

William J Browne

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5582851/william-j-browne-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119
papers

14,425
citations

39
h-index

120
g-index

131
ext. papers

18,063
ext. citations

3.4
avg, IF

6.55
L-index

#	Paper	IF	Citations
119	Comparing aerosol number and mass exhalation rates from children and adults during breathing, speaking and singing.. <i>Interface Focus</i> , 2022 , 12, 20210078	3.9	2
118	Assessing animal welfare: a triangulation of preference, judgement bias and other candidate welfare indicators. <i>Animal Behaviour</i> , 2022 , 186, 151-177	2.8	0
117	The Early Humor Survey (EHS): A reliable parent-report measure of humor development for 1- to 47-month-olds. <i>Behavior Research Methods</i> , 2021 , 1	6.1	0
116	Aerosol and droplet generation from performing with woodwind and brass instruments. <i>Aerosol Science and Technology</i> , 2021 , 55, 1277-1287	3.4	4
115	The Early Social Cognition Inventory (ESCI): An examination of its psychometric properties from birth to 47 months. <i>Behavior Research Methods</i> , 2021 , 1	6.1	1
114	A Large-Scale Replication of the Effectiveness of the KiVa Antibullying Program: a Randomized Controlled Trial in the Netherlands. <i>Prevention Science</i> , 2020 , 21, 627-638	4	13
113	The ARRIVE guidelines 2.0: updated guidelines for reporting animal research. <i>BMJ Open Science</i> , 2020 , 4, e100115	4.6	30
112	Partitioning variation in multilevel models for count data. <i>Psychological Methods</i> , 2020 , 25, 787-801	7.1	9
111	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>BMC Veterinary Research</i> , 2020 , 16, 242	2.7	42
110	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>PLoS Biology</i> , 2020 , 18, e3000410	9.7	757
109	Reporting animal research: Explanation and elaboration for the ARRIVE guidelines 2.0. <i>PLoS Biology</i> , 2020 , 18, e3000411	9.7	352
108	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 1769-1777	7.3	220
107	Quantifying defence cascade responses as indicators of pig affect and welfare using computer vision methods. <i>Scientific Reports</i> , 2020 , 10, 8933	4.9	3
106	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>British Journal of Pharmacology</i> , 2020 , 177, 3617-3624	8.6	99
105	Cage aggression in group-housed laboratory male mice: an international data crowdsourcing project. <i>Scientific Reports</i> , 2019 , 9, 15211	4.9	24
104	State-dependent judgement bias in : evidence for evolutionarily primitive affective processes. <i>Biology Letters</i> , 2018 , 14,	3.6	9
103	Multilevel growth curve models that incorporate a random coefficient model for the level 1 variance function. <i>Statistical Methods in Medical Research</i> , 2018 , 27, 3478-3491	2.3	11

102	A Bayesian model for measurement and misclassification errors alongside missing data, with an application to higher education participation in Australia. <i>Journal of Applied Statistics</i> , 2018 , 45, 918-931 ¹	5
101	Experimentally manipulating light spectra reveals the importance of dark corridors for commuting bats. <i>Global Change Biology</i> , 2018 , 24, 5909-5918	11.4 25
100	Revision of the ARRIVE guidelines: rationale and scope. <i>BMJ Open Science</i> , 2018 , 2, e000002	4.6 20
99	Early-life risk factors identified for owner-reported feline overweight and obesity at around two years of age. <i>Preventive Veterinary Medicine</i> , 2017 , 143, 39-48	3.1 19
98	Multilevel Models 2016 , 1-8	
97	Temperament, age and weather predict social interaction in the sheep flock. <i>Behavioural Processes</i> , 2016 , 131, 53-8	1.6 9
96	A Longitudinal Mixed Logit Model for Estimation of Push and Pull Effects in Residential Location Choice. <i>Journal of the American Statistical Association</i> , 2016 , 111, 1061-1074	2.8 2
95	R2MLwiN: A Package to RunMLwiNfrom withinR. <i>Journal of Statistical Software</i> , 2016 , 72,	7.3 37
94	Covariance Weighted Procrustes Analysis 2016 , 189-209	2
93	Intermediate Notation for Provenance and Workflow Reproducibility. <i>Lecture Notes in Computer Science</i> , 2016 , 83-94	0.9 3
92	Mitigating the Impact of Bats in Historic Churches: The Response of Natterer's Bats <i>Myotis nattereri</i> to Artificial Roosts and Deterrence. <i>PLoS ONE</i> , 2016 , 11, e0146782	3.7 10
91	A Screen-Peck Task for Investigating Cognitive Bias in Laying Hens. <i>PLoS ONE</i> , 2016 , 11, e0158222	3.7 18
90	Sequential sampling: a novel method in farm animal welfare assessment. <i>Animal</i> , 2016 , 10, 349-56	3.1 7
89	A Bayesian micro-simulation to evaluate the cost-effectiveness of interventions for mastitis control during the dry period in UK dairy herds. <i>Preventive Veterinary Medicine</i> , 2016 , 133, 64-72	3.1 6
88	Risk factors identified for owner-reported feline obesity at around one year of age: Dry diet and indoor lifestyle. <i>Preventive Veterinary Medicine</i> , 2015 , 121, 273-81	3.1 43
87	Assessing changes in the UK pet cat and dog populations: numbers and household ownership. <i>Veterinary Record</i> , 2015 , 177, 259	0.9 50
86	Managing Conflict between Bats and Humans: The Response of Soprano Pipistrelles (<i>Pipistrellus pygmaeus</i>) to Exclusion from Roosts in Houses. <i>PLoS ONE</i> , 2015 , 10, e0131825	3.7 10
85	Housing conditions affect rat responses to two types of ambiguity in a reward-reward discrimination cognitive bias task. <i>Behavioural Brain Research</i> , 2014 , 274, 73-83	3.4 29

84	Left ventricular radial colour and longitudinal pulsed-wave tissue Doppler echocardiography in 39 healthy domestic pet rabbits. <i>Research in Veterinary Science</i> , 2014 , 97, 376-81	2.5	3
83	Implementing Welfare Quality [®] in UK assurance schemes: evaluating the challenges. <i>Animal Welfare</i> , 2014 , 23, 95-107	2.9	19
82	Navigating the iceberg: reducing the number of parameters within the Welfare Quality(®) assessment protocol for dairy cows. <i>Animal</i> , 2014 , 8, 1978-86	3.1	31
81	The place of experimental design and statistics in the 3Rs. <i>ILAR Journal</i> , 2014 , 55, 477-85	1.7	26
80	Multiple-membership multiple-classification models for social network and group dependences. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2014 , 177, 439-455	2.1	77
79	Modeling Heterogeneous Variance-Covariance Components in Two-Level Models. <i>Journal of Educational and Behavioral Statistics</i> , 2014 , 39, 307-332	1.7	50
78	Elastography of the normal canine liver, spleen and kidneys. <i>Veterinary Radiology and Ultrasound</i> , 2014 , 55, 620-7	1.2	32
77	Scientific rigor and the art of motorcycle maintenance. <i>Nature Biotechnology</i> , 2014 , 32, 871-3	44.5	26
76	Improving Bioscience Research Reporting: The ARRIVE Guidelines for Reporting Animal Research. <i>Animals</i> , 2014 , 4, 35-44	3.1	92
75	Fitting multilevel multivariate models with missing data in responses and covariates that may include interactions and non-linear terms. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2014 , 177, 553-564	2.1	53
74	M-mode, two-dimensional and Doppler echocardiographic findings in 40 healthy domestic pet rabbits. <i>Journal of Veterinary Cardiology</i> , 2014 , 16, 101-8	1.9	12
73	Bayesian mixture models for partially verified data: age- and stage-specific discriminatory power of an antibody ELISA for paratuberculosis. <i>Preventive Veterinary Medicine</i> , 2013 , 111, 200-5	3.1	8
72	Positive affective state induced by opioid analgesia in laying hens with bone fractures. <i>Applied Animal Behaviour Science</i> , 2013 , 147, 127-131	2.2	39
71	Male mice housed in groups engage in frequent fighting and show a lower response to additional bone loading than females or individually housed males that do not fight. <i>Bone</i> , 2013 , 54, 113-7	4.7	51
70	Factors associated with herd restriction and de-restriction with bovine tuberculosis in British cattle herds. <i>Preventive Veterinary Medicine</i> , 2013 , 111, 31-41	3.1	2
69	Outcomes and complications associated with epicardial pacemakers in 28 dogs and 5 cats. <i>Veterinary Surgery</i> , 2013 , 42, 544-50	1.7	21
68	Do Formal Inspections Ensure that British Zoos Meet and Improve on Minimum Animal Welfare Standards?. <i>Animals</i> , 2013 , 3, 1058-72	3.1	5
67	Sample size estimation to substantiate freedom from disease for clustered binary data with a specific risk profile. <i>Epidemiology and Infection</i> , 2013 , 141, 1318-27	4.3	1

66	The anterior tooth development of cattle presented for slaughter: an analysis of age, sex and breed. <i>Animal</i> , 2013 , 7, 1323-31	3.1	4
65	Improving bioscience research reporting: the ARRIVE guidelines for reporting animal research. <i>Veterinary Clinical Pathology</i> , 2012 , 41, 27-31	1	122
64	Improving bioscience research reporting: the ARRIVE guidelines for reporting animal research. <i>Osteoarthritis and Cartilage</i> , 2012 , 20, 256-60	6.2	340
63	A semi-parametric model for lactation curves: development and application. <i>Preventive Veterinary Medicine</i> , 2012 , 105, 38-48	3.1	4
62	Risk factors for a high somatic cell count at the first milk recording in a large sample of UK dairy herds. <i>Journal of Dairy Science</i> , 2012 , 95, 1873-84	4	10
61	Impact of imperfect test sensitivity on determining risk factors: the case of bovine tuberculosis. <i>PLoS ONE</i> , 2012 , 7, e43116	3.7	5
60	Bones adaptive response to mechanical loading is essentially linear between the low strains associated with disuse and the high strains associated with the lamellar/woven bone transition. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 1784-93	6.3	142
59	Welfare outcomes assessment in laying hen farm assurance schemes. <i>Animal Welfare</i> , 2012 , 21, 389-396	2.9	19
58	DEEP: A Provenance-Aware Executable Document System. <i>Lecture Notes in Computer Science</i> , 2012 , 24-38	3.9	4
57	Mechanical comparison of median sternotomy closure in dogs using polydioxanone and wire sutures. <i>Journal of Small Animal Practice</i> , 2011 , 52, 582-6	1.6	8
56	Animal research: reporting in vivo experiments--the ARRIVE guidelines. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 991-3	7.3	315
55	Decisions about foraging and risk trade-offs in chickens are associated with individual somatic response profiles. <i>Animal Behaviour</i> , 2011 , 82, 255-262	2.8	19
54	Clustering and synchrony in laying hens: The effect of environmental resources on social dynamics. <i>Applied Animal Behaviour Science</i> , 2011 , 129, 43-53	2.2	42
53	Mild environmental aversion is detected by a discrete-choice preference testing method but not by a free-access method. <i>Applied Animal Behaviour Science</i> , 2011 , 134, 152-163	2.2	10
52	Statistical Modelling of Neighbor Treatment Effects in Aquaculture Clinical Trials. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2011 , 16, 202-220	1.9	2
51	Animal research: reporting in vivo experiments: the ARRIVE guidelines. <i>British Journal of Pharmacology</i> , 2010 , 160, 1577-9	8.6	2654
50	Animal research: reporting in vivo experiments: the ARRIVE guidelines. <i>Experimental Physiology</i> , 2010 , 95, 842-4	2.4	19
49	Animal research: reporting in vivo experiments: the ARRIVE guidelines. <i>Journal of Physiology</i> , 2010 , 588, 2519-21	3.9	62

48	Mixed effect modelling of proteomic mass spectrometry data by using Gaussian mixtures. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2010 , 59, 617	1.5	4
47	MCMC Sampling for a Multilevel Model With Nonindependent Residuals Within and Between Cluster Units. <i>Journal of Educational and Behavioral Statistics</i> , 2010 , 35, 453-473	1.7	17
46	Improving bioscience research reporting: The ARRIVE guidelines for reporting animal research. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2010 , 1, 94-9	0.2	478
45	Number and ownership profiles of cats and dogs in the UK. <i>Veterinary Record</i> , 2010 , 166, 163-8	0.9	164
44	Improving bioscience research reporting: the ARRIVE guidelines for reporting animal research. <i>PLoS Biology</i> , 2010 , 8, e1000412	9.7	4220
43	Surface shape analysis with an application to brain surface asymmetry in schizophrenia. <i>Biostatistics</i> , 2010 , 11, 609-30	3.7	8
42	Consistency, transitivity and inter-relationships between measures of choice in environmental preference tests with chickens. <i>Behavioural Processes</i> , 2010 , 83, 72-8	1.6	16
41	Sampling strategies for monitoring lameness in dairy cattle. <i>Journal of Dairy Science</i> , 2010 , 93, 1970-8	4	41
40	Use of individual cow milk recording data at the start of lactation to predict the calving to conception interval. <i>Journal of Dairy Science</i> , 2010 , 93, 4677-90	4	29
39	A Bayesian Weibull survival model for time to infection data measured with delay. <i>Preventive Veterinary Medicine</i> , 2010 , 94, 191-201	3.1	5
38	Somatic cell count dynamics in a large sample of dairy herds in England and Wales. <i>Preventive Veterinary Medicine</i> , 2010 , 96, 56-64	3.1	28
37	Animal research: reporting in vivo experiments: the ARRIVE guidelines. <i>Journal of Gene Medicine</i> , 2010 , 12, 561-3	3.5	179
36	Management interventions in dairy herds: exploring within herd uncertainty using an integrated Bayesian model. <i>Veterinary Research</i> , 2010 , 41, 22	3.8	4
35	Bayesian estimation of variance partition coefficients adjusted for imperfect test sensitivity and specificity. <i>Preventive Veterinary Medicine</i> , 2009 , 89, 155-62	3.1	4
34	Bayesian analysis of a mastitis control plan to investigate the influence of veterinary prior beliefs on clinical interpretation. <i>Preventive Veterinary Medicine</i> , 2009 , 91, 209-17	3.1	1
33	Associations between welfare indicators and environmental choice in laying hens. <i>Animal Behaviour</i> , 2009 , 78, 413-424	2.8	105
32	Feline extranodal lymphoma: response to chemotherapy and survival in 110 cats. <i>Journal of Small Animal Practice</i> , 2009 , 50, 584-92	1.6	78
31	The use of simple reparameterizations to improve the efficiency of Markov chain Monte Carlo estimation for multilevel models with applications to discrete time survival models. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2009 , 172, 579-598	2.1	37

30	The effect of sampling strategy on the estimated prevalence of welfare outcome measures on finishing pig farms. <i>Applied Animal Behaviour Science</i> , 2009 , 119, 39-48	2.2	29
29	Use of posterior predictive assessments to evaluate model fit in multilevel logistic regression. <i>Veterinary Research</i> , 2009 , 40, 30	3.8	14
28	Cow, farm, and herd management factors in the dry period associated with raised somatic cell counts in early lactation. <i>Journal of Dairy Science</i> , 2008 , 91, 1403-15	4	49
27	Towards humane end points: behavioural changes precede clinical signs of disease in a Huntington's disease model. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 1865-74	4.4	22
26	Non-Hierarchical Multilevel Models 2008 , 301-334		33
25	A comparison of the hierarchical likelihood and Bayesian approaches to spatial epidemiological modelling. <i>Environmetrics</i> , 2007 , 18, 809-821	1.3	10
24	Using cross-classified multivariate mixed response models with application to life history traits in great tits (<i>Parus major</i>). <i>Statistical Modelling</i> , 2007 , 7, 217-238	0.7	39
23	Cow, farm, and management factors during the dry period that determine the rate of clinical mastitis after calving. <i>Journal of Dairy Science</i> , 2007 , 90, 3764-76	4	113
22	Seasonal variation of bulk milk somatic cell counts in UK dairy herds: investigations of the summer rise. <i>Preventive Veterinary Medicine</i> , 2006 , 74, 293-308	3.1	39
21	A comparison of Bayesian and likelihood-based methods for fitting multilevel models. <i>Bayesian Analysis</i> , 2006 , 1, 473	2.3	357
20	MCMC algorithms for constrained variance matrices. <i>Computational Statistics and Data Analysis</i> , 2006 , 50, 1655-1677	1.6	25
19	Discussion on the paper by Pardoe and Weidner. <i>Journal of Statistical Planning and Inference</i> , 2006 , 136, 1462-1465	0.8	1
18	Hierarchical Modelling: Multilevel Modelling of Medical Data 2005 , 69-93		
17	Variance partitioning in multilevel logistic models that exhibit overdispersion. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2005 , 168, 599-613	2.1	278
16	Prospective study of the effect of exposure to other smokers in high school tutor groups on the risk of incident smoking in adolescence. <i>American Journal of Epidemiology</i> , 2004 , 159, 127-32	3.8	13
15	A general multilevel multistate competing risks model for event history data, with an application to a study of contraceptive use dynamics. <i>Statistical Modelling</i> , 2004 , 4, 145-159	0.7	81
14	2003 ,		149
13	Estimation of a large cross-classified multilevel model to study academic achievement in a modular degree course. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2003 , 166, 119-133	2.1	8

12	Bayesian and likelihood methods for fitting multilevel models with complex level-1 variation. <i>Computational Statistics and Data Analysis</i> , 2002 , 39, 203-225	1.6	35
11	Multilevel modelling of medical data. <i>Statistics in Medicine</i> , 2002 , 21, 3291-315	2.3	267
10	Multivariate multilevel analyses of examination results. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2002 , 165, 137-153	2.1	34
9	Partitioning Variation in Multilevel Models. <i>Understanding Statistics</i> , 2002 , 1, 223-231		511
8	A Study of Class Size Effects in English School Reception Year Classes. <i>British Educational Research Journal</i> , 2002 , 28, 169-185	1.6	40
7	Multiple membership multiple classification (MMMC) models. <i>Statistical Modelling</i> , 2001 , 1, 103-124	0.7	125
6	Multiple membership multiple classification (MMMC) models. <i>Statistical Modelling</i> , 2001 , 1, 103-124	0.7	199
5	Multilevel Models in the Study of Dynamic Household Structures. <i>European Journal of Population</i> , 2000 , 16, 373-387	2.3	26
4	Implementation and performance issues in the Bayesian and likelihood fitting of multilevel models. <i>Computational Statistics</i> , 2000 , 15, 391-420	1	136
3	The ARRIVE guidelines 2019: updated guidelines for reporting animal research		32
2	Reporting animal research: Explanation and Elaboration for the ARRIVE guidelines 2019		4
1	Multilevel Models1-8		1