

# Lorenz Gygax

## List of Publications by Year in descending order

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Version: 2024-02-01

110  
papers

3,083  
citations

147801

31  
h-index

189892

50  
g-index

116  
all docs

116  
docs citations

116  
times ranked

2399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sexual orientation and childhood gender nonconformity: Evidence from home videos.. <i>Developmental Psychology</i> , 2008, 44, 46-58.	1.6	274
2	Dissecting "Gaydar": Accuracy and the Role of Masculinity/Femininity. <i>Archives of Sexual Behavior</i> , 2010, 39, 124-140.	1.9	156
3	Ear and tail postures as indicators of emotional valence in sheep. <i>Applied Animal Behaviour Science</i> , 2009, 118, 199-207.	1.9	141
4	Behavioural and physiological assessment of positive and negative emotion in sheep. <i>Animal Behaviour</i> , 2009, 78, 651-659.	1.9	133
5	Influence of weaning method on health status and rumen development in dairy calves. <i>Journal of Dairy Science</i> , 2009, 92, 645-656.	3.4	93
6	Moderate lameness leads to marked behavioral changes in dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 2370-2382.	3.4	93
7	The construction of dominance order: comparing performance of five methods using an individual-based model. <i>Behaviour</i> , 2005, 142, 1037-1058.	0.8	85
8	Socio-spatial Relationships in Dairy Cows. <i>Ethology</i> , 2010, 116, 10-23.	1.1	78
9	The A to Z of statistics for testing cognitive judgement bias. <i>Animal Behaviour</i> , 2014, 95, 59-69.	1.9	78
10	Physiological expression of emotional reactions in sheep. <i>Physiology and Behavior</i> , 2009, 98, 235-241.	2.1	69
11	Restlessness behaviour, heart rate and heart-rate variability of dairy cows milked in two types of automatic milking systems and auto-tandem milking parlours. <i>Applied Animal Behaviour Science</i> , 2008, 109, 167-179.	1.9	62
12	Prefrontal cortex activity, sympatho-vagal reaction and behaviour distinguish between situations of feed reward and frustration in dwarf goats. <i>Behavioural Brain Research</i> , 2013, 239, 104-114.	2.2	50
13	Ammonia emissions and emission factors of naturally ventilated dairy housing with solid floors and an outdoor exercise area in Switzerland. <i>Atmospheric Environment</i> , 2012, 47, 183-194.	4.1	48
14	Accuracy and validation of a radar-based automatic local position measurement system for tracking dairy cows in free-stall barns. <i>Computers and Electronics in Agriculture</i> , 2007, 56, 23-33.	7.7	47
15	Social distances of goats at the feeding rack: Influence of the quality of social bonds, rank differences, grouping age and presence of horns. <i>Applied Animal Behaviour Science</i> , 2008, 114, 116-131.	1.9	47
16	Spouses and cats and their effects on human mood. <i>Anthrozoos</i> , 2003, 16, 213-228.	1.4	45
17	Influence of artificial vs. mother-bonded rearing on sucking behaviour, health and weight gain in calves. <i>Applied Animal Behaviour Science</i> , 2009, 119, 143-150.	1.9	44
18	Evolution of group size in the dolphins and porpoises: interspecific consistency of intraspecific patterns. <i>Behavioral Ecology</i> , 2002, 13, 583-590.	2.2	43

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19	Are special feed and being brushed judged as positive by calves?. Applied Animal Behaviour Science, 2014, 156, 12-21.	1.9	43
20	Milk Cortisol Concentration in Automatic Milking Systems Compared with Auto-Tandem Milking Parlors. Journal of Dairy Science, 2006, 89, 3447-3454.	3.4	40
21	Stimulus enhancement and spread of a spontaneous tool use in a colony of long-tailed macaques. Primates, 1996, 37, 1-12.	1.1	39
22	Evolution of group size in the superfamily Delphinoidea (Delphinidae, Phocoenidae and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,622 Td (M	4.8	38
23	Do pigs distinguish between situations of different emotional valences during anticipation?. Applied Animal Behaviour Science, 2011, 131, 86-93.	1.9	36
24	The introduction of individual goats into small established groups has serious negative effects on the introduced goat but not on resident goats. Applied Animal Behaviour Science, 2012, 138, 47-59.	1.9	36
25	Effects of space allowance on the behaviour and cleanliness of finishing bulls kept in pens with fully slatted rubber coated flooring. Applied Animal Behaviour Science, 2007, 107, 1-12.	1.9	35
26	Bite and kick injuries in horses: Prevalence, risk factors and prevention. Equine Veterinary Journal, 2008, 40, 219-223.	1.7	35
27	Leg lesions and cleanliness of finishing bulls kept in housing systems with different lying area surfaces. Veterinary Journal, 2007, 174, 77-85.	1.7	34
28	Influence of straw length, sow behaviour and room temperature on the incidence of dangerous situations for piglets in a loose farrowing system. Applied Animal Behaviour Science, 2009, 117, 181-189.	1.9	34
29	Valence of physical stimuli, not housing conditions, affects behaviour and frontal cortical brain activity in sheep. Behavioural Brain Research, 2014, 267, 144-155.	2.2	34
30	Wanting, liking and welfare: The role of affective states in proximate control of behaviour in vertebrates. Ethology, 2017, 123, 689-704.	1.1	34
31	Effects of weight, temperature and behaviour on the circadian rhythm of salivary cortisol in growing pigs. Animal, 2008, 2, 405-409.	3.3	33
32	Comparison of Functional Aspects in Two Automatic Milking Systems and Auto-Tandem Milking Parlors. Journal of Dairy Science, 2007, 90, 4265-4274.	3.4	32
33	Vigilance behaviour and fitness consequences: comparing a solitary foraging and an obligate group-foraging mammal. Behavioral Ecology and Sociobiology, 2009, 63, 1097-1107.	1.4	32
34	Expression of emotional valence in pig closed-mouth grunts: Involvement of both source- and filter-related parameters. Journal of the Acoustical Society of America, 2019, 145, 2895-2908.	1.1	32
35	Habituation of dairy heifers to milking routine—Effects on human avoidance distance, behavior, and cardiac activity during milking. Journal of Dairy Science, 2015, 98, 5241-5251.	3.4	31
36	Effects of the introduction of single heifers or pairs of heifers into dairy-cow herds on the temporal and spatial associations of heifers and cows. Applied Animal Behaviour Science, 2009, 119, 127-136.	1.9	30

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37	Loose housing of small goat groups: Influence of visual cover and elevated levels on feeding, resting and agonistic behaviour. <i>Applied Animal Behaviour Science</i> , 2009, 119, 171-179.	1.9	29
38	In vivo functional near-infrared spectroscopy measures mood-modulated cerebral responses to a positive emotional stimulus in sheep. <i>NeuroImage</i> , 2011, 54, 1625-1633.	4.2	29
39	Short- and long-term effects of eight enrichment materials on the behaviour of finishing pigs fed ad libitum or restrictively. <i>Applied Animal Behaviour Science</i> , 2013, 144, 31-38.	1.9	28
40	Structural modifications at the feeding place: Effects of partitions and platforms on feeding and social behaviour of goats. <i>Applied Animal Behaviour Science</i> , 2009, 119, 180-192.	1.9	27
41	Housing induced mood modulates reactions to emotional stimuli in sheep. <i>Applied Animal Behaviour Science</i> , 2012, 136, 146-155.	1.9	27
42	Short communication: Detection of lameness in dairy cows using a grooming device. <i>Journal of Dairy Science</i> , 2018, 101, 1511-1517.	3.4	26
43	Role of feeding strategies in seabirdâ€™minke whale associations. <i>Marine Ecology - Progress Series</i> , 2011, 424, 219-227.	1.9	25
44	Comparison of the behaviour of piglets raised in an artificial rearing system or reared by the sow. <i>Applied Animal Behaviour Science</i> , 2015, 165, 57-65.	1.9	25
45	Burdizzo castration of calves less than 1-week old with and without local anaesthesia: Short-term behavioural responses and plasma cortisol levels. <i>Applied Animal Behaviour Science</i> , 2008, 114, 330-345.	1.9	24
46	Influence of the accessibility of straw in racks on exploratory behaviour in finishing pigs. <i>Livestock Science</i> , 2012, 148, 67-73.	1.6	23
47	Sleep and social status in captive gelada baboons ( <i>Theropithecus gelada</i> ). <i>Behavioural Brain Research</i> , 2003, 147, 9-15.	2.2	22
48	Cardiac activity in dairy goats whilst feeding side-by-side at two different distances and during social separation. <i>Physiology and Behavior</i> , 2008, 95, 641-648.	2.1	22
49	Factors influencing the welfare of goats in small established groups during the separation and reintegration of individuals. <i>Applied Animal Behaviour Science</i> , 2013, 144, 63-72.	1.9	22
50	Dog behavior but not frontal brain reaction changes in repeated positive interactions with a human: A non-invasive pilot study using functional near-infrared spectroscopy (fNIRS). <i>Behavioural Brain Research</i> , 2015, 281, 172-176.	2.2	22
51	Mood As Cumulative Expectation Mismatch: A Test of Theory Based on Data from Non-verbal Cognitive Bias Tests. <i>Frontiers in Psychology</i> , 2017, 8, 2197.	2.1	21
52	Effect of a synthetic plate in the lying area on lying behaviour, degree of fouling and skin lesions at the leg joints of finishing pigs. <i>Applied Animal Behaviour Science</i> , 2009, 118, 20-27.	1.9	20
53	Frontal brain deactivation during a non-verbal cognitive judgement bias test in sheep. <i>Brain and Cognition</i> , 2015, 93, 35-41.	1.8	20
54	Spatial movement patterns and behaviour of two captive bottlenose dolphins ( <i>Tursiops truncatus</i> ): absence of stereotyped behaviour or lack of definition?. <i>Applied Animal Behaviour Science</i> , 1993, 38, 337-344.	1.9	18

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55	Influence of floor type in the walking area of cubicle housing systems on the behaviour of dairy cows. <i>Applied Animal Behaviour Science</i> , 2009, 116, 21-27.	1.9	18
56	Influence of floor surface and access to pasture on claw health in dairy cows kept in cubicle housing systems. <i>Preventive Veterinary Medicine</i> , 2012, 105, 85-92.	1.9	18
57	Valence and Intensity of Video Stimuli of Dogs and Conspecifics in Sheep: Approach-Avoidance, Operant Response, and Attention. <i>Animals</i> , 2018, 8, 121.	2.3	18
58	A matrilineal overthrow with destructive aggression in <i>Macaca fascicularis</i> . <i>Primates</i> , 1997, 38, 149-158.	1.1	17
59	Daily patterns of synchrony in lying and feeding of cows: Quasi-natural state and (anti-) synchrony factors. <i>Behavioural Processes</i> , 2016, 133, 56-61.	1.1	17
60	Temporal distribution of sucking behaviour in dairy calves and influence of energy balance. <i>Applied Animal Behaviour Science</i> , 2009, 119, 137-142.	1.9	14
61	Differences between single and paired heifers in residency in functional areas, length of travel path, and area used throughout days 1-6 after integration into a free stall dairy herd. <i>Applied Animal Behaviour Science</i> , 2009, 120, 49-55.	1.9	14
62	Influence of manure scrapers on dairy cows in cubicle housing systems. <i>Livestock Science</i> , 2013, 158, 129-137.	1.6	13
63	Welfare by the ear: comparing relative durations and frequencies of ear postures by using an automated tracking system in sheep. <i>Animal Welfare</i> , 2014, 23, 267-274.	0.7	13
64	Housing conditions influence cortical and behavioural reactions of sheep in response to videos showing social interactions of different valence. <i>Behavioural Brain Research</i> , 2015, 284, 69-76.	2.2	13
65	Space Allowance of the Littered Area Affects Lying Behavior in Group-Housed Horses. <i>Frontiers in Veterinary Science</i> , 2017, 4, 23.	2.2	12
66	“Naturalness” and Its Relation to Animal Welfare from an Ethological Perspective. <i>Agriculture (Switzerland)</i> , 2018, 8, 136.	3.1	12
67	High precision real-time location estimates in a real-life barn environment using a commercial ultra wideband chip. <i>Computers and Electronics in Agriculture</i> , 2020, 170, 105250.	7.7	12
68	Dominance style, differences between the sexes and individuals. <i>Interaction Studies</i> , 2004, 5, 131-146.	0.6	11
69	Degree of synchrony based on individual observations underlines the importance of concurrent access to enrichment materials in finishing pigs. <i>Applied Animal Behaviour Science</i> , 2015, 172, 26-32.	1.9	11
70	Choice of scan-sampling intervals—An example with quantifying neighbours in dairy cows. <i>Applied Animal Behaviour Science</i> , 2009, 116, 134-140.	1.9	10
71	Mood induction alters attention toward negative-positive stimulus pairs in sheep. <i>Scientific Reports</i> , 2019, 9, 7759.	3.3	10
72	Horned and dehorned dairy cows differ in the pattern of agonistic interactions investigated under different space allowances. <i>Applied Animal Behaviour Science</i> , 2019, 218, 104819.	1.9	10

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73	Hiding Behaviour of Longtailed Macaques ( <i>Macaca fascicularis</i> ). I. Theoretical Background and Data on Mating. <i>Ethology</i> , 1995, 101, 10-24.	1.1	9
74	Behavioural and physiological reactions of goats confronted with an unfamiliar group either when alone or with two peers. <i>Applied Animal Behaviour Science</i> , 2013, 146, 56-65.	1.9	9
75	Time-budget constraints for cows with high milking frequency on farms with automatic milking systems. <i>Livestock Science</i> , 2014, 167, 315-322.	1.6	9
76	Body size in relation to cubicle dimensions affects lying behavior and joint lesions in dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 9407-9417.	3.4	9
77	Effects of the inclination of the lying area in cubicles on the behaviour and dirtiness of fattening bulls. <i>Applied Animal Behaviour Science</i> , 2006, 97, 122-133.	1.9	8
78	Increasing the interval between winter outdoor exercise aggravates agonistic interactions in Friesian cows kept in tie-stalls. <i>Applied Animal Behaviour Science</i> , 2011, 129, 59-66.	1.9	8
79	No increased stress response in horses on small and electrically fenced paddocks. <i>Applied Animal Behaviour Science</i> , 2015, 167, 27-34.	1.9	8
80	Reactions of sheep towards three sets of emotional stimuli: (In)Consistency in respect to stimulus valence and sheep identity. <i>Applied Animal Behaviour Science</i> , 2016, 174, 51-57.	1.9	8
81	Impact of male presence on female sociality and stress endocrinology in wild house mice ( <i>Mus musculus</i> ). <i>Journal of Animal Behaviour</i> , 2014, 88, 107-114.	2.1	8
82	Can body nosing in artificially reared piglets be reduced by sucking and massaging dummies?. <i>Applied Animal Behaviour Science</i> , 2018, 202, 20-27.	1.9	8
83	Dairy goats use outdoor runs of high quality more regardless of the quality of indoor housing. <i>Applied Animal Behaviour Science</i> , 2018, 208, 22-30.	1.9	8
84	Effect of short and long periods of separation on agonistic behaviour, injuries and stress in Friesian cows kept in loose housing. <i>Applied Animal Behaviour Science</i> , 2012, 136, 96-103.	1.9	7
85	Frontal Brain Activity and Behavioral Indicators of Affective States are Weakly Affected by Thermal Stimuli in Sheep Living in Different Housing Conditions. <i>Frontiers in Veterinary Science</i> , 2015, 2, 9.	2.2	7
86	Determining suitable dimensions for dairy goat feeding places by evaluating body posture and feeding reach. <i>Journal of Dairy Science</i> , 2017, 100, 1353-1362.	3.4	7
87	Short Communication: Contribution of Vibration and Noise During Milking to the Somatic Cell Count of Milk. <i>Journal of Dairy Science</i> , 2006, 89, 2499-2502.	3.4	6
88	Lower working heights decrease contraction intensity of shoulder muscles in a herringbone 30° milking parlor. <i>Journal of Dairy Science</i> , 2017, 100, 4914-4925.	3.4	6
89	From minutes to days: The ability of sows ( <i>Sus scrofa</i> ) to estimate time intervals. <i>Behavioural Processes</i> , 2017, 142, 146-155.	1.1	6
90	Determining the value of preferred goods based on consumer demand in a home-cage based test for mice. <i>Behavior Research Methods</i> , 2022, , 1.	4.0	6

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91	Influence of an early exposure to the calving pen on lying behavior at calving and avoidance distance of dairy heifers. <i>Livestock Science</i> , 2015, 182, 108-111.	1.6	5
92	Effect of rubber mats and perforation in the lying area on claw and limb lesions of fattening pigs. <i>Animal</i> , 2018, 12, 2130-2137.	3.3	5
93	Sex Typicality and Attractiveness in Childhood and Adulthood: Assessing their Relationships from Videos. <i>Archives of Sexual Behavior</i> , 2011, 40, 143-154.	1.9	4
94	Context Specificity of the ANS Stress Response during Two Regrouping Experiments in Goats. <i>Frontiers in Veterinary Science</i> , 2016, 3, 58.	2.2	4
95	Executing specific foraging behaviours does not represent a general goal state of foraging in dry sows ( <i>Sus scrofa</i> ). <i>Behavioural Processes</i> , 2019, 164, 115-122.	1.1	4
96	Effects of milking frequency in automatic milking systems on salivary cortisol, immunoglobulin A, somatic cell count and melatonin. <i>Schweizer Archiv Fur Tierheilkunde</i> , 2016, 158, 179-186.	0.8	4
97	Fully flexible analysis of behavioural sequences based on parametric survival models with frailties – A tutorial. <i>Ethology</i> , 2022, 128, 183-196.	1.1	4
98	Hiding Behaviour of Long-tailed Macaques ( <i>Macaca fascicularis</i> ): II. Use of Hiding Places during Aggressive Interactions. <i>Ethology</i> , 2000, 106, 441-451.	1.1	3
99	Under temperate weather conditions, dairy goats use an outdoor run more with increasing warmth and avoid light wind or rain. <i>Journal of Dairy Science</i> , 2019, 102, 1508-1521.	3.4	3
100	Association of body condition with lameness in dairy cattle: a single-farm longitudinal study. <i>Journal of Dairy Research</i> , 2021, 88, 162-165.	1.4	3
101	Weak General but No Specific Habituation in Anticipating Stimuli of Presumed Negative and Positive Valence by Weaned Piglets. <i>Animals</i> , 2018, 8, 149.	2.3	2
102	Effect of milking stall dimensions on upper limb and shoulder muscle activity in milkers. <i>Journal of Dairy Science</i> , 2019, 102, 4563-4576.	3.4	2
103	Space and Behavior IN Captive Dolphins. <i>Marine Mammal Science</i> , 1997, 13, 531-533.	1.8	1
104	Winter housing conditions of cows of the HÃ©rens breed do not influence fighting but modulate spacing behaviour on alpine pastures. <i>Applied Animal Behaviour Science</i> , 2011, 134, 23-30.	1.9	1
105	Behaviour of gilts before and at parturition after intensified human-animal contact, training to be driven, or exposure to a farrowing pen. <i>Applied Animal Behaviour Science</i> , 2018, 200, 56-66.	1.9	1
106	Influence of floor surface and access to pasture on claw characteristics in dairy cows kept in cubicle housing systems. <i>Schweizer Archiv Fur Tierheilkunde</i> , 2014, 156, 171-177.	0.8	1
107	Farm animals are not humans in sheep clothing. <i>Animal Sentience</i> , 2019, 4, .	0.5	1
108	Effects of small milking stalls on stress responses in dairy cows during milking in group milking parlors. <i>Journal of Dairy Science</i> , 2022, 105, 609-622.	3.4	1

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109	Ammonia Emission Factors Modelling for a Naturally Ventilated Dairy Housing System with Cubicles, Solid Floors and an Outdoor Exercise Area. , 2012, , .		0
110	The legislative, ethical, and conceptual importance of replicability in farm animal welfare science. Animal Behavior and Cognition, 2021, 8, 247-250.	1.0	0