVD transmission. Veterinary Research, 2012, 43, 11.	3.0	31
26	The contribution of simple random sampling to observed variations in faecal egg counts. Veterinary Parasitology, 2012, 188, 397-401.	1.8	39
27	Identifying associations between pig pathologies using a multi-dimensional machine learning methodology. BMC Veterinary Research, 2012, 8, 151.	1.9	26
28	A tutorial in estimating the prevalence of disease in humans and animals in the absence of a gold standard diagnostic. Emerging Themes in Epidemiology, 2012, 9, 9.	2.7	64
29	Using seasonal-trend decomposition based on loess (STL) to explore temporal patterns of pneumonic lesions in finishing pigs slaughtered in England, 2005–2011. Preventive Veterinary Medicine, 2012, 104, 65-73.	1.9	35
30	National monitoring of Ascaris suum related liver pathologies in English abattoirs: A time-series analysis, 2005–2010. Veterinary Parasitology, 2012, 184, 83-87.	1.8	21
31	A unified approach to model selection using the likelihood ratio test. Methods in Ecology and Evolution, 2011, 2, 155-162.	5.2	189
32	Identification of factors influencing the occurrence of milk spot livers in slaughtered pigs: A novel approach to understanding Ascaris suum epidemiology in British farmed pigs. Veterinary Parasitology, 2010, 173, 271-279.	1.8	32
33	Bayesian inference for within-herd prevalence of Leptospira interrogans serovar Hardjo using bulk milk antibody testing. Biostatistics, 2009, 10, 719-728.	1.5	15
34	Episodic Sexual Transmission of HIV Revealed by Molecular Phylodynamics. PLoS Medicine, 2008, 5, e50.	8.4	326
35	Spidermonkey: rapid detection of co-evolving sites using Bayesian graphical models. Bioinformatics, 2008, 24, 1949-1950.	4.1	75
36	Genetic basis of variation in tenofovir drug susceptibility in HIV-1. Aids, 2008, 22, 1113-1123.	2.2	7

#	ARTICLE	IF	CITATIONS
37	Evolutionary Interactions between N-Linked Glycosylation Sites in the HIV-1 Envelope. PLoS Computational Biology, 2007, 3, e11.	3.2	63
38	An Evolutionary-Network Model Reveals Stratified Interactions in the V3 Loop of the HIV-1 Envelope. PLoS Computational Biology, 2007, 3, e231.	3.2	103
39	The Basic Reproduction Number and the Vaccination Coverage Required to Eliminate Rubella from England and Wales. Mathematical Population Studies, 2007, 14, 3-29.	2.2	6
40	An Evolutionary-Network Model Reveals Stratified Interactions in the V3 Loop of the HIV-1 Envelope. PLoS Computational Biology, 2005, preprint, e231.	3.2	0
41	The general mixing of addicts and needles in a variable-infectivity needle-sharing environment. Journal of Mathematical Biology, 2002, 44, 561-598.	1.9	12
42	Three stage AIDS incubation period: a worst case scenario using addictâ€"needle interaction assumptions. Mathematical Biosciences, 2001, 169, 53-87.	1.9	11
43	Stochastic models for the spread of HIV amongst intravenous drug users. Stochastic Models, 2001, 17, 491-512.	0.5	5
44	EFFECTS OF VARIABLE INFECTIVITY ON THE SPREAD OF HIV/AIDS AMONG INTRAVENOUS DRUG USERS. Journal of Biological Systems, 2001, 09, 13-40.	1.4	3
45	Three-stage AIDS incubation period: a best case scenario using addict-needle interaction assumptions. IMA Journal of Mathematical Control and Information, 2000, 17, 95-118.	1.7	0
46	Introducing a drift and diffusion framework for childhood growth research. Gates Open Research, 0, 4, 71.	1.1	0