Rupert Palme

List of Publications by Year
in descending order

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412	17,379	19636 61	22147 113
papers	citations	h-index	g-index

426	426	426	11197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hormones as indicators of stress. Domestic Animal Endocrinology, 2002, 23, 67-74.	0.8	820
2	Measuring stress in wildlife: techniques for quantifying glucocorticoids. Oecologia, 2011, 166, 869-887.	0.9	679
3	Measuring Fecal Glucocorticoid Metabolites in Mammals and Birds: The Importance of Validation. Annals of the New York Academy of Sciences, 2005, 1046, 54-74.	1.8	630
4	Effects of sex and time of day on metabolism and excretion of corticosterone in urine and feces of mice. General and Comparative Endocrinology, 2003, 130, 267-278.	0.8	482
5	Antidepressants recruit new neurons to improve stress response regulation. Molecular Psychiatry, 2011, 16, 1177-1188.	4.1	406
6	Stress Hormones in Mammals and Birds: Comparative Aspects Regarding Metabolism, Excretion, and Noninvasive Measurement in Fecal Samples. Annals of the New York Academy of Sciences, 2005, 1040, 162-171.	1.8	402
7	Measuring Fecal Steroids: Guidelines for Practical Application. Annals of the New York Academy of Sciences, 2005, 1046, 75-80.	1.8	396
8	Non-invasive measurement of glucocorticoids: Advances and problems. Physiology and Behavior, 2019, 199, 229-243.	1.0	367
9	Excretion of infused 14C-steroid hormones via faeces and urine in domestic livestock. Animal Reproduction Science, 1996, 43, 43-63.	0.5	337
10	Density Triggers Maternal Hormones That Increase Adaptive Offspring Growth in a Wild Mammal. Science, 2013, 340, 1215-1217.	6.0	336
11	Faecal steroid analysis for non-invasive monitoring of reproductive status in farm, wild and zoo animals. Animal Reproduction Science, 1996, 42, 515-526.	0.5	315
12	Analyzing corticosterone metabolites in fecal samples of mice: a noninvasive technique to monitor stress hormones. Hormones and Behavior, 2004, 45, 10-22.	1.0	314
13	Measurement of cortisol metabolites in faeces of ruminants. Veterinary Research Communications, 2002, 26, 127-139.	0.6	284
14	Comparative Aspects of the Metabolism and Excretion of Cortisol in Three Individual Nonhuman Primates. General and Comparative Endocrinology, 2000, 117, 427-438.	0.8	223
15	Measurement of Corticosterone Metabolites in Birds' Droppings: An Analytical Approach. Annals of the New York Academy of Sciences, 2005, 1046, 17-34.	1.8	207
16	Voluntary exercise induces anxietyâ€like behavior in adult C57BL/6J mice correlating with hippocampal neurogenesis. Hippocampus, 2010, 20, 364-376.	0.9	195
17	Comparison of different enzymeimmunoassays for assessment of adrenocortical activity in primates based on fecal analysis. American Journal of Primatology, 2006, 68, 257-273.	0.8	183
18	Non-invasive assessment of adrenocortical function in the male African elephant (Loxodonta) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	0.8	169

#	Article	IF	Citations
19	Monitoring stress hormone metabolites as a useful, non-invasive tool for welfare assessment in farm animals. Animal Welfare, 2012, 21, 331-337.	0.3	167
20	Measurement of faecal cortisol metabolites in cats and dogs: a non-invasive method for evaluating adrenocortical function. , 2001, 25, 271-287.		166
21	Ski tourism affects habitat use and evokes a physiological stress response in capercaillie Tetrao urogallus: a new methodological approach. Journal of Applied Ecology, 2008, 45, 845-853.	1.9	161
22	Measurement of Glucocorticoid Metabolite Concentrations in Faeces of Domestic Livestock. Transboundary and Emerging Diseases, 1999, 46, 621-631.	0.6	156
23	Effects of season, sex, and sample collection on concentrations of fecal cortisol metabolites in red deer (Cervus elaphus). General and Comparative Endocrinology, 2003, 130, 48-54.	0.8	154
24	Mice selected for high versus low stress reactivity: A new animal model for affective disorders. Psychoneuroendocrinology, 2008, 33, 839-862.	1.3	154
25	Characterization of urinary and fecal metabolites of testosterone and their measurement for assessing gonadal endocrine function in male nonhuman primates. General and Comparative Endocrinology, 2002, 129, 135-145.	0.8	143
26	Spreading free-riding snow sports represent a novel serious threat for wildlife. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1219-1224.	1.2	138
27	Assessing feed efficiency in beef steers through feeding behavior, infrared thermography and glucocorticoids. Animal, 2010, 4, 692-701.	1.3	131
28	Phenotypic differences in behavior, physiology and neurochemistry between rats selected for tameness and for defensive aggression towards humans. Hormones and Behavior, 2008, 53, 413-421.	1.0	127
29	Severity classification of repeated isoflurane anesthesia in C57BL/6JRj miceâ€"Assessing the degree of distress. PLoS ONE, 2017, 12, e0179588.	1.1	118
30	Transport stress in caftle as reflected by an increase in faecal cortisol metabolite concentrations. Veterinary Record, 2000, 146, 108-109.	0.2	112
31	Fecal cortisol metabolite levels in free-ranging North American red squirrels: Assay validation and the effects of reproductive condition. General and Comparative Endocrinology, 2010, 167, 279-286.	0.8	110
32	Measurement of corticosterone metabolites in chicken droppings. British Poultry Science, 2004, 45, 704-711.	0.8	107
33	Non-invasive measurement of adrenocortical activity in male and female rats. Laboratory Animals, 2007, 41, 372-387.	0.5	107
34	Multifaceted strain-specific effects in a mouse model of depression and of antidepressant reversal. Psychoneuroendocrinology, 2008, 33, 1357-1368.	1.3	98
35	Wheel-running in a transgenic mouse model of Alzheimer's disease: Protection or symptom?. Behavioural Brain Research, 2008, 190, 74-84.	1.2	93
36	Mouse social stress induces increased fear conditioning, helplessness and fatigue to physical challenge together with markers of altered immune and dopamine function. Neuropharmacology, 2014, 85, 328-341.	2.0	92

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37	Social stress shortens lifespan in mice. Aging Cell, 2018, 17, e12778.	3.0	89
38	Activity changes and marked stereotypic behavior precede AÎ² pathology in TgCRND8 Alzheimer mice. Neurobiology of Aging, 2006, 27, 955-964.	1.5	88
39	Noninvasive Monitoring of Adrenocortical Activity in Roe Deer (Capreolus capreolus) by Measurement of Fecal Cortisol Metabolites. General and Comparative Endocrinology, 2001, 123, 111-120.	0.8	87
40	Hair cortisol: a parameter of chronic stress? Insights from a radiometabolism study in guinea pigs. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 985-996.	0.7	87
41	A less stressful alternative to oral gavage for pharmacological and toxicological studies in mice. Toxicology and Applied Pharmacology, 2012, 260, 65-69.	1.3	87
42	Partial reductions in mechanical loading yield proportional changes in bone density, bone architecture, and muscle mass. Journal of Bone and Mineral Research, 2013, 28, 875-885.	3.1	87
43	Impaired daily glucocorticoid rhythm in Per1 Brd mice. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2006, 192, 769-775.	0.7	86
44	Modulation of behavioural profile and stress response by 5-HTT genotype and social experience in adulthood. Behavioural Brain Research, 2010, 207, 21-29.	1.2	84
45	Interaction of brain 5-HT synthesis deficiency, chronic stress and sex differentially impact emotional behavior in Tph2 knockout mice. Psychopharmacology, 2015, 232, 2429-2441.	1.5	83
46	Salivary cortisol and cardiovascular reactivity to a public speaking task in a virtual and real-life environment. Computers in Human Behavior, 2016, 62, 124-135.	5.1	82
47	Stress and the microbiome: linking glucocorticoids to bacterial community dynamics in wild red squirrels. Biology Letters, 2016, 12, 20150875.	1.0	81
48	Effects of Cage Enrichment on Behavior, Welfare and Outcome Variability in Female Mice. Frontiers in Behavioral Neuroscience, 2018, 12, 232.	1.0	81
49	Testing the threat-sensitive predator avoidance hypothesis: physiological responses and predator pressure in wild rabbits. Oecologia, 2009, 158, 615-623.	0.9	80
50	Effects of season, age, sex, and housing on salivary cortisol concentrations in horses. Domestic Animal Endocrinology, 2015, 52, 11-16.	0.8	76
51	Salivary cortisol and behavior in therapy dogs during animal-assisted interventions: A pilot study. Journal of Veterinary Behavior: Clinical Applications and Research, 2014, 9, 98-106.	0.5	75
52	Excretion of corticosteroid metabolites in urine and faeces of rats. Laboratory Animals, 2001, 35, 307-314.	0.5	74
53	Therapy dogsâ€™ salivary cortisol levels vary during animal-assisted interventions. Animal Welfare, 2013, 22, 369-378.	0.3	71
54	Excretion of corticosteroids in urine and faeces of hares (Lepus europaeus). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2000, 170, 163-168.	0.7	69

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55	Age- and sex-dependent development of adrenocortical hyperactivity in a transgenic mouse model of Alzheimerâ€™s disease. Neurobiology of Aging, 2004, 25, 893-904.	1.5	69
56	Winter tourism increases stress hormone levels in the Capercaillie Tetrao urogallus. Ibis, 2011, 153, 122-133.	1.0	69
57	Effects of stress in hens on the behaviour of their offspring. Applied Animal Behaviour Science, 2007, 107, 66-77.	0.8	66
58	Assessment of the Stress Response in Columbian Ground Squirrels: Laboratory and Field Validation of an Enzyme Immunoassay for Fecal Cortisol Metabolites. Physiological and Biochemical Zoology, 2009, 82, 291-301.	0.6	66
59	Rhythmicity in Mice Selected for Extremes in Stress Reactivity: Behavioural, Endocrine and Sleep Changes Resembling Endophenotypes of Major Depression. PLoS ONE, 2009, 4, e4325.	1.1	66
60	Hormones, parasites and male mating tactics in Alpine chamois: identifying the mechanisms of life history trade-offs. Animal Behaviour, 2012, 84, 1061-1070.	0.8	65
61	Disturbance of wildlife by outdoor winter recreation: allostatic stress response and altered activityâ€“energy budgets. Ecological Applications, 2015, 25, 1197-1212.	1.8	65
62	Non-invasive measurement of the physiological stress response of wild rabbits to the odour of a predator. Chemoecology, 2006, 16, 25-29.	0.6	64
63	Stress and Demographic Decline: A Potential Effect Mediated by Impairment of Reproduction and Immune Function in Cyclic Vole Populations. Physiological and Biochemical Zoology, 2008, 81, 63-73.	0.6	64
64	Corticosterone in Chicken Eggs. Annals of the New York Academy of Sciences, 2005, 1046, 193-203.	1.8	62
65	How does diet affect fecal steroid hormone metabolite concentrations? An experimental examination in red squirrels. General and Comparative Endocrinology, 2011, 174, 124-131.	0.8	62
66	Low plasma cortisol and fecal cortisol metabolite measures as indicators of compromised welfare in domestic horses (Equus caballus). PLoS ONE, 2017, 12, e0182257.	1.1	62
67	Pain causes increased concentrations of glucocorticoid metabolites in horse feces. Journal of Equine Veterinary Science, 2000, 20, 586-590.	0.4	60
68	Concentrations of faecal glucocorticoid metabolites in physically injured freeâ€ranging African elephants Loxodonta africana. Wildlife Biology, 2010, 16, 323-332.	0.6	60
69	Integration into the dairy cow herd: Long-term effects of mother contact during the first twelve weeks of life. Applied Animal Behaviour Science, 2012, 141, 117-129.	0.8	60
70	Impact of repeated anesthesia with ketamine and xylazine on the well-being of C57BL/6JRj mice. PLoS ONE, 2018, 13, e0203559.	1.1	59
71	The response of C57BL/6J and BALB/cJ mice to increased housing density. Journal of the American Association for Laboratory Animal Science, 2009, 48, 740-53.	0.6	57
72	Evaluating the temperament in shelter dogs. Behaviour, 2005, 142, 1307-1328.	0.4	56

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73	Mountainâ€top and valleyâ€bottom experiences: the stress axis as an integrator of environmental variability in arctic ground squirrel populations. Journal of Zoology, 2012, 287, 65-75.	0.8	56
74	Mountain hares Lepus timidus and tourism: stress events and reactions. Journal of Applied Ecology, 2014, 51, 6-12.	1.9	56
75	Influence of external factors on hair cortisol concentrations. General and Comparative Endocrinology, 2016, 233, 73-78.	0.8	56
76	Are cats (Felis catus) from multi-cat households more stressed? Evidence from assessment of fecal glucocorticoid metabolite analysis. Physiology and Behavior, 2013, 122, 72-75.	1.0	55
77	Measuring Corticosterone Metabolites in Droppings of Capercaillies (Tetrao urogallus). Annals of the New York Academy of Sciences, 2005, 1046, 96-108.	1.8	51
78	Does learning performance in horses relate to fearfulness, baseline stress hormone, and social rank?. Applied Animal Behaviour Science, 2012, 140, 44-52.	0.8	50
79	Does hierarchy stability influence testosterone and cortisol levels of bearded capuchin monkeys (Sapajus libidinosus) adult males? A comparison between two wild groups. Behavioural Processes, 2014, 109, 79-88.	0.5	50
80	Heat stress in cows at pasture and benefit of shade in a temperate climate region. International Journal of Biometeorology, 2018, 62, 585-595.	1.3	50
81	A Noninvasive Technique to Evaluate Human-Generated Stress in the Black Grouse. Annals of the New York Academy of Sciences, 2005, 1046, 81-95.	1.8	49
82	Effect of brooders on feather pecking and cannibalism in domestic fowl (Gallus gallus domesticus). Applied Animal Behaviour Science, 2006, 99, 287-300.	0.8	49
83	Circadian activity of the hypothalamicâ€“pituitaryâ€“adrenal axis is differentially affected in the rat chronic mild stress model of depression. Stress, 2012, 15, 647-657.	0.8	49
84	Improving reproducibility in animal research by splitting the study population into several â€˜mini-experimentsâ€™. Scientific Reports, 2020, 10, 16579.	1.6	49
85	Non-invasive measurement of adrenocortical and gonadal activity in male and female guinea pigs (Cavia aperea f. porcellus). General and Comparative Endocrinology, 2008, 156, 482-489.	0.8	48
86	Mother rearing of dairy calves: Reactions to isolation and to confrontation with an unfamiliar conspecific in a new environment. Applied Animal Behaviour Science, 2013, 147, 43-54.	0.8	48
87	Flow, social interaction anxiety and salivary cortisol responses in serious games: A quasi-experimental study. Computers and Education, 2014, 79, 69-100.	5.1	47
88	Assessment of chronic stress in sheep (part I): The use of cortisol and cortisone in hair as non-invasive biological markers. Small Ruminant Research, 2015, 132, 25-31.	0.6	47
89	Endocrine correlates of musth and the impact of ecological and social factors in free-ranging African elephants (Loxodonta africana). Hormones and Behavior, 2010, 57, 506-514.	1.0	45
90	It's what's on the inside that counts: stress physiology and the bacterial microbiome of a wild urban mammal. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20192111.	1.2	45

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91	Behaviour and stress responses in horses with gastric ulceration. Applied Animal Behaviour Science, 2012, 142, 160-167.	0.8	44
92	Assessment of carprofen and buprenorphine on recovery of mice after surgical removal of the mammary fat pad. Journal of the American Association for Laboratory Animal Science, 2010, 49, 610-6.	0.6	43
93	Non-Invasive Monitoring of the Adrenocortical Response in Red Deer. Journal of Wildlife Management, 2003, 67, 258.	0.7	42
94	Social dominance hierarchy type and rank contribute to phenotypic variation within cages of laboratory mice. Scientific Reports, 2019, 9, 13650.	1.6	41
95	Environmentally Enriched Male Mink Gain More Copulations than Stereotypic, Barren-Reared Competitors. PLoS ONE, 2013, 8, e80494.	1.1	41
96	Faecal Metabolites of Infused14C-Progesterone in Domestic Livestock. Reproduction in Domestic Animals, 1997, 32, 199-206.	0.6	40
97	The effects of sex, age and commensal way of life on levels of fecal glucocorticoid metabolites in spiny mice (Acomys cahirinus). Physiology and Behavior, 2008, 95, 187-193.	1.0	40
98	The Calm Mouse: An Animal Model of Stress Reduction. Molecular Medicine, 2012, 18, 606-617.	1.9	40
99	Sleeping tight or hiding in fright? The welfare implications of different subtypes of inactivity in mink. Applied Animal Behaviour Science, 2013, 144, 138-146.	0.8	40
100	Phenotypic variability between Social Dominance Ranks in laboratory mice. Scientific Reports, 2018, 8, 6593.	1.6	40
101	The influence of gentle interactions on avoidance distance towards humans, weight gain and physiological parameters in group-housed dairy calves. Applied Animal Behaviour Science, 2015, 172, 9-16.	0.8	39
102	Taking the stress out of blood collection: comparison of field bloodâ€sampling techniques for analysis of baseline corticosterone. Journal of Avian Biology, 2008, 39, 588-592.	0.6	38
103	Toward evidenceâ€based severity assessment in rat models with repeated seizures: I. Electrical kindling. Epilepsia, 2018, 59, 765-777.	2.6	37
104	The impact of handling technique and handling frequency on laboratory mouse welfare is sex-specific. Scientific Reports, 2020, 10, 17281.	1.6	37
105	The stress of being alone: Removal from the colony, but not social subordination, increases fecal cortisol metabolite levels in eusocial naked mole-rats. Hormones and Behavior, 2020, 121, 104720.	1.0	37
106	The measurement of glucocorticoid concentrations in the serum and faeces of captive African elephants (Loxodonta africana) after ACTH stimulation : research communication. Journal of the South African Veterinary Association, 2000, 71, 192-196.	0.2	36
107	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.	0.8	36
108	Effects of mother versus artificial rearing during the first 12 weeks of life on challenge responses of dairy cows. Applied Animal Behaviour Science, 2015, 164, 1-11.	0.8	36

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109	Long-term dim light during nighttime changes activity patterns and space use in experimental small mammal populations. Environmental Pollution, 2018, 238, 844-851.	3.7	36
110	Are Motorways Potential Stressors of Roadside Wood Mice (Apodemus sylvaticus) Populations?. PLoS ONE, 2014, 9, e91942.	1.1	35
111	One size does not fit all: Monitoring faecal glucocorticoid metabolites in marsupials. General and Comparative Endocrinology, 2017, 244, 146-156.	0.8	35
112	Different types of oestrous cycle in two closely related South American rodents (Cavia aperea and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	34
113	Selection against stereotypic behaviour may have contradictory consequences for the welfare of farm mink (Mustela vison). Applied Animal Behaviour Science, 2007, 107, 110-119.	0.8	34
114	Vaccination against GnRH may suppress aggressive behaviour and musth in African elephant (Loxodonta africana) bulls - a pilot study. Journal of the South African Veterinary Association, 2010, 81, 8-15.	0.2	34
115	Faecal glucocorticoid metabolites: How to express yourself â€“ comparison of absolute amounts versus concentrations in samples from a study in laboratory rats. Laboratory Animals, 2010, 44, 192-198.	0.5	34
116	Stress and stereotypic behaviour in mink (Mustela vison): A focus on adrenocortical activity. Stress, 2011, 14, 312-323.	0.8	34
117	Plasma cortisol and faecal cortisol metabolites concentrations in stereotypic and non-stereotypic horses: do stereotypic horses cope better with poor environmental conditions?. BMC Veterinary Research, 2013, 9, 3.	0.7	34
118	Measurement of fecal glucocorticoid metabolite levels in Eurasian red squirrels (Sciurus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 To 2016, 97, 1385-1398.	0.6	34
119	Stress in biological invasions: Introduced invasive grey squirrels increase physiological stress in native Eurasian red squirrels. Journal of Animal Ecology, 2018, 87, 1342-1352.	1.3	34
120	Measurement of concentrations of Faecal Glucocorticoid Metabolites in free-ranging African Elephants within the Kruger National Park. Koedoe, 2008, 50, .	0.3	33
121	Assessing the impact of live-capture, confinement, and translocation on stress and fate in eastern gray squirrels. Journal of Mammalogy, 2013, 94, 1401-1411.	0.6	33
122	Incubation temperature affects the expression of young precocial birdsâ€™ fear-related behaviours and neuroendocrine correlates. Scientific Reports, 2018, 8, 1857.	1.6	33
123	Carrier training cats reduces stress on transport to a veterinary practice. Applied Animal Behaviour Science, 2018, 206, 64-74.	0.8	33
124	Milking of Brown Swiss and Austrian Simmental cows in a herringbone parlour or an automatic milking unit. Applied Animal Behaviour Science, 2004, 88, 209-225.	0.8	32
125	Effects of stereotypic behaviour and chronic mild stress on judgement bias in laboratory mice. Applied Animal Behaviour Science, 2016, 174, 162-172.	0.8	32
126	Living in a dangerous world decreases maternal care: A study in serotonin transporter knockout mice. Hormones and Behavior, 2011, 60, 397-407.	1.0	31

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127	Loner or socializer? Ravens' adrenocortical response to individual separation depends on social integration. Hormones and Behavior, 2016, 78, 194-199.	1.0	31
128	Behavioral and Physiological Responses of Trap-Induced Stress in European Badgers. Journal of Wildlife Management, 2006, 70, 884-891.	0.7	30
129	Resilient emotionality and molecular compensation in mice lacking the oligodendrocyte-specific gene Cnp1. Translational Psychiatry, 2011, 1, e42-e42.	2.4	30
130	Effect of three different forms of handling on the variation of aggression-associated parameters in individually and group-housed male C57BL/6NCrl mice. PLoS ONE, 2019, 14, e0215367.	1.1	30
131	Individual differences in behaviour and in adrenocortical activity in beef-suckler cows. Applied Animal Behaviour Science, 2003, 84, 167-183.	0.8	29
132	Seasonal changes in cortisol and progesterone secretion in Common hamsters. General and Comparative Endocrinology, 2007, 152, 14-21.	0.8	29
133	Determination of Fecal Glucocorticoid Metabolites to Evaluate Stress Response in Alouatta pigra. International Journal of Primatology, 2008, 29, 1365-1373.	0.9	29
134	Sex differences in the excretion of fecal glucocorticoid metabolites in the Syrian hamster. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 919-925.	0.7	29
135	Effects of prenatal stress on hypothalamicâ€“pituitaryâ€“adrenal (HPA) axis function over two generations of guinea pigs (Cavia aperea f. porcellus). General and Comparative Endocrinology, 2012, 176, 18-27.	0.8	29
136	An integrated analysis of social stress in laying hens: The interaction between physiology, behaviour, and hierarchy. Behavioural Processes, 2018, 149, 43-51.	0.5	29
137	Evaluation of the effects of space allowance on measures of animal welfare in laboratory mice. Scientific Reports, 2018, 8, 713.	1.6	29
138	Administration of Tramadol or Buprenorphine via the drinking water for post-operative analgesia in a mouse-osteotomy model. Scientific Reports, 2019, 9, 10749.	1.6	29
139	Periparturient nest building: Implications for parturition, kit survival, maternal stress and behaviour in farmed mink (Mustela vison). Applied Animal Behaviour Science, 2008, 114, 270-283.	0.8	28
140	Clustered environmental enrichments induce more aggression and stereotypic behaviour than do dispersed enrichments in female mice. Applied Animal Behaviour Science, 2011, 131, 145-152.	0.8	28
141	Individual variation in phenotypic plasticity of the stress axis. Biology Letters, 2019, 15, 20190260.	1.0	28
142	A non-invasive method for measuring glucocorticoid metabolites (GCM) in Mountain hares (Lepus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	27
143	Daily exposure to a touchscreen-paradigm and associated food restriction evokes an increase in adrenocortical and neural activity in mice. Hormones and Behavior, 2016, 81, 97-105.	1.0	27
144	Benefits of non-invasive methods compared to telemetry for distress analysis in a murine model of pancreatic cancer. Journal of Advanced Research, 2020, 21, 35-47.	4.4	27

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145	The winner and loser effect, serotonin transporter genotype, and the display of offensive aggression. Physiology and Behavior, 2011, 103, 565-574.	1.0	26
146	Turning Shy on a Winter's Day: Effects of Season on Personality and Stress Response in <scp>M</scp>icrotus arvalis. Ethology, 2014, 120, 753-767.	0.5	26
147	Non-invasive assessment of adrenocortical activity as a measure of stress in giraffe (Giraffa) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.7	26
148	Mixed-strain housing for female C57BL/6, DBA/2, and BALB/c mice: validating a split-plot design that promotes refinement and reduction. BMC Medical Research Methodology, 2016, 16, 11.	1.4	26
149	Evidence-based severity assessment: Impact of repeated versus single open-field testing on welfare in C57BL/6J mice. Behavioural Brain Research, 2018, 336, 261-268.	1.2	26
150	Enriched environment and stress exposure influence splenic B lymphocyte composition. PLoS ONE, 2017, 12, e0180771.	1.1	26
151	Away game or home match: The influence of venue and serotonin transporter genotype on the display of offensive aggression. Behavioural Brain Research, 2011, 219, 291-301.	1.2	25
152	Maternal androgens and behaviour in free-ranging North American red squirrels. Animal Behaviour, 2011, 81, 469-479.	0.8	25
153	Noninvasive Monitoring of Fecal Cortisol Metabolites in the Eastern Chipmunk (Tamias) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Zoology, 2012, 85, 183-193.	0.6	25
154	Environmental Enrichment Alters Splenic Immune Cell Composition and Enhances Secondary Influenza Vaccine Responses in Mice. Molecular Medicine, 2014, 20, 179-190.	1.9	25
155	Effects of weaning age and housing conditions on phenotypic differences in mice. Scientific Reports, 2020, 10, 11684.	1.6	25
156	Mice selected for extremes in stress reactivity reveal key endophenotypes of major depression: A translational approach. Psychoneuroendocrinology, 2014, 49, 229-243.	1.3	24
157	Chemical communication in the lacertid lizard <scp>P</scp>odarcis muralis: the functional significance of testosterone. Acta Zoologica, 2017, 98, 94-103.	0.6	24
158	Prominent corticosteroid disturbance in experimental prion disease. European Journal of Neuroscience, 2006, 23, 2723-2730.	1.2	23
159	Low maternal care exacerbates adult stress susceptibility in the chronic mild stress rat model of depression. Behavioural Pharmacology, 2012, 23, 735-743.	0.8	23
160	Co-Housing Rodents with Different Coat Colours as a Simple, Non-Invasive Means of Individual Identification: Validating Mixed-Strain Housing for C57BL/6 and DBA/2 Mice. PLoS ONE, 2013, 8, e77541.	1.1	23
161	Excretion and measurement of corticosterone and testosterone metabolites in bank voles (Myodes) Tj ETQq1 1 0.784314 rgBT /Over	0.8	23
162	Being stressed outside the parkâ€"conservation of African elephants (Loxodonta africana) in Namibia. , 2017, 5, cox067.		23

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163	How environmental enrichment affects behavioral and glucocorticoid responses in captive blue-and-yellow macaws (Ara ararauna). Applied Animal Behaviour Science, 2018, 201, 125-135.	0.8	23
164	Imaging correlates of behavioral impairments: An experimental PET study in the rat pilocarpine epilepsy model. Neurobiology of Disease, 2018, 118, 9-21.	2.1	23
165	Toward evidenceâ€based severity assessment in rat models with repeated seizures: III. Electrical postâ€status epilepticus model. Epilepsia, 2019, 60, 1539-1551.	2.6	23
166	Impact of three commonly used blood sampling techniques on the welfare of laboratory mice: Taking the animalâ€™s perspective. PLoS ONE, 2020, 15, e0238895.	1.1	23
167	Benefits of a Ball and Chain: Simple Environmental Enrichments Improve Welfare and Reproductive Success in Farmed American Mink (Neovison vison). PLoS ONE, 2014, 9, e110589.	1.1	23
168	S100B overexpression increases behavioral and neural plasticity in response to the social environment during adolescence. Journal of Psychiatric Research, 2013, 47, 1791-1799.	1.5	22
169	Factors influencing the welfare of goats in small established groups during the separation and reintegration of individuals. Applied Animal Behaviour Science, 2013, 144, 63-72.	0.8	22
170	Physiological response to etho-ecological stressors in male Alpine chamois: timescale matters!. Die Naturwissenschaften, 2014, 101, 577-586.	0.6	22
171	Environmental and Intrinsic Correlates of Stress in Free-Ranging Wolves. PLoS ONE, 2015, 10, e0137378.	1.1	22
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