H J Blokhuis

List of Publications by Year
in descending order

111 papers	8,825 citations	41339 49 h-index	42393 92 g-index
114 all docs	114 docs citations	114 times ranked	5409 citing authors

#	Article	IF	Citations
1	Coping styles in animals: current status in behavior and stress-physiology. Neuroscience and Biobehavioral Reviews, 1999, 23, 925-935.	6.1	2,347
2	Heart rate and heart rate variability during a novel object test and a handling test in young horses. Physiology and Behavior, 2002, 76, 289-296.	2.1	268
3	Housing familiar male wildtype rats together reduces the long-term adverse behavioural and physiological effects of social defeat. Psychoneuroendocrinology, 1999, 24, 285-300.	2.7	241
4	Effects of environmental enrichment on behavioral responses to novelty, learning, and memory, and the circadian rhythm in cortisol in growing pigs. Physiology and Behavior, 2000, 68, 571-578.	2.1	209
5	Feather-pecking in poultry: Its relation with ground-pecking. Applied Animal Behaviour Science, 1986, 16, 63-67.	1.9	207
6	Quantifying aspects of young horsesâ€™ temperament: consistency of behavioural variables. Applied Animal Behaviour Science, 2001, 74, 241-258.	1.9	189
7	The Circadian Rhythm of Salivary Cortisol in Growing Pigs: Effects of Age, Gender, and Stress. Physiology and Behavior, 1997, 62, 623-630.	2.1	180
8	Personalities in female domesticated pigs: behavioural and physiological indications. Applied Animal Behaviour Science, 2000, 66, 31-47.	1.9	175
9	Plasma Catecholamine and Corticosterone Levels During Manual Restraint in Chicks from a High and Low Feather Pecking Line of Laying Hens. Physiology and Behavior, 1997, 62, 437-441.	2.1	164
10	Responses of calves to acute stress: Individual consistency and relations between behavioral and physiological measures. Physiology and Behavior, 2005, 85, 557-570.	2.1	140
11	Effects of restricted feeding on physiological stress parameters in growing broiler breeders. British Poultry Science, 2002, 43, 157-168.	1.7	132
12	Some observations on the development of feather-pecking in poultry. Applied Animal Behaviour Science, 1984, 12, 145-157.	1.9	128
13	Effects of strawbedding on physiological responses to stressors and behavior in growing pigs. Physiology and Behavior, 1998, 64, 303-310.	2.1	123
14	Adaptation to social isolation. Physiology and Behavior, 2001, 73, 541-551.	2.1	122
15	The Welfare QualityÂ® project and beyond: Safeguarding farm animal well-being. Acta Agriculturae Scandinavica - Section A: Animal Science, 2010, 60, 129-140.	0.2	122
16	The LayWel project: welfare implications of changes in production systems for laying hens. World's Poultry Science Journal, 2007, 63, 101-114.	3.0	118
17	Openâ€field and tonic immobility responses in domestic chicks of two genetic lines differing in their propensity to feather peck. British Poultry Science, 1995, 36, 525-530.	1.7	115
18	Adrenocortical reactivity and central serotonin and dopamine turnover in young chicks from a high and low feather-pecking line of laying hens. Physiology and Behavior, 2002, 75, 653-659.	2.1	109

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19	Validation of a heart-rate monitor for measuring a stress response in dairy cows. Canadian Journal of Animal Science, 1994, 74, 465-474.	1.5	107
20	Tonic immobility and heterophil/lymphocyte responses of the domestic fowl to corticosterone infusion. Physiology and Behavior, 1988, 42, 249-253.	2.1	103
21	Towards Farm Animal Welfare and Sustainability. Animals, 2018, 8, 81.	2.3	99
22	Heart Rate Variability During Manual Restraint in Chicks From High- and Low-Feather Pecking Lines of Laying Hens. Physiology and Behavior, 1998, 65, 649-652.	2.1	94
23	Potential risk factors associated with contact dermatitis, lameness, negative emotional state, and fear of humans in broiler chicken flocks. Poultry Science, 2013, 92, 2811-2826.	3.4	90
24	Equine stereotypic behaviors: Causation, occurrence, and prevention. Journal of Veterinary Behavior: Clinical Applications and Research, 2013, 8, 386-394.	1.2	87
25	Adrenocortical and heterophil/lymphocyte responses to challenge in hens showing short or long tonic immobility reactions. British Poultry Science, 1989, 30, 175-184.	1.7	86
26	Behavioural reactivity of heifer calves in potentially alarming test situations: a multivariate and correlational analysis. Applied Animal Behaviour Science, 2004, 85, 11-30.	1.9	86
27	Rest in poultry. Applied Animal Behaviour Science, 1984, 12, 289-303.	1.9	85
28	Sleep in the domestic hen (Gallus domesticus). Physiology and Behavior, 1987, 41, 409-414.	2.1	85
29	Parameters for quantification of hunger in broiler breeders. Physiology and Behavior, 2003, 78, 773-783.	2.1	83
30	Effects of regular moving and handling on the behavioral and physiological responses of pigs to preslaughter treatment and consequences for subsequent meat quality.. Journal of Animal Science, 1998, 76, 2080.	0.5	78
31	Individual Differences in Behavioral and Physiological Responsiveness of Primiparous Dairy Cows to Machine Milking. Journal of Dairy Science, 2002, 85, 2551-2561.	3.4	78
32	Animal Welfare and the United Nations Sustainable Development Goals. Frontiers in Veterinary Science, 2019, 6, 336.	2.2	78
33	Feather pecking in laying hens: new insights and directions for research?. Applied Animal Behaviour Science, 2004, 86, 291-298.	1.9	76
34	Effects of pecking incentives during rearing on feather pecking of laying hens. British Poultry Science, 1992, 33, 17-24.	1.7	75
35	Studies of feather pecking in poultry. Veterinary Quarterly, 1998, 20, 6-9.	6.7	74
36	Responses of horses in behavioural tests correlate with temperament assessed by riders. Equine Veterinary Journal, 2010, 35, 176-183.	1.7	73

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37	Behavioural and physiological consequences of acute social defeat in growing gilts: effects of the social environment. Applied Animal Behaviour Science, 2001, 70, 201-225.	1.9	72
38	Acute effects of cow-calf separation on heart rate, plasma cortisol and behaviour in multiparous dairy cows. Applied Animal Behaviour Science, 1995, 44, 1-8.	1.9	70
39	Animal welfare's impact on the food chain. Trends in Food Science and Technology, 2008, 19, S79-S87.	15.1	70
40	Does Horse Temperament Influence Horseâ€“Rider Cooperation?. Journal of Applied Animal Welfare Science, 2008, 11, 267-284.	1.0	68
41	Effects of repeated jugular puncture on plasma cortisol concentrations in loose-housed dairy cows.. Journal of Animal Science, 1999, 77, 708.	0.5	67
42	Reduction in feather pecking and improvement of feather condition with the presentation of a string device to chickens. Applied Animal Behaviour Science, 2005, 93, 67-80.	1.9	64
43	Do low-density diets improve broiler breeder welfare during rearing and laying?. Poultry Science, 2005, 84, 194-203.	3.4	62
44	Responses of Slaughter Pigs to Transport and Lairage Sounds. Physiology and Behavior, 1998, 63, 667-673.	2.1	61
45	The association between performance in show-jumping and personality traits earlier in life. Applied Animal Behaviour Science, 2003, 82, 279-295.	1.9	61
46	The risks associated with tail biting in pigs and possible means to reduce the need for tail docking considering the different housing and husbandry systems - Scientific Opinion of the Panel on Animal Health and Welfare. EFSA Journal, 2007, 5, 611.	1.8	60
47	Determination of the circadian rhythm in plasma corticosterone and catecholamine concentrations in growing broiler breeders using intravenous cannulation. Physiology and Behavior, 2001, 74, 299-304.	2.1	58
48	Animal Welfare Management in a Digital World. Animals, 2020, 10, 1779.	2.3	58
49	The effect of a sudden change in floor type on pecking behaviour in chicks. Applied Animal Behaviour Science, 1989, 22, 65-73.	1.9	55
50	Best practice framework for animal welfare certification schemes. Trends in Food Science and Technology, 2014, 37, 127-136.	15.1	54
51	Learning performances in young horses using two different learning tests. Applied Animal Behaviour Science, 2003, 80, 311-326.	1.9	53
52	International cooperation in animal welfare: the Welfare QualityÂ® project. Acta Veterinaria Scandinavica, 2008, 50, .	1.6	51
53	Transgenesis may affect farm animal welfare: a case for systematic risk assessment.. Journal of Animal Science, 2001, 79, 1763.	0.5	50
54	Implications of coping characteristics and social status for welfare and production of paired growing gilts. Applied Animal Behaviour Science, 2002, 75, 207-231.	1.9	50

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55	Decision support system with semantic model to assess the risk of tail biting in pigs. Applied Animal Behaviour Science, 2004, 87, 31-44.	1.9	50
56	The Relevance of Sleep in Poultry. World's Poultry Science Journal, 1983, 39, 33-37.	3.0	46
57	The development of feather pecking behaviour and targeting of pecking in chicks from a high and low feather pecking line of laying hens. Applied Animal Behaviour Science, 2002, 77, 183-196.	1.9	46
58	Side preference of dairy cows in the milking parlour and its effects on behaviour and heart rate during milking. Applied Animal Behaviour Science, 1998, 55, 213-229.	1.9	43
59	Effect of scattered feeding and feeding twice a day during rearing on indicators of hunger and frustration in broiler breeders. Applied Animal Behaviour Science, 2005, 92, 61-76.	1.9	40
60	Lameness assessment with automatic monitoring of activity in commercial broiler flocks. Poultry Science, 2017, 96, 2013-2017.	3.4	40
61	Influence of housing conditions on responses of pigs to preslaughter treatment and consequences for meat quality. Canadian Journal of Animal Science, 1999, 79, 285-291.	1.5	37
62	Effects of social stress on heart rate and heart rate variability in growing pigs. Canadian Journal of Animal Science, 2000, 80, 273-280.	1.5	37
63	Effects of rearing conditions on behavioural and physiological responses of pigs to preslaughter handling and mixing at transport. Canadian Journal of Animal Science, 2000, 80, 451-458.	1.5	37
64	Effects of Beak Trimming and Floor Type on Feed Consumption and Body Weight of Pullets During Rearing. Poultry Science, 1987, 66, 623-625.	3.4	36
65	Stress enhanced reduction in peripheral blood lymphocyte numbers in dairy cows during endotoxin-induced mastitis. Veterinary Immunology and Immunopathology, 1998, 66, 83-97.	1.2	35
66	Review of the Community Summary Report on Trends and Sources of Zoonoses, Zoonotic agents and Antimicrobial Resistance in the European Union in 2005 - Scientific Opinion of the Scientific Panel on Biological Hazards (BIOHAZ) and Animal Health and Welfare. EFSA Journal, 2007, 5, 600.	1.8	35
67	Egg-laying behaviour and nest-site selection of domestic hens kept in small floor-pens. Applied Animal Behaviour Science, 1985, 14, 75-88.	1.9	34
68	Studies of stress in farm animals. Comparative Haematology International, 1998, 8, 94-101.	0.5	32
69	High carbon dioxide tension (PCO₂) and the incidence of cardiac arrhythmias in rapidly growing broiler chickens. Veterinary Record, 1999, 145, 40-43.	0.3	32
70	Short Communication: Effects of Isolation Stress on Mammary Tight Junctions in Lactating Dairy Cows. Journal of Dairy Science, 2000, 83, 48-51.	3.4	28
71	Behavioural and physiological responses of heifer calves to acute stressors: Long-term consistency and relationship with adult reactivity to milking. Applied Animal Behaviour Science, 2013, 147, 55-68.	1.9	26
72	The benzodiazepine brotizolam reduces fear in calves exposed to a novel object test. Physiology and Behavior, 2009, 96, 307-314.	2.1	25

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73	Recent developments in European and international welfare regulations. World's Poultry Science Journal, 2004, 60, 469-477.	3.0	21
74	Technical note: Validation and comparison of 2 commercially available activity loggers. Journal of Dairy Science, 2018, 101, 5449-5453.	3.4	21
75	Social isolation may influence responsiveness to infection with bovine herpesvirus 1 in veal calves. Veterinary Microbiology, 2000, 75, 135-143.	1.9	20
76	Decision support system with semantic model to assess the risk of tail biting in pigs. Applied Animal Behaviour Science, 2004, 87, 45-54.	1.9	20
77	Farm animal welfare research in interaction with society. Veterinary Quarterly, 2000, 22, 217-222.	6.7	19
78	Developing a horse welfare assessment protocol. Animal Welfare, 2017, 26, 59-65.	0.7	19
79	Effect of novelty and restraint on catecholamines in plasma of laying hens. British Poultry Science, 1997, 38, 297-300.	1.7	18
80	Mixing induces long-term hyperthermia in growing pigs. Animal Science, 1999, 69, 601-605.	1.3	18
81	Disrupting motivational sequences in chicks: Are there affective consequences?. Applied Animal Behaviour Science, 2013, 148, 85-92.	1.9	18
82	Effects of intermittent lighting on sleep and activity in the domestic hen. Applied Animal Behaviour Science, 1988, 20, 309-318.	1.9	17
83	Investigating welfare of dairy calves involved in genetic modification: problems and perspectives. Livestock Science, 1993, 36, 81-90.	1.2	17
84	Matanza de animales por motivos sanitarios. OIE Revue Scientifique Et Technique, 2005, 24, 711-722.	1.2	17
85	Porcine brucellosis (Brucella suis). EFSA Journal, 2009, 7, 1144.	1.8	16
86	Exploring the economic potential of reducing broiler lameness. British Poultry Science, 2017, 58, 337-347.	1.7	16
87	HENNOVATION: Learnings from Promoting Practice-Led Multi-Actor Innovation Networks to Address Complex Animal Welfare Challenges within the Laying Hen Industry. Animals, 2019, 9, 24.	2.3	16
88	The effect of shot biopsy on behavior, salivary cortisol, and heart rate in slaughter pigs.. Journal of Animal Science, 1999, 77, 1614.	0.5	15
89	Changes in farming and in stakeholder concern for animal welfare. , 2013, , 19-47.		14
90	A comparative study of the application of two horse welfare assessment protocols. Acta Agriculturae Scandinavica - Section A: Animal Science, 2016, 66, 56-65.	0.2	13

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91	Disturbance of resting behaviour of broilers under different environmental conditions. Applied Animal Behaviour Science, 2021, 242, 105425.	1.9	13
92	Let me sleep! Welfare of broilers (Gallus gallus domesticus) with disrupted resting behaviour. Acta Agriculturae Scandinavica - Section A: Animal Science, 2017, 67, 123-133.	0.2	12
93	Animal Welfare and the United Nationsâ€™ Sustainable Development Goalsâ€”Broadening Studentsâ€™ Perspectives. Sustainability, 2021, 13, 3328.	3.2	12
94	The Welfare QualityÂ® vision. , 2013, , 71-89.		12
95	Control and eradication of Classic Swine Fever in wild boar. EFSA Journal, 2009, 7, 932.	1.8	11
96	Scientific opinion on welfare of dairy cows in relation to behaviour, fear and pain based on a risk assessment with special reference to the impact of housing, feeding, management and genetic selection. EFSA Journal, 2009, 7, 1139.	1.8	10
97	Project to develop Animal Welfare Risk Assessment Guidelines on Stunning and Killing. EFSA Supporting Publications, 2009, 6, 11E.	0.7	10
98	The Use of Transgenic Animals in the European Union. ATLA Alternatives To Laboratory Animals, 1999, 27, 21-43.	1.0	8
99	Animal welfare aspects of husbandry systems for farmed Atlantic salmon â€•Scientific Opinion of the Panel on Animal Health and Welfare. EFSA Journal, 2008, 6, 736.	1.8	8
100	Use of animal based measures for the assessment of dairy cow welfare ANIBAM. EFSA Supporting Publications, 2014, 11, 659E.	0.7	5
101	Intensive production units and welfare : domestic fowl. OIE Revue Scientifique Et Technique, 1994, 13, 67-78.	1.2	5
102	Safeguarding farm animal welfare. , 2019, , 137-153.		5
103	Animal welfare aspects of husbandry systems for farmed common carp. EFSA Journal, 2008, 6, 843.	1.8	4
104	Perceived relevance of selected behavioural traits in horses â€“ A survey conducted in Sweden. Acta Agriculturae Scandinavica - Section A: Animal Science, 2015, 65, 23-32.	0.2	4
105	Opinion of the Scientific Panel on Animal Health and Welfare (AHAW) regarding the assessment of the risk of Echinococcosis introduction into the UK, Ireland, Sweden, Malta and Finland as a consequence of abandoning national rules. EFSA Journal, 2007, 5, 441.	1.8	3
106	Modification of the humanâ€“broiler relationship and its potential effects on production. Acta Agriculturae Scandinavica - Section A: Animal Science, 2016, 66, 161-167.	0.2	3
107	Relevance and implementation of Welfare QualityÂ® assessment systems. , 2013, , 201-214.		2
108	Tuberculosis testing in deer â€•Scientific Opinion of the Panel on Animal Health and Welfare. EFSA Journal, 2008, 6, .	1.8	1

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109	Developing a method to investigate motivational sequences in the chick. Acta Agriculturae Scandinavica - Section A: Animal Science, 2012, 62, 93-101.	0.2	1
110	The effects of feedback from horse welfare assessments. Animal Welfare, 2018, 27, 125-131.	0.7	1
111	Opinion of the Scientific Panel on Animal Health and Welfare (AHAW) on request from the Commission on bluetongue vectors and vaccines. EFSA Journal, 2007, 5, 479.	1.8	0