Alistair B Lawrence

List of Publications by Year
in descending order

133 papers	7,677 citations	41258 49 h-index	58464 82 g-index
137 all docs	137 docs citations	137 times ranked	3439 citing authors

#	Article	IF	Citations
1	Happy or healthy? How members of the public prioritise farm animal health and natural behaviours. PLoS ONE, 2021, 16, e0247788.	1.1	9
2	The Importance of Farm Animal Health and Natural Behaviors to Livestock Farmers: Findings From a Factorial Survey Using Vignettes. Frontiers in Animal Science, 2021, 2, .	0.8	4
3	Crying With Laughter: Adapting the Tickling Protocol to Address Individual Differences Among Rats in Their Response to Playful Handling. Frontiers in Veterinary Science, 2021, 8, 677872.	0.9	6
4	Positive Welfare in Science and Society: Differences, Similarities and Synergies. Frontiers in Animal Science, 2021, 2, .	0.8	9
5	Negative play contagion in calves. Scientific Reports, 2020, 10, 21699.	1.6	9
6	What Is so Positive about Positive Animal Welfare?â€"A Critical Review of the Literature. Animals, 2019, 9, 783.	1.0	96
7	What Are the Positives? Exploring Positive Welfare Indicators in a Qualitative Interview Study with Livestock Farmers. Animals, 2019, 9, 694.	1.0	26
8	Relationships between play and responses to tickling in male juvenile rats. Applied Animal Behaviour Science, 2019, 221, 104879.	0.8	10
9	Odour conditioning of positive affective states: Rats can learn to associate an odour with being tickled. PLoS ONE, 2019, 14, e0212829.	1.1	13
10	The Nature and Psychological Impact of Child/Adolescent Attachment to Dogs Compared with Other Companion Animals. Society and Animals, 2019, 27, 55-74.	0.1	22
11	Prioritization of Farm Animal Welfare Issues Using Expert Consensus. Frontiers in Veterinary Science, 2019, 6, 495.	0.9	38
12	A study of associations between gastric ulcers and the behaviour of finisher pigs. Livestock Science, 2018, 212, 45-51.	0.6	11
13	Playful pigs: Evidence of consistency and change in play depending on litter and developmental stage. Applied Animal Behaviour Science, 2018, 198, 36-43.	0.8	14
14	Positive welfare. , 2018, , 415-444.		25
15	Environmentally enriched pigs have transcriptional profiles consistent with neuroprotective effects and reduced microglial activity. Behavioural Brain Research, 2018, 350, 6-15.	1.2	11
16	Associations between Oxytocin Receptor Gene Polymorphisms, Empathy towards Animals and Implicit Associations towards Animals. Animals, 2018, 8, 140.	1.0	5
17	Quality of life and adolescentsâ€™ communication with their significant others (mother, father, and) Tj ETQq1 1 0.784314 rgBT /Ove 278-297.	1.2	35
18	Up-regulation of IGF-1 in the frontal cortex of piglets exposed to an environmentally enriched arena. Physiology and Behavior, 2017, 173, 285-292.	1.0	6

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19	Understanding Adolescentsâ€™ Categorisation of Animal Species. Animals, 2017, 7, 65.	1.0	4
20	Sustainable Pig Production. , 2017, , 171-185.		0
21	Why are most EU pigs tail docked? Economic and ethical analysis of four pig housing and management scenarios in the light of EU legislation and animal welfare outcomes. Animal, 2016, 10, 687-699.	1.3	69
22	Sociodemographics of Pet Ownership among Adolescents in Great Britain: Findings from the HBSC Study in England, Scotland, and Wales. Anthrozoos, 2016, 29, 559-580.	0.7	17
23	Exploring Childrenâ€™s Perspectives on the Welfare Needs of Pet Animals. Anthrozoos, 2016, 29, 357-375.	0.7	30
24	The Short Attachment to Pets Scale (SAPS) for Children and Young People: Development, Psychometric Qualities and Demographic and Health Associations. Child Indicators Research, 2016, 9, 111-131.	1.1	37
25	Enhancing collaboration in the UK animal welfare research community. Veterinary Record, 2016, 178, 138-139.	0.2	1
26	â€˜Mum cleaned it and I just played with itâ€™: Childrenâ€™s perceptions of their roles and responsibilities in the care of family pets. Childhood, 2015, 22, 201-216.	0.6	39
27	Evidence for litter differences in play behaviour in pre-weaned pigs. Applied Animal Behaviour Science, 2015, 172, 17-25.	0.8	49
28	Injurious tail biting in pigs: how can it be controlled in existing systems without tail docking?. Animal, 2014, 8, 1479-1497.	1.3	139
29	Prenatal stress produces anxiety prone female offspring and impaired maternal behaviour in the domestic pig. Physiology and Behavior, 2014, 129, 255-264.	1.0	54
30	The welfare implications of large litter size in the domestic pig I: biological factors. Animal Welfare, 2013, 22, 199-218.	0.3	217
31	The welfare implications of large litter size in the domestic pig II: management factors. Animal Welfare, 2013, 22, 219-238.	0.3	155
32	Precalving temperament and maternal defensiveness are independent traits but precalving fear may impact calf growth1. Journal of Animal Science, 2013, 91, 4417-4425.	0.2	23
33	Farm animal welfare: assessing risks attributable to the prenatal environment. Animal Welfare, 2012, 21, 419-429.	0.3	33
34	Assessing pig body language: Agreement and consistency between pig farmers, veterinarians, and animal activists1. Journal of Animal Science, 2012, 90, 3652-3665.	0.2	56
35	Alternative farrowing accommodation: welfare and economic aspects of existing farrowing and lactation systems for pigs. Animal, 2012, 6, 96-117.	1.3	87
36	Dairy cow feeding space requirements assessed in a Y-maze choice test. Journal of Dairy Science, 2012, 95, 3954-3960.	1.4	21

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37	How can economists help to improve animal welfare?. Animal Welfare, 2012, 21, 1-10.	0.3	32
38	Genetic associations between behavioral traits and direct-social effects of growth rate in pigs1. Journal of Animal Science, 2012, 90, 4706-4715.	0.2	25
39	BOARD INVITED REVIEW: The importance of the gestation period for welfare of calves: Maternal stressors and difficult births1. Journal of Animal Science, 2012, 90, 5021-5034.	0.2	39
40	Qualitative Behavioural Assessment of emotionality in pigs. Applied Animal Behaviour Science, 2012, 139, 218-224.	0.8	120
41	Behavior of cows during and after peak feeding time on organic and conventional dairy farms in the United Kingdom. Journal of Dairy Science, 2011, 94, 746-753.	1.4	9
42	Emotionality in growing pigs: Is the open field a valid test?. Physiology and Behavior, 2011, 104, 906-913.	1.0	52
43	The impact of prenatal stress on basal nociception and evoked responses to tail-docking and inflammatory challenge in juvenile pigs. Physiology and Behavior, 2011, 104, 728-737.	1.0	39
44	Genetic and environmental effects on piglet survival and maternal behaviour of the farrowing sow. Applied Animal Behaviour Science, 2011, 130, 28-41.	0.8	62
45	Evidence for residence-induced enhancement of aggressiveness in the non-territorial pig. Applied Animal Behaviour Science, 2011, 130, 10-19.	0.8	1
46	Consistency of flight speed and response to restraint in a crush in dairy cattle. Applied Animal Behaviour Science, 2011, 131, 15-20.	0.8	43
47	Alternative farrowing systems: design criteria for farrowing systems based on the biological needs of sows and piglets. Animal, 2011, 5, 580-600.	1.3	98
48	Pre-natal social stress and post-natal pain affect the developing pig reproductive axis. Reproduction, 2011, 142, 907-914.	1.1	19
49	Pigsâ€™ aggressive temperament affects pre-slaughter mixing aggression, stress and meat quality. Animal, 2010, 4, 604-616.	1.3	69
50	Measuring sociability in dairy cows. Applied Animal Behaviour Science, 2010, 122, 84-91.	0.8	53
51	â€˜Subordination styleâ€™ in pigs? The response of pregnant sows to mixing stress affects their offspring's behaviour and stress reactivity. Applied Animal Behaviour Science, 2010, 124, 16-27.	0.8	28
52	Genetic parameters of piglet survival and birth weight from a two-generation crossbreeding experiment under outdoor conditions designed to disentangle direct and maternal effects1. Journal of Animal Science, 2010, 88, 1276-1285.	0.2	36
53	Genetic validation of postmixing skin injuries in pigs as an indicator of aggressiveness and the relationship with injuries under more stable social conditions. Journal of Animal Science, 2009, 87, 3076-3082.	0.2	107
54	A comparison of management practices, farmer-perceived disease incidence and winter housing on organic and non-organic dairy farms in the UK. Journal of Dairy Research, 2009, 76, 6-14.	0.7	23

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55	Pre-natal stress amplifies the immediate behavioural responses to acute pain in piglets. Biology Letters, 2009, 5, 452-454.	1.0	43
56	Lameness prevalence and risk factors in organic and non-organic dairy herds in the United Kingdom. Veterinary Journal, 2009, 180, 95-105.	0.6	111
57	â€˜Freedom from hungerâ€™ and preventing obesity: the animal welfare implications of reducing food quantity or quality. Animal Behaviour, 2009, 77, 275-288.	0.8	154
58	The effect of perceived environmental background on qualitative assessments of pig behaviour. Animal Behaviour, 2009, 78, 477-484.	0.8	58
59	Responsiveness of dairy cows to human approach and novel stimuli. Applied Animal Behaviour Science, 2009, 116, 163-173.	0.8	52
60	Dairy cows trade-off feed quality with proximity to a dominant individual in Y-maze choice tests. Applied Animal Behaviour Science, 2009, 117, 159-164.	0.8	27
61	Consistency of aggressive feeding behaviour in dairy cows. Applied Animal Behaviour Science, 2009, 121, 1-7.	0.8	33
62	Genetic analyses of piglet survival and individual birth weight on first generation data of a selection experiment for piglet survival under outdoor conditions. Livestock Science, 2009, 121, 173-181.	0.6	41
63	Indicators of piglet survival in an outdoor farrowing system. Livestock Science, 2009, 124, 266-276.	0.6	79
64	The effect of organic status and management practices on somatic cell counts on UK dairy farms. Journal of Dairy Science, 2009, 92, 3775-3780.	1.4	24
65	Assessing the welfare challenges to out-wintered pregnant suckler cows. Animal, 2009, 3, 1167-1174.	1.3	9
66	Estimation of genetic associations between reproduction and production traits based on a sire and dam line with common ancestry. Animal, 2009, 3, 1354-1362.	1.3	17
67	Genetics of animal temperament: aggressive behaviour at mixing is genetically associated with the response to handling in pigs. Animal, 2009, 3, 1544-1554.	1.3	61
68	Bayesian Analysis of Genetic Associations of Skin Lesions and Behavioural Traits to Identify Genetic Components of Individual Aggressiveness in Pigs. Behavior Genetics, 2008, 38, 67-75.	1.4	61
69	Effects of weaning age on the behavioural and neuroendocrine development of piglets. Applied Animal Behaviour Science, 2008, 110, 166-181.	0.8	42
70	Applied animal behaviour science: Past, present and future prospects. Applied Animal Behaviour Science, 2008, 115, 1-24.	0.8	35
71	Early weaning results in less active behaviour, accompanied by lower 5-HT1A and higher 5-HT2A receptor mRNA expression in specific brain regions of female pigs. Psychoneuroendocrinology, 2008, 33, 1077-1092.	1.3	16
72	Investigating the behavioural and physiological indicators of neonatal survival in pigs. Theriogenology, 2008, 69, 773-783.	0.9	241

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73	Hock Injury Prevalence and Associated Risk Factors on Organic and Nonorganic Dairy Farms in the United Kingdom. Journal of Dairy Science, 2008, 91, 2265-2274.	1.4	80
74	Relationship between maternal defensive aggression, fear of handling and other maternal care traits in beef cows. Livestock Science, 2007, 106, 182-188.	0.6	31
75	Characterization of the Dairy Farm Environment in Great Britain and the Effect of the Farm Environment on Cow Life Span. Journal of Dairy Science, 2007, 90, 5316-5323.	1.4	21
76	Housing System, Milk Production, and Zero-Grazing Effects on Lameness and Leg Injury in Dairy Cows. Journal of Dairy Science, 2006, 89, 4259-4266.	1.4	217
77	Programming the offspring of the pig by prenatal social stress: Neuroendocrine activity and behaviour. Hormones and Behavior, 2006, 49, 68-80.	1.0	124
78	The effect of confinement during lactation on the hypothalamicâ€“pituitaryâ€“adrenal axis and behaviour of primiparous sows. Physiology and Behavior, 2006, 87, 345-352.	1.0	60
79	The responses of growing pigs to a chronic-intermittent stress treatment. Physiology and Behavior, 2006, 89, 670-680.	1.0	48
80	The accumulation of skin lesions and their use as a predictor of individual aggressiveness in pigs. Applied Animal Behaviour Science, 2006, 96, 245-259.	0.8	228
81	Heritability of post-mixing aggressiveness in grower-stage pigs and its relationship with production traits. Animal Science, 2006, 82, 615-620.	1.3	56
82	Resident-Intruder Trait Aggression is Associated with Differences in Lysine Vasopressin and Serotonin Receptor 1A (5-HT1A) mRNA Expression in the Brain of Pre-Pubertal Female Domestic Pigs (Sus scrofa). Journal of Neuroendocrinology, 2005, 17, 679-686.	1.2	29
83	A review of the behavioural and physiological adaptations of hill and lowland breeds of sheep that favour lamb survival. Applied Animal Behaviour Science, 2005, 92, 235-260.	0.8	109
84	Early life predictors of the development of aggressive behaviour in the domestic pig. Animal Behaviour, 2004, 67, 501-509.	0.8	46
85	Prepartum plasma estradiol and postpartum cortisol, but not oxytocin, are associated with interindividual and breed differences in the expression of maternal behaviour in sheep. Hormones and Behavior, 2004, 46, 529-543.	1.0	35
86	Individual differences in responses of piglets to weaning at different ages. Applied Animal Behaviour Science, 2003, 80, 117-132.	0.8	44
87	Detrended fluctuation analysis of behavioural responses to mild acute stressors in domestic hens. Applied Animal Behaviour Science, 2003, 83, 125-139.	0.8	41
88	Eweâ€“lamb bonding behaviours at birth are affected by maternal undernutrition in pregnancy. British Journal of Nutrition, 2003, 89, 123-136.	1.2	128
89	Do Domestic Pigs in Controlled Environments Contrafreeload?. Journal of Applied Animal Welfare Science, 2003, 6, 309-318.	0.4	22
90	Savaging gilts are more restless and more responsive to piglets during the expulsive phase of parturition. Applied Animal Behaviour Science, 2002, 76, 83-91.	0.8	43

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91	Qualitative Assessment of Animal Behaviour as an On-Farm Welfare-monitoring Tool. Acta Agriculturae Scandinavica - Section A: Animal Science, 2001, 51, 21-25.	0.2	46
92	Assessing the â€˜whole animalâ€™: a free choice profiling approach. Animal Behaviour, 2001, 62, 209-220.	0.8	286
93	A note on the effect of handling quality prior to mixing on behaviour at mixing in pigs. Applied Animal Behaviour Science, 2001, 71, 81-86.	0.8	3
94	The effect of parity and environmental restriction on behavioural and physiological responses of pre-parturient pigs. Applied Animal Behaviour Science, 2001, 71, 203-216.	0.8	85
95	The spontaneous qualitative assessment of behavioural expressions in pigs: first explorations of a novel methodology for integrative animal welfare measurement. Applied Animal Behaviour Science, 2000, 67, 193-215.	0.8	228
96	Diversity of behaviour during novel object tests is reduced in pigs housed in substrate-impoverished conditions. Animal Behaviour, 2000, 60, 385-394.	0.8	63
97	MATERNAL BEHAVIOUR IN DOMESTIC SHEEP (OVIS ARIES): CONSTANCY AND CHANGE WITH MATERNAL EXPERIENCE. Behaviour, 2000, 137, 1391-1413.	0.4	70
98	Effects of Genotype, Feed Type and Lactational Stage on the Time Budget of Dairy Cows. Acta Agriculturae Scandinavica - Section A: Animal Science, 2000, 50, 272-278.	0.2	7
99	The responsiveness of sows to their piglets in relation to the length of parturition and the involvement of endogenous opioids. Applied Animal Behaviour Science, 1999, 63, 195-207.	0.8	72
100	Physiological Correlates of Maternalâ€“Offspring Behaviour in Sheep. Physiology and Behavior, 1999, 67, 443-454.	1.0	26
101	Variability in the expression of maternal behaviour in primiparous sheep: Effects of genotype and litter size. Applied Animal Behaviour Science, 1998, 58, 311-330.	0.8	104
102	Experience in Substrate-Enriched and Substrate-Impoverished Environments Affects Behaviour of Pigs in a T-Maze Task. Behaviour, 1997, 134, 643-659.	0.4	25
103	Opioid-mediated changes in nociceptive threshold during pregnancy and parturition in the sow. Pain, 1997, 72, 153-159.	2.0	72
104	Smart behaviour in a variable world. Applied Animal Behaviour Science, 1997, 54, 43-45.	0.8	0
105	Effects of food level and straw bedding during pregnancy on sow performance and responses to an ACTH challenge. Livestock Science, 1996, 47, 51-57.	1.2	21
106	Feeding behaviour of growing pigs using single or multi-space feeders. Applied Animal Behaviour Science, 1996, 47, 235-246.	0.8	56
107	Effect of individual housing on the feeding behaviour of previously group housed growing pigs. Applied Animal Behaviour Science, 1996, 47, 149-161.	0.8	28
108	Individual behavioural differences in pigs: intra-and inter-test consistency. Applied Animal Behaviour Science, 1996, 49, 185-198.	0.8	77

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109	The effects of high and low rates of food reinforcement on the behaviour of pigs. Applied Animal Behaviour Science, 1996, 49, 365-374.	0.8	6
110	The use of a second-order schedule to measure feeding motivation in the pig. Applied Animal Behaviour Science, 1996, 50, 15-31.	0.8	12
111	The Effect of Substrate-Enriched and Substrate-Impoverished Housing Environments On the Diversity of Behaviour in Pigs. Behaviour, 1996, 133, 741-761.	0.4	41
112	Provision of straw as a foraging substrate reduces the development of excessive chain and bar manipulation in food restricted sows. Applied Animal Behaviour Science, 1995, 43, 249-262.	0.8	92
113	Effect of group size on feeding behaviour, social behaviour, and performance of growing pigs using single-space feeders. Livestock Science, 1995, 44, 73-85.	1.2	110
114	Evidence that Feeding Motivation Alone cannot Explain Oral Stereotypy in Sows. Proceedings of the British Society of Animal Production (1972), 1994, 1994, 45-45.	0.0	0
115	The effect of a foraging device (The â€˜Edinburgh Foodballâ€™) on the behaviour of pigs. Applied Animal Behaviour Science, 1994, 39, 237-247.	0.8	49
116	The effect of environment on behaviour, plasma cortisol and prolactin in parturient sows. Applied Animal Behaviour Science, 1994, 39, 313-330.	0.8	166
117	Effect of manipulandum design on operant responding in pigs. Animal Behaviour, 1994, 47, 1488-1490.	0.8	18
118	Long-term effects of food allowance and housing on development of stereotypies in pigs. Applied Animal Behaviour Science, 1993, 38, 103-126.	0.8	40
119	Relationship between feeding, stereotypies, and plasma glucose concentrations in food-restricted and restrained sows. Physiology and Behavior, 1993, 54, 189-193.	1.0	14
120	Ingestion of food facilitates the performance of stereotypies in sows. Animal Behaviour, 1993, 46, 939-950.	0.8	52
121	The behavioural effects of undernutrition in confined farm animals. Proceedings of the Nutrition Society, 1993, 52, 219-229.	0.4	31
122	A review of behavioral factors involved in the development and continued performance of stereotypic behaviors in pigs. Journal of Animal Science, 1993, 71, 2815-2825.	0.2	234
123	Naloxone prevents interruption of parturition and increases plasma oxytocin following environmental disturbance in parturient sows. Physiology and Behavior, 1992, 52, 917-923.	1.0	114
124	Behavioural responses to amphetamine and apomorphine in pigs. Pharmacology Biochemistry and Behavior, 1992, 43, 329-340.	1.3	19
125	Relationship between amphetamine and environmentally induced stereotypies in pigs. Pharmacology Biochemistry and Behavior, 1992, 43, 347-355.	1.3	16
126	Relationship between agonistic behaviour and propensity to develop excessive drinking and chain manipulation in pigs. Physiology and Behavior, 1991, 50, 493-498.	1.0	16

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127	Relationship between plasma cortisol and stereotypic activities in pigs. Behavioural Processes, 1991, 25, 133-153.	0.5	48
128	Influences of feeding level and physical restriction on development of stereotypies in sows. Animal Behaviour, 1991, 42, 981-991.	0.8	197
129	Mother-daughter bonds in sheep. Animal Behaviour, 1991, 42, 683-685.	0.8	9
130	Individual differences in behavioural responses of pigs exposed to non-social and social challenges. Applied Animal Behaviour Science, 1991, 30, 73-86.	0.8	120
131	Mother-daughter and peer relationships of Scottish hill sheep. Animal Behaviour, 1990, 39, 481-486.	0.8	48
132	Food restriction as a cause of stereotypic behaviour in tethered gilts. Animal Science, 1987, 45, 103-110.	1.3	188
133	Consumer demand theory and the assessment of animal welfare. Animal Behaviour, 1987, 35, 293-295.	0.8	61