

# Ruth C Newberry

## List of Publications by Year in descending order

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100  
papers

4,894  
citations

117625

34  
h-index

98798

67  
g-index

106  
all docs

106  
docs citations

106  
times ranked

2826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental enrichment: Increasing the biological relevance of captive environments. <i>Applied Animal Behaviour Science</i> , 1995, 44, 229-243.	1.9	708
2	Mammalian Play: Training for the Unexpected. <i>Quarterly Review of Biology</i> , 2001, 76, 141-168.	0.1	584
3	Hen welfare in different housing systems. <i>Poultry Science</i> , 2011, 90, 278-294.	3.4	360
4	Subjective and objective measurements of postoperative pain in cats. <i>Journal of the American Veterinary Medical Association</i> , 2000, 217, 685-690.	0.5	157
5	The Suckling Behaviour of Domestic Pigs in a Semi-Natural Environment. <i>Behaviour</i> , 1985, 95, 11-25.	0.8	148
6	Playful behaviour of piglets. <i>Behavioural Processes</i> , 1988, 17, 205-216.	1.1	147
7	Implications of breaking mother–young social bonds. <i>Applied Animal Behaviour Science</i> , 2008, 110, 3-23.	1.9	126
8	Group size and perching behaviour in young domestic fowl. <i>Applied Animal Behaviour Science</i> , 2001, 73, 117-129.	1.9	117
9	Influence of Light Intensity on Behavior and Performance of Broiler Chickens. <i>Poultry Science</i> , 1988, 67, 1020-1025.	3.4	104
10	Effects of early play experience on play behaviour of piglets after weaning. <i>Applied Animal Behaviour Science</i> , 2002, 79, 221-231.	1.9	96
11	Decreasing aggression with increasing group size in young domestic fowl. <i>Applied Animal Behaviour Science</i> , 2003, 84, 213-218.	1.9	94
12	Social relationships of piglets in a semi-natural environment. <i>Animal Behaviour</i> , 1986, 34, 1311-1318.	1.9	92
13	Use of pen space by broiler chickens: Effects of age and pen size. <i>Applied Animal Behaviour Science</i> , 1990, 25, 125-136.	1.9	85
14	Dynamics of aggression in the domestic fowl. <i>Applied Animal Behaviour Science</i> , 2002, 76, 307-325.	1.9	82
15	Behaviour when young as a predictor of severe feather pecking in adult laying hens: The redirected foraging hypothesis revisited. <i>Applied Animal Behaviour Science</i> , 2007, 107, 262-274.	1.9	79
16	Use of visual cover by domestic fowl: a Venetian blind effect?. <i>Animal Behaviour</i> , 1997, 54, 387-395.	1.9	74
17	Exploratory behaviour of young domestic fowl. <i>Applied Animal Behaviour Science</i> , 1999, 63, 311-321.	1.9	71
18	<i>Octodon degus</i> . A useful animal model for social-affective neuroscience research: Basic description of separation distress, social attachments and play. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1854-1863.	6.1	67

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19	Development of some behaviour patterns in piglets under semi-natural conditions. <i>Animal Science</i> , 1988, 46, 103-109.	1.3	66
20	Slow-growing broilers are healthier and express more behavioural indicators of positive welfare. <i>Scientific Reports</i> , 2020, 10, 15151.	3.3	63
21	RECENT SOCIAL EXPERIENCE, BODY WEIGHT AND INITIAL PATTERNS OF ATTACK PREDICT THE SOCIAL STATUS ATTAINED BY UNFAMILIAR HENS IN A NEW GROUP. <i>Behaviour</i> , 2000, 137, 705-726.	0.8	57
22	Behavioral Responses of Broiler Chickens to Handling: Effects of Dietary Tryptophan and Two Lighting Regimens. <i>Poultry Science</i> , 1993, 72, 1237-1244.	3.4	53
23	Validation of a novel cognitive bias task based on difference in quantity of reinforcement for assessing environmental enrichment. <i>Animal Cognition</i> , 2014, 17, 529-541.	1.8	51
24	Production-related traits of layers reared in different sized flocks: the concept of problematic intermediate group sizes. <i>Poultry Science</i> , 2003, 82, 1393-1396.	3.4	49
25	Objects as enrichment: Effects of object exposure time and delay interval on object recognition memory of the domestic pig. <i>Applied Animal Behaviour Science</i> , 2007, 107, 206-217.	1.9	46
26	Effects of environmental enrichment on activity and lameness in commercial broiler production. <i>Journal of Applied Animal Welfare Science</i> , 2019, 22, 197-205.	1.0	45
27	Does pecking at inanimate stimuli predict cannibalistic behaviour in domestic fowl?. <i>Applied Animal Behaviour Science</i> , 2000, 66, 119-133.	1.9	44
28	Appearance Matters: Artificial Marking Alters Aggression and Stress. <i>Poultry Science</i> , 2008, 87, 1939-1946.	3.4	44
29	Effects of Lighting Pattern and Dietary Tryptophan Supplementation on Growth and Mortality in Broilers. <i>Poultry Science</i> , 1993, 72, 495-502.	3.4	43
30	Cannibalistic behaviour spread by social learning. <i>Animal Behaviour</i> , 2002, 63, 1153-1162.	1.9	42
31	Group size and cognitive processes. <i>Applied Animal Behaviour Science</i> , 2007, 103, 215-228.	1.9	41
32	Light Intensity Effects on Performance, Activity, Leg Disorders, and Sudden Death Syndrome of Roaster Chickens. <i>Poultry Science</i> , 1986, 65, 2232-2238.	3.4	39
33	Contrafreeloading in grizzly bears: implications for captive foraging enrichment. <i>Zoo Biology</i> , 2010, 29, 484-502.	1.2	39
34	Genome Assembly Anchored QTL Map of Bovine Chromosome 14. <i>International Journal of Biological Sciences</i> , 2008, 4, 406-414.	6.4	38
35	Trade-offs between litter size and offspring fitness in domestic pigs subjected to different genetic selection pressures. <i>Applied Animal Behaviour Science</i> , 2017, 193, 7-14.	1.9	35
36	Playful handling by caretakers reduces fear of humans in the laboratory rat. <i>Applied Animal Behaviour Science</i> , 2012, 140, 161-171.	1.9	34

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37	Management of Spent Hens. <i>Journal of Applied Animal Welfare Science</i> , 1999, 2, 13-29.	1.0	33
38	Effect of Alternating Lights and Strain on Behavior and Leg Disorders of Roaster Chickens. <i>Poultry Science</i> , 1985, 64, 1863-1868.	3.4	30
39	Relationships Between Age, Body Weight, and Season of the Year and the Incidence of Sudden Death Syndrome in Male Broiler Chickens. <i>Poultry Science</i> , 1988, 67, 1243-1249.	3.4	30
40	Effect of Environmental Complexity and Stocking Density on Fear and Anxiety in Broiler Chickens. <i>Animals</i> , 2021, 11, 2383.	2.3	30
41	Effect of group size on tonic immobility in laying hens. <i>Behavioural Processes</i> , 1998, 43, 53-59.	1.1	29
42	Behavior of Chickens Prior to Death from Sudden Death Syndrome. <i>Poultry Science</i> , 1987, 66, 1446-1450.	3.4	27
43	Use of a conditioning technique to reduce stress associated with repeated intra-peritoneal injections in laboratory rats. <i>Applied Animal Behaviour Science</i> , 2008, 112, 158-173.	1.9	27
44	Detection of jumping and landing force in laying hens using wireless wearable sensors. <i>Poultry Science</i> , 2014, 93, 2724-2733.	3.4	27
45	Influence of Increasing Photoperiod and Toe Clipping on Breast Buttons of Turkeys. <i>Poultry Science</i> , 1992, 71, 1471-1479.	3.4	26
46	Barking pigs: differences in acoustic morphology predict juvenile responses to alarm calls. <i>Animal Behaviour</i> , 2011, 82, 767-774.	1.9	26
47	On-farm broiler chicken welfare assessment using transect sampling reflects environmental inputs and production outcomes. <i>PLoS ONE</i> , 2019, 14, e0214070.	2.5	26
48	Positive welfare. , 2018, , 415-444.		25
49	Positive Reinforcement Training for Blood Collection in Grizzly Bears ( <i>Ursus arctos</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26 Investigation. <i>Journal of Applied Animal Welfare Science</i> , 2016, 19, 210-215.	1.0	23
50	Tickling, a Technique for Inducing Positive Affect When Handling Rats. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	23
51	A note on aggression and cannibalism in laying hens following re-housing and re-grouping. <i>Applied Animal Behaviour Science</i> , 2002, 76, 157-163.	1.9	22
52	The effect of cage and house design on egg production and egg weight of White Leghorn hens: An epidemiological study. <i>Poultry Science</i> , 2012, 91, 1522-1535.	3.4	21
53	Differences in skeletal and ornamental traits between laying hen cannibals, victims and bystanders. <i>Applied Animal Behaviour Science</i> , 2002, 77, 115-126.	1.9	20
54	Play behaviour reduced by environmental enrichment in fast-growing broiler chickens. <i>Applied Animal Behaviour Science</i> , 2020, 232, 105098.	1.9	20

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55	Nest-building behaviour and activity budgets of sows provided with different materials. <i>Applied Animal Behaviour Science</i> , 2018, 200, 36-44.	1.9	19
56	Playful handling as social enrichment for individually- and group-housed laboratory rats. <i>Applied Animal Behaviour Science</i> , 2013, 143, 85-95.	1.9	18
57	Behaviour of roaster chickens towards an automatic weighing perch. <i>British Poultry Science</i> , 1985, 26, 229-237.	1.7	17
58	Social Interaction with an "Unidentified Moving Object" Elicits A-Not-B Error in Domestic Dogs. <i>PLoS ONE</i> , 2016, 11, e0151600.	2.5	17
59	The effect of feeder space allocation on productivity and physiology of Hy-Line W-36 hens housed in conventional cages. <i>Poultry Science</i> , 2009, 88, 1793-1799.	3.4	16
60	Which types of rooting material give weaner pigs most pleasure?. <i>Applied Animal Behaviour Science</i> , 2020, 231, 105070.	1.9	16
61	The social buffering effect of playful handling on responses to repeated intraperitoneal injections in laboratory rats. <i>Journal of the American Association for Laboratory Animal Science</i> , 2014, 53, 168-73.	1.2	16
62	Behavioural signs of postoperative pain in cats following onychectomy or tenectomy surgery. <i>Applied Animal Behaviour Science</i> , 2005, 92, 325-335.	1.9	15
63	The effect of feeder space allocation on behavior of Hy-Line W-36 hens housed in conventional cages. <i>Poultry Science</i> , 2009, 88, 1544-1552.	3.4	15
64	Playful handling of laboratory rats is more beneficial when applied before than after routine injections. <i>Applied Animal Behaviour Science</i> , 2015, 164, 81-90.	1.9	15
65	Flock size during rearing affects pullet behavioural synchrony and spatial clustering. <i>Applied Animal Behaviour Science</i> , 2017, 194, 36-41.	1.9	14
66	Postmortem Time and Storage Temperature Affect the Concentrations of Hypoxanthine, other Purines, Pyrimidines, and Nucleosides in Avian and Porcine Vitreous Humor. <i>Pediatric Research</i> , 1989, 26, 639-640.	2.3	13
67	Individual production differences do not explain cannibalistic behaviour in laying hens. <i>British Poultry Science</i> , 2004, 45, 453-462.	1.7	13
68	Modelling personality, plasticity and predictability in shelter dogs. <i>Royal Society Open Science</i> , 2017, 4, 170618.	2.4	13
69	Prenatal and Early Postnatal Behavioural Programming in Laying Hens, With Possible Implications for the Development of Injurious Pecking. <i>Frontiers in Veterinary Science</i> , 2021, 8, 678500.	2.2	13
70	Physiological and behavioural responses of laboratory rats housed at different tier levels and levels of visual contact with conspecifics and humans. <i>Applied Animal Behaviour Science</i> , 2010, 125, 69-79.	1.9	12
71	Early mother-young interactions in domestic sows " Nest-building material increases maternal investment. <i>Applied Animal Behaviour Science</i> , 2019, 219, 104837.	1.9	12
72	Comparison of social ranks based on worm-running and aggressive behaviour in young domestic fowl. <i>Behavioural Processes</i> , 2004, 65, 79-86.	1.1	11

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73	Vocal and locomotor responses of piglets to social isolation and reunion. <i>Developmental Psychobiology</i> , 2010, 52, 1-12.	1.6	11
74	Pet Poultry Training for Veterinary Practitioners. <i>Journal of Veterinary Medical Education</i> , 2010, 37, 383-387.	0.6	11
75	Fatty Acid Composition of Hepatic and Cardiac Tissue from Chickens Dying of Sudden Death Syndrome1. <i>Poultry Science</i> , 1987, 66, 1459-1465.	3.4	9
76	A dynamic approach to the study of environmental enrichment and animal welfare. <i>Applied Animal Behaviour Science</i> , 1997, 54, 53-57.	1.9	9
77	Developing a novel welfare assessment tool for loose-housed laying hens – the Aviary Transect method. <i>Poultry Science</i> , 2021, 101, 101533.	3.4	9
78	Computer-aided method for calculating animal configurations during social interactions from two-dimensional coordinates of color-marked body parts. <i>Behavior Research Methods</i> , 2001, 33, 364-370.	1.3	8
79	Cannibalism.. , 2004, , 239-258.		8
80	Abnormal behaviour of piglets reared in individual incubators. <i>Applied Animal Ethology</i> , 1983, 11, 83-84.	0.5	7
81	The Role of Temperature and Litter Type in the Development of Breast Buttons in Turkeys ., <i>Poultry Science</i> , 1993, 72, 467-474.	3.4	7
82	Piglets call for maternal attention: Vocal behaviour in <i>Sus scrofa domestica</i> is modulated by mother's proximity. <i>Applied Animal Behaviour Science</i> , 2015, 171, 88-93.	1.9	7
83	EFFECT OF ALTERNATING LIGHTS AND STRAIN ON ROASTER CHICKEN PERFORMANCE AND MORTALITY DUE TO SUDDEN DEATH SYNDROME. <i>Canadian Journal of Animal Science</i> , 1985, 65, 993-996.	1.5	6
84	Using network analysis to study behavioural phenotypes: an example using domestic dogs. <i>Royal Society Open Science</i> , 2016, 3, 160268.	2.4	5
85	Breaking social bonds.. , 2001, , 307-331.		5
86	Aggressiveness as a latent personality trait of domestic dogs: Testing local independence and measurement invariance. <i>PLoS ONE</i> , 2017, 12, e0183595.	2.5	5
87	2. Pioneers of applied ethology. , 2016, , 51-76.		5
88	Consumption of alcohol by sows in a choice test. <i>Physiology and Behavior</i> , 2006, 88, 101-107.	2.1	4
89	Rewarding memories? Behaviour of broiler chickens towards peat in flocks with and without previous exposure to peat. <i>Applied Animal Behaviour Science</i> , 2020, 232, 105129.	1.9	4
90	The development of social behaviour in piglets. <i>Applied Animal Ethology</i> , 1982, 9, 86-87.	0.5	3

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91	Interaction with Shelter Dogs Reduces Negative Affect of Adolescents in Substance Use Disorder Treatment. <i>Anthrozoos</i> , 2016, 29, 247-262.	1.4	3
92	Role of 4-H Dog Programs in Life Skills Development. <i>Anthrozoos</i> , 2017, 30, 91-108.	1.4	3
93	Social facilitation as a measure of social relations in piglets kept extensively. <i>Applied Animal Ethology</i> , 1980, 6, 391.	0.5	2
94	Avian vitreous humor concentrations of inosine, hypoxanthine, xanthine, uric acid, uracil and uridine as influenced by age and sex: Their relevance as indicators of ante-mortem hypoxia. <i>Forensic Science International</i> , 1990, 47, 123-127.	2.2	2
95	Commercial Free-Range Egg Production Practices. , 2017, , 89-102.		2
96	Research Note: Effect of Estradiol-17 $\beta$ -Monopalmitate on the Incidence of Sudden Death Syndrome in Male Broiler Chickens. <i>Poultry Science</i> , 1988, 67, 156-157.	3.4	1
97	A standardized cage measurement system: A versatile tool for calculating usable cage space <sup>1</sup> . <i>Journal of Applied Poultry Research</i> , 2012, 21, 657-668.	1.2	1
98	Behavioral, emotional, and cognitive effects of domestication.. , 2017, , 315-329.		1
99	The contribution of environmental enrichment to sustainable poultry production. <i>Burleigh Dodds Series in Agricultural Science</i> , 2017, , 247-280.	0.2	1
100	A network approach to understanding dog personality. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2015, 10, 446.	1.2	0