

# E S Dierenfeld

## List of Publications by Year in descending order

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94  
papers

3,186  
citations

201674

27  
h-index

168389

53  
g-index

94  
all docs

94  
docs citations

94  
times ranked

2446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutrient composition of selected whole invertebrates. <i>Zoo Biology</i> , 1998, 17, 123-134.	1.2	256
2	Utilization of Bamboo by the Giant Panda. <i>Journal of Nutrition</i> , 1982, 112, 636-641.	2.9	210
3	Nutritional quality of gorilla diets: consequences of age, sex, and season. <i>Oecologia</i> , 2008, 155, 111-122.	2.0	195
4	What's so special about figs?. <i>Nature</i> , 1998, 392, 668-668.	27.8	128
5	Title is missing!. <i>Journal of Chemical Ecology</i> , 1999, 25, 2601-2622.	1.8	113
6	Title is missing!. <i>International Journal of Primatology</i> , 2001, 22, 807-836.	1.9	110
7	Influence of Plant and Soil Chemistry on Food Selection, Ranging Patterns, and Biomass of <i>Colobus guereza</i> in Kakamega Forest, Kenya. <i>International Journal of Primatology</i> , 2007, 28, 673-703.	1.9	101
8	Nutritional composition of the diet of the gorilla ( <i>Gorilla beringei</i> ): a comparison between two montane habitats. <i>Journal of Tropical Ecology</i> , 2007, 23, 673-682.	1.1	93
9	An Investigation Into the Chemical Composition of Alternative Invertebrate Prey. <i>Zoo Biology</i> , 2012, 31, 40-54.	1.2	93
10	The Western Lowland Gorilla Diet Has Implications for the Health of Humans and Other Hominoids. <i>Journal of Nutrition</i> , 1997, 127, 2000-2005.	2.9	86
11	Dietary Intake, Food Composition and Nutrient Intake in Wild and Captive Populations of <i>Daubentonia madagascariensis</i> . <i>Folia Primatologica</i> , 1994, 62, 115-124.	0.7	85
12	The seasonal feeding ecology of the javan slow loris ( <i>Nycticebus javanicus</i> ). <i>American Journal of Physical Anthropology</i> , 2017, 162, 768-781.	2.1	74
13	The Relationship Between Lipid Peroxidation, Hibernation, and Food Selection in Mammals. <i>American Zoologist</i> , 1998, 38, 341-349.	0.7	68
14	Immobilization and health assessment of free-ranging black spider monkeys ( <i>Ateles paniscus chamek</i> ). <i>American Journal of Primatology</i> , 1998, 44, 107-123.	1.7	67
15	History and dietary husbandry of pangolins in captivity. <i>Zoo Biology</i> , 2007, 26, 223-230.	1.2	61
16	Digesta Passage, Digestibility and Behavior in Captive Gorillas Under Two Dietary Regimens. <i>International Journal of Primatology</i> , 2004, 25, 825-845.	1.9	60
17	Mineral and phytochemical influences on foliage selection by the proboscis monkey ( <i>Nasalis</i> ). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	1.7	57
18	Tannin-binding salivary proteins in three captive rhinoceros species. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2005, 140, 67-72.	1.8	55

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19	Determination of Chemical Composition and Ant-nutritive Components for Tanzanian Locally Available Poultry Feed Ingredients. <i>International Journal of Poultry Science</i> , 2011, 10, 350-357.	0.1	48
20	Nutrition and health in amphibian husbandry. <i>Zoo Biology</i> , 2014, 33, 485-501.	1.2	47
21	The Nutrition of "Browsers", 2008, , 444-454.		45
22	Digestibility and Mineral Availability of Phoenix Worms, <i>Hermetia illucens</i> , Ingested by Mountain Chicken Frogs, <i>Leptodactylus fallax</i> . <i>Journal of Herpetological Medicine and Surgery</i> , 2008, 18, 100-105.	0.4	43
23	Mineral concentrations in serum/plasma and liver tissue of captive and free-ranging Rhinoceros species. <i>Zoo Biology</i> , 2005, 24, 51-72.	1.2	42
24	Feed intake, digestion and passage of the proboscis monkey ( <i>Nasalis larvatus</i> ) in captivity. <i>Primates</i> , 1992, 33, 399-405.	1.1	41
25	Protein Requirements of a Specialized Frugivore, Pesquet's Parrot ( <i>Psittichas fulgidus</i> ). <i>Auk</i> , 2001, 118, 1080-1088.	1.4	37
26	HEALTH ASSESSMENT OF FREE-RANGING ALLIGATOR SNAPPING TURTLES ( <i>MACROCHELYS TEMMINCKII</i> ) IN GEORGIA AND FLORIDA. <i>Journal of Wildlife Diseases</i> , 2008, 44, 670-686.	0.8	37
27	Captive wild animal nutrition: a historical perspective. <i>Proceedings of the Nutrition Society</i> , 1997, 56, 989-999.	1.0	34
28	Nutrient composition of selected plant species consumed by semi free-ranging lion-tailed macaques ( <i>Macaca silenus</i> ) and ring-tailed lemurs ( <i>Lemur catta</i> ) on St. Catherines Island, Georgia, U.S.A.. <i>Zoo Biology</i> , 1999, 18, 481-494.	1.2	34
29	Aspects of digestive anatomy, feed intake and digestion in the Chinese pangolin ( <i>Manis</i> ) <i>Tj ETQq1 1 0.784314 rBT /Overlock 10 T</i>	1.2	31
30	Comparison of diets fed to southeast Asian colobines in North American and European zoos, with emphasis on temperate browse composition. <i>Zoo Biology</i> , 1996, 15, 499-507.	1.2	29
31	Vitamins E and A, and proximate composition of whole mice and rats used as feed. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1994, 107, 419-424.	0.6	27
32	Effects of diet on nutritional content of whole vertebrate prey. <i>Zoo Biology</i> , 1996, 15, 525-537.	1.2	27
33	Small ruminants: Digestive capacity differences among four species weighing less than 20 kg. <i>Zoo Biology</i> , 1996, 15, 481-490.	1.2	26
34	Digestion coefficients achieved by the black rhinoceros ( <i>Diceros bicornis</i> ), a large browsing hindgut fermenter. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2006, 90, 325-334.	2.2	26
35	African savanna elephants ( <i>Loxodonta africana</i> ) as an example of a herbivore making movement choices based on nutritional needs. <i>PeerJ</i> , 2019, 7, e6260.	2.0	26
36	Retinol and $\alpha$ -tocopherol concentrations in whole fish commonly fed in zoos and aquariums. <i>Zoo Biology</i> , 1991, 10, 119-125.	1.2	25

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37	Nutrition of Captive Cheetahs: Food Composition and Blood Parameters. <i>Zoo Biology</i> , 1993, 12, 143-150.	1.2	25
38	Carotenoids, vitamin A, and vitamin E concentrations during egg development in panther chameleons ( <i>Furcifer pardalis</i> ). <i>Zoo Biology</i> , 2002, 21, 295-303.	1.2	25
39	Hemosiderosis and Dietary Iron in Birds. <i>Journal of Nutrition</i> , 1994, 124, 2685S-2686S.	2.9	23
40	Taurine and zoo felids: considerations of dietary and biological tissue concentrations. <i>Zoo Biology</i> , 2007, 26, 517-531.	1.2	23
41	Effect of dietary carotenoids on vitamin A status and skin pigmentation in false tomato frogs ( <i>Dyscophus guineti</i> ). <i>Zoo Biology</i> , 2014, 33, 544-552.	1.2	23
42	Circulating levels of vitamin E in captive Asian elephants ( <i>Elephas maximus</i> ). <i>Zoo Biology</i> , 1988, 7, 165-172.	1.2	21
43	Vitamin E in Captive and Wild Black Rhinoceros ( <i>Diceros bicornis</i> ). <i>Journal of Wildlife Diseases</i> , 1988, 24, 547-550.	0.8	21
44	Feed intake, diet utilization, and composition of browses consumed by the Sumatran rhino ( <i>Dicerorhinus sumatrensis</i> ) in a North American zoo. <i>Zoo Biology</i> , 2000, 19, 169-180.	1.2	21
45	Role of excessive maternal iron in the pathogenesis of congenital leukoencephalomalacia in captive black rhinoceroses ( <i>Diceros bicornis</i> ). <i>American Journal of Veterinary Research</i> , 2001, 62, 343-349.	0.6	21
46	Giant panda diets fed in five Chinese facilities: An assessment. <i>Zoo Biology</i> , 1995, 14, 211-222.	1.2	20
47	Feeding Behavior and Nutrition of the Sugar Glider ( <i>Petaurus breviceps</i> ). <i>Veterinary Clinics of North America - Exotic Animal Practice</i> , 2009, 12, 209-215.	0.7	20
48	Distribution of $\hat{\alpha}$ -tocopherol in early foliage samples in several forage crops. <i>Phytochemistry</i> , 1993, 34, 389-390.	2.9	17
49	PLASMA FAT-SOLUBLE VITAMIN AND MINERAL CONCENTRATIONS IN RELATION TO DIET IN CAPTIVE PTEROPODID BATS. <i>Journal of Zoo and Wildlife Medicine</i> , 2000, 31, 315-321.	0.6	17
50	Comparison of Commonly Used Diets on Intake, Digestion, Growth, and Health in Captive Sugar Gliders ( <i>Petaurus breviceps</i> ). <i>Journal of Exotic Pet Medicine</i> , 2006, 15, 218-224.	0.4	17
51	An ecological basis for large group size in <i>Colobus angolensis</i> in the Nyungwe Forest, Rwanda. <i>African Journal of Ecology</i> , 2001, 39, 83-92.	0.9	17
52	Plasma alpha-tocopherol, retinol, cholesterol, and mineral concentrations in captive gorillas. <i>Journal of Medical Primatology</i> , 1989, 18, 155-61.	0.6	17
53	Age dependent $\hat{\alpha}$ -tocopherol concentrations in leaves of soybean and pinto beans. <i>Phytochemistry</i> , 1992, 31, 3349-3351.	2.9	16
54	Vitamin E in Exotics: Effects, Evaluation and Ecology. <i>Journal of Nutrition</i> , 1994, 124, 2579S-2581S.	2.9	16

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55	Feeding Behavior and Nutrition of the African Pygmy Hedgehog ( <i>Atelerix albiventris</i> ). <i>Veterinary Clinics of North America - Exotic Animal Practice</i> , 2009, 12, 335-337.	0.7	16
56	HEALTH ASSESSMENT OF AMERICAN OYSTERCATCHERS ( <i>HAEMATOPUS PALLIATUS PALLIATUS</i> ) IN GEORGIA AND SOUTH CAROLINA. <i>Journal of Wildlife Diseases</i> , 2010, 46, 772-780.	0.8	16
57	Fiber Digestion in the African White-Bellied Hedgehog ( <i>Atelerix albiventris</i> ): A Preliminary Evaluation. <i>Journal of Nutrition</i> , 1998, 128, 2671S-2673S.	2.9	15
58	FAT SOLUBLE VITAMINS IN BLOOD AND TISSUES OF FREE-RANGING AND CAPTIVE RHINOCEROS. <i>Journal of Wildlife Diseases</i> , 2002, 38, 402-413.	0.8	15
59	Research Article: Tannin/Polyphenol effects on iron solubilization in vitro. <i>Bios</i> , 2004, 75, 43-52.	0.0	15
60	ESSENTIAL FATTY ACID PROFILES DIFFER ACROSS DIETS AND BROWSE OF BLACK RHINOCEROS. <i>Journal of Wildlife Diseases</i> , 2002, 38, 132-142.	0.8	14
61	Whole-body nutrient composition of various ages of captive-bred bearded dragons ( <i>Pogona vitticeps</i> ) and adult wild anoles ( <i>Anolis carolinensis</i> ). <i>Zoo Biology</i> , 2002, 21, 489-497.	1.2	13
62	Diet selection is related to breeding status in two frugivorous hornbill species of Central Africa. <i>Journal of Tropical Ecology</i> , 2014, 30, 273-290.	1.1	13
63	Calcium and phosphorus supplementation decreases growth, but does not induce pyramiding, in young red-eared sliders, <i>Trachemys scripta elegans</i> . <i>Zoo Biology</i> , 1998, 17, 17-24.	1.2	11
64	Susceptibility of yak ( <i>Bos grunniens</i> ) to copper deficiency. <i>Veterinary Record</i> , 1999, 145, 436-437.	0.3	11
65	Duikers: Native food composition, micronutrient assessment, and implications for improving captive diets. <i>Zoo Biology</i> , 2002, 21, 185-196.	1.2	11
66	Intake, utilization, and composition of browses consumed by the Sumatran rhinoceros ( <i>Dicerorhinus</i> ) Tj ETQq0 0 0 JgBT /Overlock 10 Tf	1.2	11
67	Analysis of nutrient concentrations in the diet, serum, and urine of giraffe from surveyed North American zoological institutions. <i>Zoo Biology</i> , 2010, 29, 457-469.	1.2	11
68	IOD IN RHINOSâ€”NUTRITION GROUP REPORT: REPORT FROM THE NUTRITION WORKING GROUP OF THE INTERNATIONAL WORKSHOP ON IRON OVERLOAD DISORDER IN BROWSING RHINOCEROS (FEBRUARY 2011). <i>Journal of Zoo and Wildlife Medicine</i> , 2012, 43, S108-S113.	0.6	11
69	Predicted metabolizable energy density and amino acid profile of the crop contents of free-living scarlet macaw chicks ( <i>Ara macao</i> ). <i>Journal of Animal Physiology and Animal Nutrition</i> , 2012, 96, 947-954.	2.2	11
70	Asian elephant ( <i>Elephas maximus</i> ) milk composition during the first 280 days of lactation. <i>Zoo Biology</i> , 1994, 13, 389-393.	1.2	10
71	Determining nitrogen requirements of <i>Aceros</i> and <i>Buceros</i> hornbills. <i>Zoo Biology</i> , 2008, 27, 282-293.	1.2	10
72	Trialling nutrient recommendations for slow lorises ( <i>Nycticebus</i> spp.) based on wild feeding ecology. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, e1-e10.	2.2	10

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73	Nutritional and physical characteristics of commercial hand-feeding formulas for parrots. Zoo Biology, 2013, 32, 469-475.	1.2	8
74	Mineral concentrations in whole mice and rats used as food. Zoo Biology, 1996, 15, 83-88.	1.2	6
75	Effect of increasing taurine and methionine supplementation on urinary taurine excretion in a model insectivore, the giant anteater ( <i>Myrmecophaga tridactyla</i> ). Journal of Animal Physiology and Animal Nutrition, 2018, 102, e316-e325.	2.2	5
76	Milk Composition of Asian Elephants ( <i>Elephas maximus</i> ) in a Natural Environment in Myanmar during Late Lactation. Animals, 2020, 10, 725.	2.3	5
77	Protein Requirements of a Specialized Frugivore, Pesquet's Parrot ( <i>Psitttrichas fulgidus</i> ). Auk, 2001, 118, 1080-1088.	1.4	5
78	Plasma alpha-tocopherol, beta-carotene, and lipid levels in semi-free-ranging Przewalski horses ( <i>Equus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.6	5
79	Proximate, vitamins A and E, and mineral composition of free-ranging cotton mice ( <i>Peromyscus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.2	4
80	Intake and digestion of horned guan ( <i>Oreophasis derbianus</i> ) diets measured in three Mexican zoos. Zoo Biology, 2009, 28, 319-330.	1.2	4
81	Evaluation of three popular diets fed to pet sugar gliders ( <i>Petaurus breviceps</i> ): Intake, digestion and nutrient balance. Journal of Animal Physiology and Animal Nutrition, 2018, 102, e193-e208.	2.2	4
82	Fatty acid profiles of crop contents of free-living psittacine nestlings and of commercial hand-feeding formulas. Journal of Animal Physiology and Animal Nutrition, 2021, 105, 394-405.	2.2	4
83	Composition of browses consumed by Matschie's tree kangaroo ( <i>Dendrolagus matschiei</i> ) sampled from home ranges in Papua New Guinea. Zoo Biology, 2020, 39, 271-275.	1.2	3
84	Feed intake and dietary composition of iron (Fe), copper (Cu), vitamin E, and tannic acid of five captive black rhinoceros ( <i>Diceros bicornis</i> ) in a UK collection. Zoo Biology, 2021, 40, 52-58.	1.2	3
85	Canthaxanthin pigment does not maintain color in carmine bee-eaters. Zoo Biology, 1996, 15, 183-185.	1.2	2
86	DIETARY VITAMIN D3 INFLUENCE ON SERUM 25-HYDROXY VITAMIN D CONCENTRATIONS IN CAPTIVE SUGAR GLIDERS ( <i>PETAURUS BREVICEPS</i> ). Journal of Exotic Pet Medicine, 2018, 27, 48-52.	0.4	2
87	Balancing the scales: Preliminary investigation of total energy expenditure and daily metabolizable energy intake in Matschie's tree kangaroo ( <i>Dendrolagus matschiei</i> ). PLoS ONE, 2022, 17, e0270570.	2.5	2
88	Biology and Health of Tree Kangaroos in Zoos. , 2021, , 285-307.		1
89	A Simple, Practical Method for Measurement of Fat in Milk, Applied to Mid- to Late-Lactating Working Elephants in Myanmar. Novel Techniques in Nutrition & Food Science, 2018, 2, .	0.1	1
90	Nutrition of free-living Neotropical psittacine nestlings and implications for hand-feeding formulas. Journal of Animal Physiology and Animal Nutrition, 2022, 106, 1174-1188.	2.2	1

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91	Circulating nutrient concentrations in free-ranging Humboldt penguins ( <i>Spheniscus humboldti</i> ) in Punta San Juan, Peru. <i>Zoo Biology</i> , 2020, 39, 246-256.	1.2	0
92	Prairie Dogs as Ferret Food: Ecology, Physiology and Seasonality as Critical Factors Impacting Nutrient Profiles. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01829.	0.2	0
93	Environmental and prey-based factors underpinning variability in prairie dogs eaten by black-footed ferrets. <i>Ecosphere</i> , 2021, 12, e03316.	2.2	0
94	Nutrient Composition of Locally Available Browsers Consumed by Matschie's Tree Kangaroos ( <i>Dendrolagus matchiei</i> ) in Six North American Zoological Facilities. <i>Journal of Agriculture and Ecology Research International</i> , 0, , 10-17.	0.1	0