

Sylvia Ortmann

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

2,855
citations

257357

24
h-index

189801

50
g-index

85
all docs

85
docs citations

85
times ranked

2915
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural hypometabolism during hibernation and daily torpor in mammals. <i>Respiratory Physiology and Neurobiology</i> , 2004, 141, 317-329.	0.7	467
2	Central Administration of Ghrelin and Agouti-Related Protein (83â€“132) Increases Food Intake and Decreases Spontaneous Locomotor Activity in Rats. <i>Endocrinology</i> , 2004, 145, 4645-4652.	1.4	199
3	A case of non-scaling in mammalian physiology? Body size, digestive capacity, food intake, and ingesta passage in mammalian herbivores. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, 249-265.	0.8	148
4	Prenatal High Protein Exposure Decreases Energy Expenditure and Increases Adiposity in Young Rats. <i>Journal of Nutrition</i> , 2002, 132, 142-144.	1.3	105
5	Regulation of body temperature and energy requirements of hibernating Alpine marmots (<i>Marmota</i>) Tj ETQq1 1 0.784314 rgBT /O 2000, 278, R698-R704.	0.9	104
6	Food preferences of wild mountain gorillas. <i>American Journal of Primatology</i> , 2008, 70, 927-938.	0.8	99
7	The relationship of food intake and ingesta passage predicts feeding ecology in two different megaherbivore groups. <i>Oikos</i> , 2007, 116, 209-216.	1.2	86
8	Excretion patterns of solute and different-sized particle passage markers in foregut-fermenting proboscis monkey (<i>Nasalis larvatus</i>) do not indicate an adaptation for rumination. <i>Physiology and Behavior</i> , 2015, 149, 45-52.	1.0	83
9	Hyperphagia, lower body temperature, and reduced running wheel activity precede development of morbid obesity in New Zealand obese mice. <i>Physiological Genomics</i> , 2006, 25, 234-241.	1.0	80
10	Do cities represent sources, sinks or isolated islands for urban wild boar population structure?. <i>Journal of Applied Ecology</i> , 2017, 54, 272-281.	1.9	77
11	Ambient temperatures in hibernacula and their energetic consequences for alpine marmots <i>Marmota marmota</i> . <i>Journal of Thermal Biology</i> , 1991, 16, 223-226.	1.1	75
12	Secrets of Success in a Landscape of Fear: Urban Wild Boar Adjust Risk Perception and Tolerate Disturbance. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	1.1	70
13	Identification of energy consumption and nutritional stress by isotopic and elemental analysis of urine in bonobos (<i>Pan paniscus</i>). <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 69-77.	0.7	54
14	Excretion patterns of fluid and different sized particle passage markers in banteng (<i>Bos javanicus</i>) and pygmy hippopotamus (<i>Hexaprotodon liberiensis</i>): Two functionally different foregut fermenters. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 150, 32-39.	0.8	51
15	The influence of natural diet composition, food intake level, and body size on ingesta passage in primates. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 150, 274-281.	0.8	51
16	Plant foods consumed by <i>Pan</i> : Exploring the variation of nutritional ecology across Africa. <i>American Journal of Physical Anthropology</i> , 2010, 141, 476-485.	2.1	50
17	Behavioural Responses of European Roe Deer to Temporal Variation in Predation Risk. <i>Ethology</i> , 2013, 119, 233-243.	0.5	44
18	More efficient mastication allows increasing intake without compromising digestibility or necessitating a larger gut: Comparative feeding trials in banteng (<i>Bos javanicus</i>) and pygmy hippopotamus (<i>Hexaprotodon liberiensis</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 152, 504-512.	0.8	43

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19	Patriarchal Chimpanzees, Matriarchal Bonobos: Potential Ecological Causes of a Pan Dichotomy. , 2011, , 469-501.		42
20	Passage marker excretion in red kangaroo (<i>Macropus rufus</i>), collared peccary (<i>Pecari</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	1.2	41
21	The Influence of Seasonal Frugivory on Nutrient and Energy Intake in Wild Western Gorillas. PLoS ONE, 2015, 10, e0129254.	1.1	40
22	Energetic responses to variation in food availability in the two mountain gorilla populations (<i>Gorilla beringei beringei</i>). American Journal of Physical Anthropology, 2015, 158, 487-500.	2.1	39
23	Daily Energy Balance and Protein Gain Among Pan troglodytes verus in the Tañ National Park, CÃte d'Ivoire. International Journal of Primatology, 2009, 30, 481-496.	0.9	34
24	Do roe deer react to wildlife warning reflectors? A test combining a controlled experiment with field observations. European Journal of Wildlife Research, 2017, 63, 1.	0.7	34
25	Digesta retention patterns of solute and different-sized particles in camelids compared with ruminants and other foregut fermenters. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 559-573.	0.7	31
26	Efficiency of facultative frugivory in the nectar-feeding bat <i>Glossophaga commissarisi</i> : the quality of fruits as an alternative food source. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2008, 178, 985-996.	0.7	27
27	Demonstrating coprophagy with passage markers? The example of the plains viscacha (<i>Lagostomus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 70 2007, 147, 453-459.	0.8	26
28	Individual dietary specialization in a generalist predator: A stable isotope analysis of urban and rural red foxes. Ecology and Evolution, 2020, 10, 8855-8870.	0.8	25
29	Nutrition of captive lowland anoa (<i>Bubalus depressicornis</i>): a study on ingesta passage, intake, digestibility, and a diet survey. Zoo Biology, 2005, 24, 125-134.	0.5	24
30	Causes, mechanisms, and consequences of contest competition among female mountain gorillas in Rwanda. Behavioral Ecology, 2016, 27, 766-776.	1.0	23
31	Wild inside: Urban wild boar select natural, not anthropogenic food resources. PLoS ONE, 2017, 12, e0175127.	1.1	23
32	Digestive physiology of the plains viscacha (<i>Lagostomus maximus</i>): A large herbivorous hystricomorph rodent. Zoo Biology, 2015, 34, 345-359.	0.5	22
33	Energy metabolism of young rats after early postnatal overnutrition. British Journal of Nutrition, 2002, 88, 301-306.	1.2	21
34	Risk perception by endangered European bison <i>Bison bonasus</i> is context (condition) dependent. Landscape Ecology, 2015, 30, 2079-2093.	1.9	21
35	Comparative digesta retention patterns in ratites. Auk, 2015, 132, 119-131.	0.7	21
36	Transfer of total phenols from a grapeseed-supplemented diet to dairy sheep and goat milk, and effects on performance and milk quality1. Journal of Animal Science, 2019, 97, 1840-1851.	0.2	21

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37	Fluid and particle retention times in the black rhinoceros <i>Diceros bicornis</i> , a large hindgut-fermenting browser. <i>Acta Theriologica</i> , 2005, 50, 367-376.	1.1	20
38	No distinct difference in the excretion of large particles of varying size in a wild ruminant, the banteng (<i>Bos javanicus</i>). <i>European Journal of Wildlife Research</i> , 2009, 55, 531-533.	0.7	20
39	Function, size and form of the gastrointestinal tract of the collared Pecari <i>tajacu</i> (Linnaeus 1758) and white-lipped peccary <i>Tayassu pecari</i> (Link 1795). <i>European Journal of Wildlife Research</i> , 2010, 56, 569-576.	0.7	20
40	Salivary cues: simulated roe deer browsing induces systemic changes in phytohormones and defence chemistry in wild-grown maple and beech saplings. <i>Functional Ecology</i> , 2017, 31, 340-349.	1.7	20
41	No distinct stratification of ingesta particles and no distinct moisture gradient in the fore-stomach of non-ruminants: The wallaby, peccary, hippopotamus, and sloth. <i>Mammalian Biology</i> , 2013, 78, 412-421.	0.8	19
42	Solute and particle retention in the digestive tract of the Phillip's dikdik (<i>Madoqua saltiana phillipsi</i>), a very small browsing ruminant: Biological and methodological implications. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2011, 159, 284-290.	0.8	18
43	Digesta passage in nondomestic ruminants: Separation mechanisms in "moose-type" and "cattle-type" species, and seemingly atypical browsers. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 235, 180-192.	0.8	18
44	Variability in Population Density Is Paralleled by Large Differences in Foraging Efficiency in Chimpanzees (<i>Pan troglodytes</i>). <i>International Journal of Primatology</i> , 2015, 36, 1101-1119.	0.9	17
45	Social and ecological correlates of space use patterns in Bwindi mountain gorillas. <i>American Journal of Primatology</i> , 2018, 80, e22754.	0.8	16
46	Food choices of the mountain gorilla in Bwindi Impenetrable National Park, Uganda: the influence of nutrients, phenolics and availability. <i>Journal of Tropical Ecology</i> , 2009, 25, 123-134.	0.5	15
47	Methane emission, digestive characteristics and faecal archaeol in heifers fed diets based on silage from brown midrib maize as compared to conventional maize. <i>Archives of Animal Nutrition</i> , 2015, 69, 159-176.	0.9	15
48	The Novel Antiobesic HMR1426 Reduces Food Intake without Affecting Energy Expenditure in Rats. <i>Obesity</i> , 2004, 12, 1290-1297.	4.0	14
49	Fishing for iodine: what aquatic foraging by bonobos tells us about human evolution. <i>BMC Zoology</i> , 2019, 4, .	0.3	13
50	Fluid and particle passage in three duiker species. <i>European Journal of Wildlife Research</i> , 2011, 57, 143-148.	0.7	12
51	Retention marker excretion suggests incomplete digesta mixing across the order primates. <i>Physiology and Behavior</i> , 2019, 208, 112558.	1.0	12
52	Influence of ruminal methane on digesta retention and digestive physiology in non-lactating dairy cattle. <i>British Journal of Nutrition</i> , 2016, 116, 763-773.	1.2	11
53	Self-Selected Macronutrient Diet Affects Energy and Glucose Metabolism in Brown Fat-Ablated Mice. <i>Obesity</i> , 2003, 11, 1536-1544.	4.0	10
54	Effect of different feeding regimes on cecotrophy behavior and retention of solute and particle markers in the digestive tract of paca (<i>Cuniculus paca</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 226, 57-65.	0.8	10

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55	Spatiotemporal interactions of a novel mesocarnivore community in an urban environment before and during SARS-CoV-2 lockdown. <i>Journal of Animal Ecology</i> , 2022, 91, 367-380.	1.3	10
56	Digesta kinetics in two arvicoline rodents, the field vole (<i>Microtus agrestis</i>) and the steppe lemming (<i>Lagurus lagurus</i>). <i>Mammalian Biology</i> , 2018, 89, 71-78.	0.8	9
57	Comparative methane emission by ruminants: Differences in food intake and digesta retention level out methane production. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 188, 70-75.	0.8	8
58	Elevated activity in adult mountain gorillas is related to consumption of bamboo shoots. <i>Journal of Mammalogy</i> , 2016, 97, 1663-1670.	0.6	8
59	Digesta retention patterns in geese (<i>Anser anser</i>) and turkeys (<i>Meleagris gallopavo</i>) and deduced function of avian caeca. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 204, 219-227.	0.8	8
60	Urinary total T3 levels as a method to monitor metabolic changes in relation to variation in caloric intake in captive bonobos (<i>Pan paniscus</i>). <i>General and Comparative Endocrinology</i> , 2020, 285, 113290.	0.8	8
61	Digesta passage in common eland (<i>Taurotragus oryx</i>) on a monocot or a dicot diet. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 246, 110720.	0.8	8
62	Methane emission by adult ostriches (<i>Struthio camelus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 180, 1-5.	0.8	7
63	Methane production by two non-ruminant foregut-fermenting herbivores: The collared peccary (<i>Tajassou maculatus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 191, 107-114.	0.8	7
64	Importance of subterranean fungi in the diet of bonobos in Kokolopori. <i>American Journal of Primatology</i> , 2021, 83, e23308.	0.8	7
65	Evidence for a male-biased sex ratio in the offspring of a large herbivore: The role of environmental conditions in the sex ratio variation. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	7
66	Energy requirements and metabolism of the Phillip's dikdik (<i>Madoqua saltiana phillipsi</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 167, 45-51.	0.8	6
67	Digestive physiology of captive capybara (<i>Hydrochoerus hydrochaeris</i>). <i>Zoo Biology</i> , 2019, 38, 167-179.	0.5	6
68	Going to extremes for sodium acquisition: use of community land and high-altitude areas by mountain gorillas (<i>Gorilla beringei</i>) in Rwanda. <i>Biotropica</i> , 2018, 50, 826-834.	0.8	5
69	The effect of fructose supplementation on feed intake, nutrient digestibility and digesta retention time in Reeves's muntjac (<i>Muntiacus reevesi</i>). <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 1684-1693.	1.0	5
70	Reconstruction of evolutionary changes in fat and toxin consumption reveals associations with gene losses in mammals: A case study for the lipase inhibitor <i>PNLIPRP1</i> and the xenobiotic receptor <i>NR113</i> . <i>Journal of Evolutionary Biology</i> , 2022, 35, 225-239.	0.8	5
71	Individual differences in digesta retention and their relation to chewing in cattle: A pilot investigation. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2023, 107, 394-406.	1.0	5
72	Digestive anatomy, physiology, resting metabolism and methane production of captive maras (<i>Dolichotis patagonum</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 235, 82-89.	0.8	4

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73	No evidence for a "warning effect"™ of blue light in roe deer. <i>Wildlife Biology</i> , 2017, 2017, 1-5.	0.6	4
74	Advanced roe deer (<i>Capreolus capreolus</i>) parturition date in response to climate change. <i>Ecosphere</i> , 2021, 12, e03819.	1.0	4
75	All-You-Can-Eat: Influence of Proximity to Maize Gardens on the Wild Diet and the Forest Activities of the Sebitoli Chimpanzee Community in Kibale National Park. <i>Animals</i> , 2022, 12, 806.	1.0	4
76	Digesta retention time in roe deer <i>Capreolus capreolus</i> , as measured with cerium-, lanthanum- and chromium-mordanted fibre. <i>European Journal of Wildlife Research</i> , 2011, 57, 437-442.	0.7	3
77	Retention of solutes and particles in the gastrointestinal tract of a grazing cervid: Père David's deer (<i>Elaphurus davidianus</i>). <i>European Journal of Wildlife Research</i> , 2019, 65, 1.	0.7	2
78	Effects of dietary grapeseed extract on performance, energy and nitrogen balance as well as methane and nitrogen losses of lambs and goat kids. <i>British Journal of Nutrition</i> , 2021, 125, 26-37.	1.2	2
79	Western chimpanzees (<i>Pan troglodytes verus</i>) access a nutritionally balanced, high energy, and abundant food, baobab (<i>Adansonia digitata</i>) fruit, with extractive foraging and reingestion. <i>American Journal of Primatology</i> , 2021, 83, e23307.	0.8	2
80	Phenotyping in the era of genomics: MaTrics™ a digital character matrix to document mammalian phenotypic traits. <i>Mammalian Biology</i> , 2022, 102, 235-249.	0.8	2
81	Seed traits matter™ Endozoochoric dispersal through a pervasive mobile linker. <i>Ecology and Evolution</i> , 2021, 11, 18477-18491.	0.8	2
82	Energy Requirements of Hibernating Alpine Marmots. , 2019, , 175-183.		1
83	Fluid and particle retention in the greater kudu (<i>Tragelaphus strepsiceros</i>). <i>Journal of Animal and Feed Sciences</i> , 2022, 31, 34-39.	0.4	1