

# Fraser I Lewis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9374243/publications.pdf>

Version: 2024-02-01

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	Episodic Sexual Transmission of HIV Revealed by Molecular Phylodynamics. <i>PLoS Medicine</i> , 2008, 5, e50.	8.4	326
2	A unified approach to model selection using the likelihood ratio test. <i>Methods in Ecology and Evolution</i> , 2011, 2, 155-162.	5.2	189
3	An Evolutionary-Network Model Reveals Stratified Interactions in the V3 Loop of the HIV-1 Envelope. <i>PLoS Computational Biology</i> , 2007, 3, e231.	3.2	103
4	Spidermonkey: rapid detection of co-evolving sites using Bayesian graphical models. <i>Bioinformatics</i> , 2008, 24, 1949-1950.	4.1	75
5	A tutorial in estimating the prevalence of disease in humans and animals in the absence of a gold standard diagnostic. <i>Emerging Themes in Epidemiology</i> , 2012, 9, 9.	2.7	64
6	Evolutionary Interactions between N-Linked Glycosylation Sites in the HIV-1 Envelope. <i>PLoS Computational Biology</i> , 2007, 3, e11.	3.2	63
7	Assessment of diagnostic accuracy of a commercial ELISA for the detection of <i>Toxoplasma gondii</i> infection in pigs compared with IFAT, TgSAG1-ELISA and Western blot, using a Bayesian latent class approach. <i>International Journal for Parasitology</i> , 2013, 43, 565-570.	3.1	58
8	Revealing the Complexity of Health Determinants in Resource-poor Settings. <i>American Journal of Epidemiology</i> , 2012, 176, 1051-1059.	3.4	56
9	Improving epidemiologic data analyses through multivariate regression modelling. <i>Emerging Themes in Epidemiology</i> , 2013, 10, 4.	2.7	52
10	The contribution of simple random sampling to observed variations in faecal egg counts. <i>Veterinary Parasitology</i> , 2012, 188, 397-401.	1.8	39
11	Investigating the impact of fasciolosis on cattle carcass performance. <i>Veterinary Parasitology</i> , 2013, 193, 307-311.	1.8	39
12	Using seasonal-trend decomposition based on loess (STL) to explore temporal patterns of pneumonic lesions in finishing pigs slaughtered in England, 2005-2011. <i>Preventive Veterinary Medicine</i> , 2012, 104, 65-73.	1.9	35
13	Identifying associations in <i>Escherichia coli</i> antimicrobial resistance patterns using additive Bayesian networks. <i>Preventive Veterinary Medicine</i> , 2013, 110, 64-75.	1.9	34
14	Identification of factors influencing the occurrence of milk spot livers in slaughtered pigs: A novel approach to understanding <i>Ascaris suum</i> epidemiology in British farmed pigs. <i>Veterinary Parasitology</i> , 2010, 173, 271-279.	1.8	32
15	Network modeling of BVD transmission. <i>Veterinary Research</i> , 2012, 43, 11.	3.0	31
16	High-resolution manometric evaluation of the effects of cisapride and metoclopramide hydrochloride administered orally on lower esophageal sphincter pressure in awake dogs. <i>American Journal of Veterinary Research</i> , 2014, 75, 361-366.	0.6	28
17	Identifying associations between pig pathologies using a multi-dimensional machine learning methodology. <i>BMC Veterinary Research</i> , 2012, 8, 151.	1.9	26
18	Dynamics of the Force of Infection: Insights from <i>Echinococcus multilocularis</i> Infection in Foxes. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2731.	3.0	25

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19	Bayesian network modeling of early growth stages explains yam interplant yield variability and allows for agronomic improvements in West Africa. <i>European Journal of Agronomy</i> , 2016, 75, 80-88.	4.1	24
20	Applying Bayesian network modelling to understand the links between on-farm biosecurity practice during the 2007 equine influenza outbreak and horse managers'™ perceptions of a subsequent outbreak. <i>Preventive Veterinary Medicine</i> , 2014, 116, 243-251.	1.9	22
21	National monitoring of <i>Ascaris suum</i> related liver pathologies in English abattoirs: A time-series analysis, 2005-2010. <i>Veterinary Parasitology</i> , 2012, 184, 83-87.	1.8	21
22	T-cell reprogramming through targeted CD4-coreceptor and T-cell receptor expression on maturing thymocytes by latent <i>Circoviridae</i> family member porcine circovirus type 2 cell infections in the thymus. <i>Emerging Microbes and Infections</i> , 2015, 4, 1-12.	6.5	20
23	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 Follow-up. <i>Veterinary Surgery</i> , 2014, 43, 405-413.	1.0	19
24	Understanding the associations between on-farm biosecurity practice and equine influenza infection during the 2007 outbreak in Australia. <i>Preventive Veterinary Medicine</i> , 2013, 110, 28-36.	1.9	17
25	Bayesian inference for within-herd prevalence of <i>Leptospira interrogans</i> serovar Hardjo using bulk milk antibody testing. <i>Biostatistics</i> , 2009, 10, 719-728.	1.5	15
26	Bayesian Network Modeling Applied to Feline Calicivirus Infection Among Cats in Switzerland. <i>Frontiers in Veterinary Science</i> , 2020, 7, 73.	2.2	15
27	A Pharmacokinetic Study of an Ibuprofen Topical Patch in Healthy Male and Female Adult Volunteers. <i>Clinical Pharmacology in Drug Development</i> , 2018, 7, 684-691.	1.6	13
28	The general mixing of addicts and needles in a variable-infectivity needle-sharing environment. <i>Journal of Mathematical Biology</i> , 2002, 44, 561-598.	1.9	12
29	Three stage AIDS incubation period: a worst case scenario using addict's™ needle interaction assumptions. <i>Mathematical Biosciences</i> , 2001, 169, 53-87.	1.9	11
30	Untangling the complex inter-relationships between horse managers'™ perceptions of effectiveness of biosecurity practices using Bayesian graphical modelling. <i>Preventive Veterinary Medicine</i> , 2013, 110, 37-44.	1.9	11
31	Bayesian Graphical modelling: Applications in veterinary epidemiology. <i>Preventive Veterinary Medicine</i> , 2013, 110, 1-3.	1.9	10
32	Efficacy and tolerability of a new ibuprofen 200mg plaster in patients with acute sports-related traumatic blunt soft tissue injury/contusion. <i>Postgraduate Medicine</i> , 2018, 130, 24-31.	2.0	10
33	The current and future burden of late-onset dementia in the United Kingdom: Estimates and interventions. , 2017, 13, 38-44.		8
34	Associations between preconception macronutrient intake and birth weight across strata of maternal BMI. <i>PLoS ONE</i> , 2020, 15, e0243200.	2.5	8
35	Genetic basis of variation in tenofovir drug susceptibility in HIV-1. <i>Aids</i> , 2008, 22, 1113-1123.	2.2	7
36	Association between covariates and disease occurrence in the presence of diagnostic error. <i>Epidemiology and Infection</i> , 2012, 140, 1515-1524.	2.1	7

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37	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. <i>Vaccine</i> , 2016, 34, 1047-1053.	3.8	7
38	The Basic Reproduction Number and the Vaccination Coverage Required to Eliminate Rubella from England and Wales. <i>Mathematical Population Studies</i> , 2007, 14, 3-29.	2.2	6
39	Stochastic models for the spread of HIV amongst intravenous drug users. <i>Stochastic Models</i> , 2001, 17, 491-512.	0.5	5
40	EFFECTS OF VARIABLE INFECTIVITY ON THE SPREAD OF HIV/AIDS AMONG INTRAVENOUS DRUG USERS. <i>Journal of Biological Systems</i> , 2001, 09, 13-40.	1.4	3
41	Offspring Birth Weight Is Associated with Specific Preconception Maternal Food Group Intake: Data from a Linked Population-Based Birth Cohort. <i>Nutrients</i> , 2020, 12, 3172.	4.1	3
42	A combined microphysiological-computational omics approach in dietary protein evaluation. <i>Npj Science of Food</i> , 2020, 4, 22.	5.5	2
43	Three-stage AIDS incubation period: a best case scenario using addict-needle interaction assumptions. <i>IMA Journal of Mathematical Control and Information</i> , 2000, 17, 95-118.	1.7	0
44	An Evolutionary-Network Model Reveals Stratified Interactions in the V3 Loop of the HIV-1 Envelope. <i>PLoS Computational Biology</i> , 2005, preprint, e231.	3.2	0
45	Introducing a drift and diffusion framework for childhood growth research. <i>Gates Open Research</i> , 2020, 4, 71.	1.1	0
46	Introducing a drift and diffusion framework for childhood growth research. <i>Gates Open Research</i> , 0, 4, 71.	1.1	0