

Norbert Sachser

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

7,118
citations

61857

43
h-index

62479

80
g-index

126
all docs

126
docs citations

126
times ranked

5729
citing authors

#	ARTICLE	IF	CITATIONS
1	Repeatability of endocrine traits and dominance rank in female guinea pigs. <i>Frontiers in Zoology</i> , 2022, 19, 4.	0.9	1
2	Once an optimist, always an optimist? Studying cognitive judgment bias in mice. <i>Behavioral Ecology</i> , 2022, 33, 775-788.	1.0	10
3	Do multiple experimenters improve the reproducibility of animal studies?. <i>PLoS Biology</i> , 2022, 20, e3001564.	2.6	20
4	When left is right: The effects of paw preference training on behaviour in mice. <i>Behavioural Brain Research</i> , 2022, 430, 113929.	1.2	0
5	Not all mice are alike: Mixed-strain housing alters social behaviour. <i>Physiology and Behavior</i> , 2021, 228, 113220.	1.0	7
6	The impact of varying food availability on health and welfare in mice: Testing the Match-Mismatch hypothesis. <i>Physiology and Behavior</i> , 2021, 228, 113193.	1.0	3
7	Regular touchscreen training affects faecal corticosterone metabolites and anxiety-like behaviour in mice. <i>Behavioural Brain Research</i> , 2021, 401, 113080.	1.2	8
8	A step in the right direction: the effect of context, strain and sex on paw preference in mice. <i>Animal Behaviour</i> , 2021, 174, 21-30.	0.8	3
9	Individuality meets plasticity: Endocrine phenotypes across male dominance rank acquisition in guinea pigs living in a complex social environment. <i>Hormones and Behavior</i> , 2021, 131, 104967.	1.0	9
10	Individuality, as well as genetic background, affects syntactical features of courtship songs in male mice. <i>Animal Behaviour</i> , 2021, 180, 179-196.	0.8	6
11	Effects of different social experiences on emotional state in mice. <i>Scientific Reports</i> , 2020, 10, 15255.	1.6	3
12	Improving reproducibility in animal research by splitting the study population into several "mini-experiments". <i>Scientific Reports</i> , 2020, 10, 16579.	1.6	49
13	Sensitive phases in the development of rodent social behavior. <i>Current Opinion in Behavioral Sciences</i> , 2020, 36, 63-70.	2.0	18
14	Adaptive reshaping of the hormonal phenotype after social niche transition in adulthood. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200667.	1.2	9
15	Technology or ecology? New tools to assess cognitive judgement bias in mice. <i>Behavioural Brain Research</i> , 2019, 362, 279-287.	1.2	29
16	Heterogenising study samples across testing time improves reproducibility of behavioural data. <i>Scientific Reports</i> , 2019, 9, 8247.	1.6	41
17	Can live with "em, can live without "em: Pair housed male C57BL/6J mice show low aggression and increasing sociopositive interactions with age, but can adapt to single housing if separated. <i>Applied Animal Behaviour Science</i> , 2019, 214, 79-88.	0.8	11
18	Have I been here before? Complex interactions of age and test experience modulate the results of behavioural tests. <i>Behavioural Brain Research</i> , 2019, 367, 143-148.	1.2	6

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19	Brain serotonin deficiency affects female aggression. <i>Scientific Reports</i> , 2019, 9, 1366.	1.6	18
20	Differential Effects of Serotonin Transporter Genotype on Anxiety-Like Behavior and Cognitive Judgment Bias in Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 263.	1.0	18
21	High Reproductive Success Despite Queuing – Socio-Sexual Development of Males in a Complex Social Environment. <i>Frontiers in Psychology</i> , 2019, 10, 2810.	1.1	5
22	The Effects of Different Feeding Routines on Welfare in Laboratory Mice. <i>Frontiers in Veterinary Science</i> , 2019, 6, 479.	0.9	10
23	Does the early social environment prepare individuals for the future? A match-mismatch experiment in female wild cavies. <i>Frontiers in Zoology</i> , 2018, 15, 13.	0.9	5
24	Evidence-based severity assessment: Impact of repeated versus single open-field testing on welfare in C57BL/6J mice. <i>Behavioural Brain Research</i> , 2018, 336, 261-268.	1.2	26
25	The adaptive shaping of social behavioural phenotypes during adolescence. <i>Biology Letters</i> , 2018, 14, 20180536.	1.0	33
26	Varying Social Experiences in Adulthood Do Not Differentially Affect Anxiety-Like Behavior But Stress Hormone Levels. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 72.	1.0	1
27	Emotionen. , 2018, , 64-69.		0
28	Start early! Does social instability during the pre- and early postnatal development prepare male wild cavies for social challenge later in life?. <i>Frontiers in Zoology</i> , 2017, 14, 2.	0.9	5
29	Specific manipulation or systemic impairment? Behavioural changes of three-spined sticklebacks (<i>Gasterosteus aculeatus</i>) infected with the tapeworm <i>Schistocephalus solidus</i> . <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	0.6	18
30	Adaptive shaping of the behavioural and neuroendocrine phenotype during adolescence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162784.	1.2	24
31	Stress responsiveness and anxiety-like behavior: The early social environment differentially shapes stability over time in a small rodent. <i>Hormones and Behavior</i> , 2017, 90, 90-97.	1.0	6
32	What a difference a day makes – female behaviour is less predictable near ovulation. <i>Royal Society Open Science</i> , 2017, 4, 160998.	1.1	5
33	Social experiences during adolescence affect anxiety-like behavior but not aggressiveness in male mice. <i>Behavioural Brain Research</i> , 2017, 326, 147-153.	1.2	5
34	The adaptiveness of a queuing strategy shaped by social experiences during adolescence. <i>Physiology and Behavior</i> , 2017, 181, 29-37.	1.0	9
35	Impact of varying social experiences during life history on behaviour, gene expression, and vasopressin receptor gene methylation in mice. <i>Scientific Reports</i> , 2017, 7, 8719.	1.6	22
36	The Unexpected Effects of Beneficial and Adverse Social Experiences during Adolescence on Anxiety and Aggression and Their Modulation by Genotype. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 97.	1.0	14

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37	Impact of Life History on Fear Memory and Extinction. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 185.	1.0	11
38	Play matters: the surprising relationship between juvenile playfulness and anxiety in later life. <i>Animal Behaviour</i> , 2016, 114, 261-271.	0.8	25
39	A Time to Wean? Impact of Weaning Age on Anxiety-Like Behaviour and Stability of Behavioural Traits in Full Adulthood. <i>PLoS ONE</i> , 2016, 11, e0167652.	1.1	21
40	Animals can tell us more. <i>Behavioral and Brain Sciences</i> , 2015, 38, e117.	0.4	2
41	Domestication affects the structure, development and stability of biobehavioural profiles. <i>Frontiers in Zoology</i> , 2015, 12, S19.	0.9	62
42	New perspectives in behavioural development: adaptive shaping of behaviour over a lifetime?. <i>Frontiers in Zoology</i> , 2015, 12, S1.	0.9	24
43	Stability and change: Stress responses and the shaping of behavioral phenotypes over the life span. <i>Frontiers in Zoology</i> , 2015, 12, S18.	0.9	20
44	Benefits of adversity?! How life history affects the behavioral profile of mice varying in serotonin transporter genotype. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 47.	1.0	19
45	Social instability during pregnancy and lactation alters female wild cavy offsprings' endocrine status and behaviour later in life. <i>Behaviour</i> , 2015, 152, 837-859.	0.4	6
46	Benefits of a 'vulnerability gene'? A study in serotonin transporter knockout mice. <i>Behavioural Brain Research</i> , 2015, 283, 116-120.	1.2	19
47	Effects of domestication on biobehavioural profiles: a comparison of domestic guinea pigs and wild cavies from early to late adolescence. <i>Frontiers in Zoology</i> , 2014, 11, 30.	0.9	29
48	Hope for the Best or Prepare for the Worst? Towards a Spatial Cognitive Bias Test for Mice. <i>PLoS ONE</i> , 2014, 9, e105431.	1.1	41
49	Unexpected effects of early-life adversity and social enrichment on the anxiety profile of mice varying in serotonin transporter genotype. <i>Behavioural Brain Research</i> , 2013, 247, 248-258.	1.2	17
50	To attack, or not to attack? The role of serotonin transporter genotype in the display of maternal aggression. <i>Behavioural Brain Research</i> , 2013, 242, 135-141.	1.2	21
51	Dimensions of Animal Personalities in Guinea Pigs. <i>Ethology</i> , 2013, 119, 970-982.	0.5	11
52	Early social instability affects plasma testosterone during adolescence but does not alter reproductive capacity or measures of stress later in life. <i>Physiology and Behavior</i> , 2013, 120, 143-149.	1.0	11
53	Emergence of Individuality in Genetically Identical Mice. <i>Science</i> , 2013, 340, 756-759.	6.0	413
54	Behavioural profiles are shaped by social experience: when, how and why. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120344.	1.8	126

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55	Das Zusammenspiel von Genotyp und Umwelt bei der Entwicklung von Furcht und Angst. E-Neuroforum, 2013, 19, 104-109.	0.2	4
56	5-HTT Deficiency Affects Neuroplasticity and Increases Stress Sensitivity Resulting in Altered Spatial Learning Performance in the Morris Water Maze but Not in the Barnes Maze. PLoS ONE, 2013, 8, e78238.	1.1	42
57	The winner and loser effect, serotonin transporter genotype, and the display of offensive aggression. Physiology and Behavior, 2011, 103, 565-574.	1.0	26
58	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
59	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
60	Inhibiting influence of testosterone on stress responsiveness during adolescence. Hormones and Behavior, 2011, 60, 691-698.	1.0	26
61	Preventive and therapeutic types of environmental enrichment counteract beta amyloid pathology by different molecular mechanisms. Neurobiology of Disease, 2011, 42, 530-538.	2.1	50
62	Social interaction decreases stress responsiveness during adolescence. Psychoneuroendocrinology, 2011, 36, 1370-1377.	1.3	30
63	Diversity of social and mating systems in caviies: a review. Journal of Mammalogy, 2011, 92, 39-53.	0.6	44
64	The social environment during pregnancy and lactation shapes the behavioral and hormonal profile of male offspring in wild caviies. Developmental Psychobiology, 2011, 53, 575-584.	0.9	24
65	Adaptive modulation of behavioural profiles by social stress during early phases of life and adolescence. Neuroscience and Biobehavioral Reviews, 2011, 35, 1518-1533.	2.9	134
66	Effect of Population Heterogenization on the Reproducibility of Mouse Behavior: A Multi-Laboratory Study. PLoS ONE, 2011, 6, e16461.	1.1	126
67	Social Defeat: Impact on Fear Extinction and Amygdala-Prefrontal Cortical Theta Synchrony in 5-HTT Deficient Mice. PLoS ONE, 2011, 6, e22600.	1.1	97
68	Wild genius - domestic fool? Spatial learning abilities of wild and domestic guinea pigs. Frontiers in Zoology, 2010, 7, 9.	0.9	33
69	Reduction of Cerebral Oxidative Stress Following Environmental Enrichment in Mice with Alzheimer's-Like Pathology. Brain Pathology, 2010, 20, 166-175.	2.1	73
70	Consequences of Serotonin Transporter Genotype and Early Adversity on Behavioral Profile " Pathology or Adaptation?. Frontiers in Neuroscience, 2010, 4, 187.	1.4	19
71	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
72	Social status and day-to-day behaviour of male serotonin transporter knockout mice. Behavioural Brain Research, 2010, 211, 220-228.	1.2	61

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73	Social interaction, testosterone, and stress responsiveness during adolescence. <i>Physiology and Behavior</i> , 2010, 99, 40-46.	1.0	49
74	The social modulation of behavioural development. , 2010, , 505-536.		18
75	Living in a dangerous world: the shaping of behavioral profile by early environment and 5-HTT genotype. <i>Frontiers in Behavioral Neuroscience</i> , 2009, 3, 26.	1.0	63
76	Baby schema modulates the brain reward system in nulliparous women. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9115-9119.	3.3	268
77	An unstable social environment affects sex ratio in guinea pigs: an adaptive maternal effect?. <i>Behaviour</i> , 2009, 146, 1513-1529.	0.4	13
78	Social buffering of the stress response: Diversity, mechanisms, and functions. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, 470-482.	2.5	351
79	Baby Schema in Infant Faces Induces Cuteness Perception and Motivation for Caretaking in Adults. <i>Ethology</i> , 2009, 115, 257-263.	0.5	356
80	Environmental enrichment enhances cellular plasticity in transgenic mice with Alzheimer-like pathology. <i>Experimental Neurology</i> , 2009, 216, 184-192.	2.0	121
81	Effects of Prenatal Social Stress on Offspring Development. <i>Current Directions in Psychological Science</i> , 2009, 18, 118-121.	2.8	41
82	Large males dominate: ecology, social organization, and mating system of wild cavies, the ancestors of the guinea pig. <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 1509-1521.	0.6	76
83	Environmental Enrichment Counteracts Alzheimer's Neurovascular Dysfunction in TgCRND8 Mice. <i>Brain Pathology</i> , 2008, 18, 32-39.	2.1	70
84	Body Weight and Rearing Conditions of Males, Female Choice and Paternities in a Small Mammal, <i>Cavia aperea</i> . <i>Ethology</i> , 2008, 114, 897-906.	0.5	12
85	Prenatal stress does not impair coping with challenge later in life. <i>Physiology and Behavior</i> , 2008, 93, 68-75.	1.0	13
86	Female influences on pair formation, reproduction and male stress responses in a monogamous cavy (<i>Galea monasteriensis</i>). <i>Hormones and Behavior</i> , 2008, 53, 403-412.	1.0	21
87	Effects of environmental enrichment on exploration, anxiety, and memory in female TgCRND8 Alzheimer mice. <i>Behavioural Brain Research</i> , 2008, 191, 43-48.	1.2	91
88	Prenatal maternal programming determines testosterone response during social challenge. <i>Hormones and Behavior</i> , 2007, 51, 387-394.	1.0	36
89	Social housing conditions around puberty determine later changes in plasma cortisol levels and behavior. <i>Physiology and Behavior</i> , 2007, 90, 405-411.	1.0	40
90	The welfare of laboratory guinea pigs. <i>Animal Welfare</i> , 2007, , 181-209.	1.0	13

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91	The Welfare of Laboratory Guinea Pigs. , 2007, , 181-209.		0
92	Reduction of Amyloid Angiopathy and A β Plaque Burden after Enriched Housing in TgCRND8 Mice. American Journal of Pathology, 2006, 169, 544-552.	1.9	81
93	Cortisol responses and social buffering: A study throughout the life span. Hormones and Behavior, 2006, 49, 383-390.	1.0	91
94	Social organization predicts nature of infant-adult interactions in two species of wild guinea pigs (<i>Cavia aperea</i> and <i>Galea monasteriensis</i>).. Journal of Comparative Psychology (Washington, D C: 1983), 2006, 120, 12-18.	0.3	18
95	The effects of prenatal social stress on behaviour: mechanisms and function. Neuroscience and Biobehavioral Reviews, 2005, 29, 283-294.	2.9	173
96	Paternal behaviour in wild guinea pigs: a comparative study in three closely related species with different social and mating systems. Journal of Zoology, 2005, 265, 97-105.	0.8	35
97	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
98	Effects of environmental enrichment on males of a docile inbred strain of mice. Physiology and Behavior, 2004, 82, 765-776.	1.0	68
99	Age- and sex-dependent development of adrenocortical hyperactivity in a transgenic mouse model of Alzheimer's disease. Neurobiology of Aging, 2004, 25, 893-904.	1.5	69
100	SOCIAL SYSTEM AND SPATIAL ORGANIZATION OF WILD GUINEA PIGS (<i>CAVIA APEREA</i>) IN A NATURAL POPULATION. Journal of Mammalogy, 2004, 85, 788-796.	0.6	104
101	Female choice in a promiscuous wild guinea pig, the yellow-toothed cavy (<i>Galea musteloides</i>). Behavioral Ecology and Sociobiology, 2003, 53, 341-349.	0.6	33
102	The social environment affects behaviour and androgens, but not cortisol in pregnant female guinea pigs. Psychoneuroendocrinology, 2003, 28, 67-83.	1.3	41
103	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
104	Maternal Separation in Guinea-Pigs: A Study in Behavioural Endocrinology. Ethology, 2003, 109, 443-453.	0.5	16
105	Is a wild mammal kept and reared in captivity still a wild animal?. Hormones and Behavior, 2003, 43, 187-196.	1.0	120
106	Effects of different forms of environmental enrichment on behavioral, endocrinological, and immunological parameters in male mice. Hormones and Behavior, 2003, 43, 281-292.	1.0	218
107	Sex-specific difference in social support—a study in female guinea pigs. Physiology and Behavior, 2003, 79, 297-303.	1.0	59
108	Pregnant female guinea pigs adapt easily to a new social environment irrespective of their rearing conditions. Physiology and Behavior, 2003, 80, 147-153.	1.0	7

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109	Early social stress in female guinea pigs induces a masculinization of adult behavior and corresponding changes in brain and neuroendocrine function. <i>Behavioural Brain Research</i> , 2003, 144, 199-210.	1.2	82
110	Social stress during pregnancy and lactation affects in guinea pigs the male offsprings' endocrine status and infantilizes their behaviour. <i>Psychoneuroendocrinology</i> , 2001, 26, 503-519.	1.3	63
111	Effects of ACTH applications during pregnancy on the female offsprings' endocrine status and behavior in guinea pigs. <i>Physiology and Behavior</i> , 2000, 70, 157-162.	1.0	11
112	The Behavioral Endocrinology of Domestication: A Comparison between the Domestic Guinea Pig (<i>Cavia apereaf.porcellus</i>) and Its Wild Ancestor, the Cavy (<i>Cavia aperea</i>). <i>Hormones and Behavior</i> , 1999, 35, 28-37.	1.0	201
113	SOCIAL RELATIONSHIPS AND THE MANAGEMENT OF STRESS. <i>Psychoneuroendocrinology</i> , 1998, 23, 891-904.	1.3	237
114	Of Domestic and Wild Guinea Pigs: Studies in Sociophysiology, Domestication, and Social Evolution. <i>Die Naturwissenschaften</i> , 1998, 85, 307-317.	0.6	87
115	The Social Environment During Pregnancy and Lactation Affects the Female Offsprings' Endocrine Status and Behaviour in Guinea Pigs. <i>Physiology and Behavior</i> , 1998, 63, 361-366.	1.0	60
116	Reproductive Benefits from Female Promiscuous Mating in a Small Mammal. <i>Ethology</i> , 1998, 104, 897-903.	0.5	61
117	Prenatal social stress masculinizes the females' behaviour in guinea pigs. <i>Physiology and Behavior</i> , 1996, 60, 589-594.	1.0	76
118	The environment, hormones, and aggressive behaviour: A 5-year-study in guinea pigs. <i>Psychoneuroendocrinology</i> , 1994, 19, 697-707.	1.3	56
119	The ability to arrange with conspecifics depends on social experiences around puberty. <i>Physiology and Behavior</i> , 1993, 53, 539-544.	1.0	49
120	Social experience, behavior, and stress in guinea pigs. <i>Physiology and Behavior</i> , 1991, 50, 83-90.	1.0	85
121	Plasma Testosterone Development in Colony and Individually Housed Male Guinea Pigs. <i>Ethology</i> , 1988, 79, 62-70.	0.5	35
122	Different Forms of Social Organization At High and Low Population Densities in Guinea Pigs. <i>Behaviour</i> , 1986, 97, 253-272.	0.4	91
123	Short-term effects of residence on the testosterone responses to fighting in alpha male guinea pigs. <i>Aggressive Behavior</i> , 1984, 10, 285-292.	1.5	67
124	The Impact of Varying Food Availability on Gene Expression in the Liver: Testing the Match-Mismatch Hypothesis. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	2