Sylvia Ortmann

List of Publications by Year
in descending order

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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	Individual differences in digesta retention and their relation to chewing in cattleâ€"A pilot investigation. Journal of Animal Physiology and Animal Nutrition, 2023, 107, 394-406.	1.0	5
2	Spatiotemporal interactions of a novel mesocarnivore community in an urban environment before and during SARSâ€CoVâ€2 lockdown. Journal of Animal Ecology, 2022, 91, 367-380.	1.3	10
3	Reconstruction of evolutionary changes in fat and toxin consumption reveals associations with gene losses in mammals: A case study for the lipase inhibitor PNLIPRP1 and the xenobiotic receptor NR1I3. Journal of Evolutionary Biology, 2022, 35, 225-239.	0.8	5
4	Phenotyping in the era of genomics: MaTricsâ€"a digital character matrix to document mammalian phenotypic traits. Mammalian Biology, 2022, 102, 235-249.	0.8	2
5	Fluid and particle retention in the greater kudu (<i>Tragelaphus strepsiceros</i>). Journal of Animal and Feed Sciences, 2022, 31, 34-39.	0.4	1
6	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. Animals, 2022, 12, 806.	1.0	4
7	Evidence for a maleâ€biased sex ratio in the offspring of a large herbivore: The role of environmental conditions in the sex ratio variation. Ecology and Evolution, 2022, 12, .	0.8	7
8	Effects of dietary grapeseed extract on performance, energy and nitrogen balance as well as methane and nitrogen losses of lambs and goat kids. British Journal of Nutrition, 2021, 125, 26-37.	1.2	2
9	Western chimpanzees (Pan troglodytes verus) access a nutritionally balanced, high energy, and abundant food, baobab (Adansonia digitata) fruit, with extractive foraging and reingestion. American Journal of Primatology, 2021, 83, e23307.	0.8	2
10	Importance of subterranean fungi in the diet of bonobos in Kokolopori. American Journal of Primatology, 2021, 83, e23308.	0.8	7
11	Advanced roe deer (Capreolus capreolus) parturition date in response to climate change. Ecosphere, 2021, 12, e03819.	1.0	4
12	Seed traits matterâ€"Endozoochoric dispersal through a pervasive mobile linker. Ecology and Evolution, 2021, 11, 18477-18491.	0.8	2
13	Urinary total T3 levels as a method to monitor metabolic changes in relation to variation in caloric intake in captive bonobos (Pan paniscus). General and Comparative Endocrinology, 2020, 285, 113290.	0.8	8
14	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
15	Digesta passage in common eland (Taurotragus oryx) on a monocot or a dicot diet. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 246, 110720.	0.8	8
16	The effect of fructose supplementation on feed intake, nutrient digestibility and digesta retention time in Reevesâ€™s muntjac (Muntiacus reevesi). Journal of Animal Physiology and Animal Nutrition, 2019, 103, 1684-1693.	1.0	5
17	Fishing for iodine: what aquatic foraging by bonobos tells us about human evolution. BMC Zoology, 2019, 4, .	0.3	13
18	Digesta passage in nondomestic ruminants: Separation mechanisms in â€˜moose-typeâ€™ and â€˜cattle-typeâ€™ species, and seemingly atypical browsers. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 235, 180-192.	0.8	18

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19	Retention marker excretion suggests incomplete digesta mixing across the order primates. Physiology and Behavior, 2019, 208, 112558.	1.0	12
20	Digestive anatomy, physiology, resting metabolism and methane production of captive maras (Dolichotis patagonum). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 235, 82-89.	0.8	4
21	Retention of solutes and particles in the gastrointestinal tract of a grazing cervid: PÃ¨re Davidâ€™s deer (Elaphurus davidianus). European Journal of Wildlife Research, 2019, 65, 1.	0.7	2
22	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
23	Digestive physiology of captive capybara (Hydrochoerus hydrochaeris). Zoo Biology, 2019, 38, 167-179.	0.5	6
24	Energy Requirements of Hibernating Alpine Marmots. , 2019, , 175-183.		1
25	Social and ecological correlates of space use patterns in Bwindi mountain gorillas. American Journal of Primatology, 2018, 80, e22754.	0.8	16
26	Digesta kinetics in two arvicoline rodents, the field vole (Microtus agrestis) and the steppe lemming (Lagurus lagurus). Mammalian Biology, 2018, 89, 71-78.	0.8	9
27	Going to extremes for sodium acquisition: use of community land and highâ€altitude areas by mountain gorillas Gorilla beringei in Rwanda. Biotropica, 2018, 50, 826-834.	0.8	5
28	Effect of different feeding regimes on cecotrophy behavior and retention of solute and particle markers in the digestive tract of paca (Cuniculus paca). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2018, 226, 57-65.	0.8	10
29	Digesta retention patterns in geese (Anser anser) and turkeys (Meleagris gallopavo) and deduced function of avian caeca. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 204, 219-227.	0.8	8
30	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
31	Do cities represent sources, sinks or isolated islands for urban wild boar population structure?. Journal of Applied Ecology, 2017, 54, 272-281.	1.9	77
32	Salivary cues: simulated roe deer browsing induces systemic changes in phytohormones and defence chemistry in wildâ€grown maple and beech saplings. Functional Ecology, 2017, 31, 340-349.	1.7	20
33	Secrets of Success in a Landscape of Fear: Urban Wild Boar Adjust Risk Perception and Tolerate Disturbance. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	70
34	Wild inside: Urban wild boar select natural, not anthropogenic food resources. PLoS ONE, 2017, 12, e0175127.	1.1	23
35	No evidence for a â€˜warning effectâ€™ of blue light in roe deer. Wildlife Biology, 2017, 2017, 1-5.	0.6	4
36	Influence of ruminal methane on digesta retention and digestive physiology in non-lactating dairy cattle. British Journal of Nutrition, 2016, 116, 763-773.	1.2	11

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37	Elevated activity in adult mountain gorillas is related to consumption of bamboo shoots. Journal of Mammalogy, 2016, 97, 1663-1670.	0.6	8
38	Methane production by two non-ruminant foregut-fermenting herbivores: The collared peccary () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Physiology Part A, Molecular & Integrative Physiology, 2016, 191, 107-114.	0.8	7
39	Causes, mechanisms, and consequences of contest competition among female mountain gorillas in Rwanda. Behavioral Ecology, 2016, 27, 766-776.	1.0	23
40	Risk perception by endangered European bison Bison bonasus is context (condition) dependent. Landscape Ecology, 2015, 30, 2079-2093.	1.9	21
41	Energetic responses to variation in food availability in the two mountain gorilla populations (Gorilla beringei beringei). American Journal of Physical Anthropology, 2015, 158, 487-500.	2.1	39
42	The Influence of Seasonal Frugivory on Nutrient and Energy Intake in Wild Western Gorillas. PLoS ONE, 2015, 10, e0129254.	1.1	40
43	Comparative digesta retention patterns in ratites. Auk, 2015, 132, 119-131.	0.7	21
44	Methane emission, digestive characteristics and faecal archaeol in heifers fed diets based on silage from brown midrib maize as compared to conventional maize. Archives of Animal Nutrition, 2015, 69, 159-176.	0.9	15
45	Excretion patterns of solute and different-sized particle passage markers in foregut-fermenting proboscis monkey (Nasalis larvatus) do not indicate an adaptation for rumination. Physiology and Behavior, 2015, 149, 45-52.	1.0	83
46	Comparative methane emission by ratites: Differences in food intake and digesta retention level out methane production. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 188, 70-75.	0.8	8
47	Digestive physiology of the plains viscacha (Lagostomus maximus): A large herbivorous hystricomorph rodent. Zoo Biology, 2015, 34, 345-359.	0.5	22
48	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
49	Variability in Population Density Is Paralleled by Large Differences in Foraging Efficiency in Chimpanzees (Pan troglodytes). International Journal of Primatology, 2015, 36, 1101-1119.	0.9	17
50	Methane emission by adult ostriches (Struthio camelus). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 180, 1-5.	0.8	7
51	Energy requirements and metabolism of the Phillip's dikdik (Madoqua saltiana phillipsi). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 167, 45-51.	0.8	6
52	No distinct stratification of ingesta particles and no distinct moisture gradient in the fore-stomach of non-ruminants: The wallaby, peccary, hippopotamus, and sloth. Mammalian Biology, 2013, 78, 412-421.	0.8	19
53	Behavioural Responses of <scp>E</scp>uropean Roe Deer to Temporal Variation in Predation Risk. Ethology, 2013, 119, 233-243.	0.5	44
54	Identification of energy consumption and nutritional stress by isotopic and elemental analysis of urine in bonobos (Pan paniscus). Rapid Communications in Mass Spectrometry, 2012, 26, 69-77.	0.7	54

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55	Fluid and particle passage in three duiker species. European Journal of Wildlife Research, 2011, 57, 143-148.	0.7	12
56	Solute and particle retention in the digestive tract of the Phillip's dikdik (Madoqua saltiana phillipsi), a very small browsing ruminant: Biological and methodological implications. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2011, 159, 284-290.	0.8	18
57	Digesta retention time in roe deer Capreolus capreolus, as measured with cerium-, lanthanum- and chromium-mordanted fibre. European Journal of Wildlife Research, 2011, 57, 437-442.	0.7	3
58	Patriarchal Chimpanzees, Matriarchal Bonobos: Potential Ecological Causes of a Pan Dichotomy. , 2011, , 469-501.		42
59	Plant foods consumed by Pan: Exploring the variation of nutritional ecology across Africa. American Journal of Physical Anthropology, 2010, 141, 476-485.	2.1	50
60	Function, size and form of the gastrointestinal tract of the collared Pecari tajacu (Linnaeus 1758) and white-lipped peccary Tayassu pecari (Link 1795). European Journal of Wildlife Research, 2010, 56, 569-576.	0.7	20
61	Food choices of the mountain gorilla in Bwindi Impenetrable National Park, Uganda: the influence of nutrients, phenolics and availability. Journal of Tropical Ecology, 2009, 25, 123-134.	0.5	15
62	More efficient mastication allows increasing intake without compromising digestibility or necessitating a larger gut: Comparative feeding trials in banteng (Bos javanicus) and pygmy hippopotamus (Hexaprotodon liberiensis). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 152, 504-512.	0.8	43
63	Passage marker excretion in red kangaroo (Macropus rufus), collared peccary (Pecari) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	41
64	No distinct difference in the excretion of large particles of varying size in a wild ruminant, the banteng (Bos javanicus). European Journal of Wildlife Research, 2009, 55, 531-533.	0.7	20
65	Daily Energy Balance and Protein Gain Among Pan troglodytes verus in the TaÃ¯ National Park, CÃ´te dâ€™Ivoire. International Journal of Primatology, 2009, 30, 481-496.	0.9	34
66	Efficiency of facultative frugivory in the nectar-feeding bat Glossophaga commissarisi: 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
67	Food preferences of wild mountain gorillas. American Journal of Primatology, 2008, 70, 927-938.	0.8	99
68	Excretion patterns of fluid and different sized particle passage markers in banteng (Bos javanicus) and pygmy hippopotamus (Hexaprotodon liberiensis): Two functionally different foregut fermenters. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 150, 32-39.	0.8	51
69	The influence of natural diet composition, food intake level, and body size on ingesta passage in primates. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 150, 274-281.	0.8	51
70	The relationship of food intake and ingesta passage predicts feeding ecology in two different megaherbivore groups. Oikos, 2007, 116, 209-216.	1.2	86
71	Demonstrating coprophagy with passage markers? The example of the plains viscacha (Lagostomus) Tj ETQq1 1 0.784314 rgBT /Over 2007, 147, 453-459.	0.8	26
72	A case of non-scaling in mammalian physiology? Body size, digestive capacity, food intake, and ingesta passage in mammalian herbivores. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, 249-265.	0.8	148

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73	Hyperphagia, lower body temperature, and reduced running wheel activity precede development of morbid obesity in New Zealand obese mice. Physiological Genomics, 2006, 25, 234-241.	1.0	80
74	Fluid and particle retention times in the black rhinocerosDiceros bicornis, a large hindgut-fermenting browser. Acta Theriologica, 2005, 50, 367-376.	1.1	20
75	Nutrition of captive lowland anoa (Bubalus depressicornis): a study on ingesta passage, intake, digestibility, and a diet survey. Zoo Biology, 2005, 24, 125-134.	0.5	24
76	Central Administration of Ghrelin and Agouti-Related Protein (83â€“132) Increases Food Intake and Decreases Spontaneous Locomotor Activity in Rats. Endocrinology, 2004, 145, 4645-4652.	1.4	199
77	The Novel Antiobesic HMR1426 Reduces Food Intake without Affecting Energy Expenditure in Rats. Obesity, 2004, 12, 1290-1297.	4.0	14
78	Natural hypometabolism during hibernation and daily torpor in mammals. Respiratory Physiology and Neurobiology, 2004, 141, 317-329.	0.7	467
79	Selfâ€Selected Macronutrient Diet Affects Energy and Glucose Metabolism in Brown Fatâ€Ablated Mice. Obesity, 2003, 11, 1536-1544.	4.0	10
80	Energy metabolism of young rats after early postnatal overnutrition. British Journal of Nutrition, 2002, 88, 301-306.	1.2	21
81	Prenatal High Protein Exposure Decreases Energy Expenditure and Increases Adiposity in Young Rats. Journal of Nutrition, 2002, 132, 142-144.	1.3	105
82	Regulation of body temperature and energy requirements of hibernating Alpine marmots (<i>Marmota) Tj ETQq0 0 0 rgBT /Overlock 10 2000, 278, R698-R704.	0.9	104
83	Ambient temperatures in hibernacula and their energetic consequences for alpine marmots Marmota marmota. Journal of Thermal Biology, 1991, 16, 223-226.	1.1	75