

William H Karasov

List of Publications by Year in descending order

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192
papers

7,454
citations

57758

44
h-index

82547

72
g-index

196
all docs

196
docs citations

196
times ranked

5435
citing authors

#	ARTICLE	IF	CITATIONS
1	Larval Exposure to Polychlorinated Biphenyls Led to a Long-Lasting Decrease in Immune Function in Postmetamorphic Juvenile Northern Leopard Frogs, <i>Lithobates pipiens</i> . <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 81-94.	4.3	2
2	Effects of subchronic exposure to environmentally relevant concentrations of a commercial fluridone formulation on fathead minnows (<i>Pimephales promelas</i>). <i>Aquatic Toxicology</i> , 2022, 244, 106098.	4.0	5
3	Macronutrient Signals for Adaptive Modulation of Intestinal Digestive Enzymes in Two Omnivorous Galliforms. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
4	Impacts of subchronic exposure to a commercial 2,4-D herbicide on developmental stages of multiple freshwater fish species. <i>Chemosphere</i> , 2021, 263, 127638.	8.2	14
5	Adaptation of intestinal epithelial hydrolysis and absorption of dietary carbohydrate and protein in mammals and birds. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 253, 110860.	1.8	16
6	Dietary adaptation to high starch involves increased relative abundance of sucrase-isomaltase and its mRNA in nestling house sparrows. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R195-R202.	1.8	2
7	Warmer temperature increases toxicokinetic elimination of PCBs and PBDEs in Northern leopard frog larvae (<i>Lithobates pipiens</i>). <i>Aquatic Toxicology</i> , 2021, 234, 105806.	4.0	5
8	Subchronic impacts of 2,4-D herbicide Weedestroy®AM40 on associative learning in juvenile yellow perch (<i>Perca flavescens</i>). <i>Aquatic Toxicology</i> , 2021, 237, 105909.	4.0	4
9	The Effects of Dietary Polybrominated Diphenyl Ether Exposure and Rearing Temperature on Tadpole Growth, Development, and Their Underlying Processes. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 3181-3192.	4.3	2
10	Who pays the bill? The effects of altered brood size on parental and nestling physiology. <i>Journal of Ornithology</i> , 2020, 161, 275-288.	1.1	3
11	Rapid and parallel changes in activity and mRNA of intestinal peptidase to match altered dietary protein level in juvenile house sparrows (<i>Passer domesticus</i>). <i>Journal of Experimental Biology</i> , 2020, 224, .	1.7	1
12	Seasonal variation in body composition in an Afrotropical passerine bird: increases in pectoral muscle mass are, unexpectedly, associated with lower thermogenic capacity. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 371-380.	1.5	8
13	A Fast and Accurate Method to Identify and Quantify Enzymes in Brush-Border Membranes: In Situ Hydrolysis Followed by Nano LC-MS/MS. <i>Methods and Protocols</i> , 2020, 3, 15.	2.0	8
14	Duplications and Functional Convergence of Intestinal Carbohydrate-Digesting Enzymes. <i>Molecular Biology and Evolution</i> , 2020, 37, 1657-1666.	8.9	11
15	Age-related changes in the gut microbiota of wild House Sparrow nestlings. <i>Ibis</i> , 2019, 161, 184-191.	1.9	39
16	Morphological bases for intestinal paracellular absorption in bats and rodents. <i>Journal of Morphology</i> , 2019, 280, 1359-1369.	1.2	5
17	Effects of Low, Subchronic Exposure of 2,4-Dichlorophenoxyacetic Acid (2,4-D) and Commercial 2,4-D Formulations on Early Life Stages of Fathead Minnows (<i>Pimephales promelas</i>). <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1382-1385.	4.3	6
18	Diet composition modulates intestinal hydrolytic enzymes in white-footed mice (<i>Peromyscus</i>)	1.3	6

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19	2,4-Dichlorophenoxyacetic acid containing herbicide impairs essential visually guided behaviors of larval fish. <i>Aquatic Toxicology</i> , 2019, 209, 1-12.	4.0	41
20	Physiological and Immune Responses of Free-Living Temperate Birds Provided a Gradient of Food Supplementation. <i>Physiological and Biochemical Zoology</i> , 2019, 92, 106-114.	1.5	8
21	Non-invasive measurement of metabolic rates in wild, free-living birds using doubly labelled water. <i>Functional Ecology</i> , 2019, 33, 162-174.	3.6	14
22	Does habitat fragmentation promote climate-resilient phenotypes?. <i>Oikos</i> , 2018, 127, 1069-1080.	2.7	25
23	Intestinal β -glucosidase transcriptional responses during development and diet adjustment in altricial birds. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	3
24	Gut microbes limit growth in house sparrow nestlings (<i>Passer domesticus</i>) but not through limitations in digestive capacity. <i>Integrative Zoology</i> , 2018, 13, 139-151.	2.6	42
25	Effects of low, subchronic exposure of 2,4-Dichlorophenoxyacetic acid (2,4-D) and commercial 2,4-D formulations on early life stages of fathead minnows (<i>Pimephales promelas</i>). <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2550-2559.	4.3	25
26	Small intestinal epithelial permeability to water-soluble nutrients higher in passerine birds than in rodents. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 1766-1773.	2.2	5
27	Warmer temperature modifies effects of polybrominated diphenyl ethers on hormone profiles in leopard frog tadpoles (<i>Lithobates pipiens</i>). <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 120-127.	4.3	18
28	Intestinal digestive enzyme modulation in house sparrow nestlings occurs within 24 hours of a change in diet composition. <i>Journal of Experimental Biology</i> , 2017, 220, 2733-2742.	1.7	13
29	Chickadees Faced with Unpredictable Food Increase Fat Reserves but Certain Components of Their Immune Function Decline. <i>Physiological and Biochemical Zoology</i> , 2017, 90, 190-200.	1.5	26
30	Integrative physiology of transcellular and paracellular intestinal absorption. <i>Journal of Experimental Biology</i> , 2017, 220, 2495-2501.	1.7	38
31	Modulation of digestive enzyme activities in the avian digestive tract in relation to diet composition and quality. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 339-351.	1.5	17
32	NMR-Based Identification of Metabolites in Polar and Non-Polar Extracts of Avian Liver. <i>Metabolites</i> , 2017, 7, 61.	2.9	17
33	Diet Composition Modulates Intestinal Hydrolytic Enzymes in White-footed Mice (<i>Peromyscus</i>)	1.0784314	14
34	Impacts of 2,4-dichlorophenoxyacetic acid aquatic herbicide formulations on reproduction and development of the fathead minnow (<i>Pimephales promelas</i>). <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1478-1488.	4.3	23
35	Digestive Efficiency of Northern Leopard Frog (<i>Lithobates pipiens</i>) Tadpoles during Development, Reared on a Laboratory Diet. <i>Herpetologica</i> , 2016, 72, 107-113.	0.4	5
36	Effects of Fruit Toxins on Intestinal and Microbial β -Glucosidase Activities of Seed-Predating and Seed-Dispersing Rodents (<i>Acomys</i> spp.). <i>Physiological and Biochemical Zoology</i> , 2016, 89, 198-205.	1.5	8

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37	Arboreal Folivores Limit Their Energetic Output, All the Way to Slothfulness. <i>American Naturalist</i> , 2016, 188, 196-204.	2.1	45
38	Intestinal paracellular absorption is necessary to support the sugar oxidation cascade in nectarivorous bats. <i>Journal of Experimental Biology</i> , 2016, 219, 779-782.	1.7	11
39	Claudin gene expression patterns do not associate with interspecific differences in paracellular nutrient absorption. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016, 191, 36-45.	1.6	3
40	Intestinal Water Absorption Varies with Expected Dietary Water Load among Bats but Does Not Drive Paracellular Nutrient Absorption. <i>Physiological and Biochemical Zoology</i> , 2015, 88, 680-684.	1.5	5
41	Digestive Adaptations of Aerial Lifestyles. <i>Physiology</i> , 2015, 30, 69-78.	3.1	66
42	Larval exposure to polychlorinated biphenyl 126 (PCB ₁₂₆) causes persistent alteration of the amphibian gut microbiota. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1113-1118.	4.3	42
43	Small intestinal hydrolysis of plant glucosides: higher Glucohydrolase activities in rodents than passerine birds. <i>Journal of Experimental Biology</i> , 2015, 218, 2666-9.	1.7	3
44	Impacts of Short-Term Food Restriction on Immune Development in Altricial House Sparrow Nestlings. <i>Physiological and Biochemical Zoology</i> , 2015, 88, 195-207.	1.5	15
45	Ecological implications of reduced forage quality on growth and survival of sympatric geese. <i>Journal of Animal Ecology</i> , 2015, 84, 284-298.	2.8	27
46	A Comparison of mucosal surface area and villous histology in small intestines of the Brazilian free-tailed bat (<i>Myotis adarida brasiliensis</i>) and the mouse (<i>Mus musculus</i>). <i>Journal of Morphology</i> , 2015, 276, 102-108.	1.2	4
47	Taste and Physiological Responses to Glucosinolates: Seed Predator versus Seed Disperser. <i>PLoS ONE</i> , 2014, 9, e112505.	2.5	6
48	Nutrition and health in amphibian husbandry. <i>Zoo Biology</i> , 2014, 33, 485-501.	1.2	47
49	Spare capacity and phenotypic flexibility in the digestive system of a migratory bird: defining the limits of animal design. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140308.	2.6	36
50	Compensatory growth in nestling Zebra Finches impacts body composition but not adaptive immune function. <i>Auk</i> , 2014, 131, 396-406.	1.4	10
51	High paracellular nutrient absorption in intact bats is associated with high paracellular permeability in perfused intestinal segments. <i>Journal of Experimental Biology</i> , 2014, 217, 3311-7.	1.7	11
52	Paracellular nutrient absorption is higher in bats than rodents: integrating from intact animals to the molecular level. <i>Journal of Experimental Biology</i> , 2014, 217, 3483-92.	1.7	12
53	Immunomodulation in Post-metamorphic Northern Leopard Frogs, <i>Lithobates pipiens</i> , Following Larval Exposure to Polybrominated Diphenyl Ether. <i>Environmental Science & Technology</i> , 2014, 48, 5910-5919.	10.0	21
54	Activity of intestinal carbohydrases responds to multiple dietary signals in nestling House sparrows. <i>Journal of Experimental Biology</i> , 2013, 216, 3981-7.	1.7	8

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55	Comparative Digestive Physiology. , 2013, 3, 741-783.		230
56	Cold exposure increases intestinal paracellular permeability to nutrients in the mouse. Journal of Experimental Biology, 2013, 216, 4065-70.	1.7	11
57	Effect of age and diet composition on activity of pancreatic enzymes in birds. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2013, 183, 685-697.	1.5	13
58	The capacity for paracellular absorption in the insectivorous bat <i>Tadarida brasiliensis</i> . Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2013, 183, 289-296.	1.5	12
59	Ontogenetic changes in innate immune function in captive and wild subspecies of prairie chickens (<i>Tympanuchus cupido</i> spp.). Journal of Wildlife Management, 2013, 77, 633-638.	1.8	6
60	Interspecific and Postmetamorphic Variation in Susceptibility of Three North American Anurans to <i>Batrachochytrium dendrobatidis</i> . Journal of Herpetology, 2013, 47, 286-292.	0.5	19
61	Friend or foe? Disparate plant-animal interactions of two congeneric rodents. Evolutionary Ecology, 2013, 27, 1069-1080.	1.2	7
62	Physiological and behavioural effects of fruit toxins on seed-predating versus seed-dispersing congeneric rodents. Journal of Experimental Biology, 2013, 216, 3667-73.	1.7	10
63	Toxicokinetics of polybrominated diphenyl ethers across life stages in the northern leopard frog (<i>Lithobates pipiens</i>). Environmental Toxicology and Chemistry, 2013, 32, 1631-1640.	4.3	6
64	Ontogenetic patterns of constitutive immune parameters in altricial house sparrows. Journal of Avian Biology, 2013, 44, 513-520.	1.2	31
65	Restructuring of the amphibian gut microbiota through metamorphosis. Environmental Microbiology Reports, 2013, 5, 899-903.	2.4	148
66	Paracellular Absorption Is Relatively Low in the Herbivorous Egyptian Spiny-Tailed Lizard, <i>Uromastix aegyptia</i> . PLoS ONE, 2013, 8, e61869.	2.5	5
67	Development and plasticity of innate immune function in altricial house sparrow nestlings. FASEB Journal, 2013, 27, 714.19.	0.5	0
68	Metabolism during winter in a subtropical hibernating bat, the Formosan leaf-nosed bat (<i>Hipposideros terasensis</i>). Journal of Mammalogy, 2012, 93, 220-228.	1.3	6
69	Intraspecific Directed Deterrence by the Mustard Oil Bomb in a Desert Plant. Current Biology, 2012, 22, 1218-1220.	3.9	51
70	Growth and development of house sparrows (<i>Passer domesticus</i>) in response to chronic food restriction throughout the nestling period. Journal of Experimental Biology, 2012, 215, 1806-1815.	1.7	25
71	Effects of chronic polybrominated diphenyl ether exposure on gonadal development in the northern leopard frog, <i>Rana pipiens</i> . Environmental Toxicology and Chemistry, 2012, 31, 347-354.	4.3	13
72	Capacity for Absorption of Water-Soluble Secondary Metabolites Greater in Birds than in Rodents. PLoS ONE, 2012, 7, e32417.	2.5	22

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73	Digestive physiology: a view from molecules to ecosystem. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R276-R284.	1.8	22
74	Hibernation in warm hibernacula by free-ranging Formosan leaf-nosed bats, <i>Hipposideros terasensis</i> , in subtropical Taiwan. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2011, 181, 125-135.	1.5	35
75	Ecological Physiology of Diet and Digestive Systems. Annual Review of Physiology, 2011, 73, 69-93.	13.1	256
76	Envisioning the future of wildlife in a changing climate: Collaborative learning for adaptation planning. Wildlife Society Bulletin, 2011, 35, 508-513.	1.6	2
77	Fully reversible phenotypic plasticity of digestive physiology in young house sparrows: lack of long-term effect of early diet composition. Journal of Experimental Biology, 2011, 214, 2755-2760.	1.7	21
78	Pancreatic and Intestinal Carbohydrases Are Matched to Dietary Starch Level in Wild Passerine Birds. Physiological and Biochemical Zoology, 2011, 84, 195-203.	1.5	27
79	Flavonoids Have Differential Effects on Glucose Absorption in Rats (<i>Rattus norvegicus</i>) and American Robins (<i>Turdus migratorius</i>). Journal of Chemical Ecology, 2010, 36, 236-243.	1.8	32
80	Begging and digestive responses to differences in long-term and short-term need in nestling pied flycatchers. Animal Behaviour, 2010, 80, 517-525.	1.9	22
81	Chronic, dietary polybrominated diphenyl ether exposure affects survival, growth, and development of <i>Rana pipiens</i> tadpoles. Environmental Toxicology and Chemistry, 2010, 29, 133-141.	4.3	22
82	Low plasticity in digestive physiology constrains feeding ecology in diet specialist, zebra finch (<i>Taeniopygia guttata</i>). Journal of Experimental Biology, 2010, 213, 798-807.	1.7	23
83	Effect of Age and Diet on Total and Paracellular Glucose Absorption in Nestling House Sparrows. Physiological and Biochemical Zoology, 2010, 83, 501-511.	1.5	5
84	Assessment of Radiolabeled α -D-Glucose and the Nonmetabolizable Analog 3- α -O-Methyl- α -D-Glucose as Tools for In Vivo Absorption Studies. Physiological and Biochemical Zoology, 2010, 83, 376-384.	1.5	17
85	Gene expression basis for flexibility of intestinal maltase activity in young house sparrows. FASEB Journal, 2010, 24, lb617.	0.5	1
86	Developmental adjustments of house sparrow (<i>Passer domesticus</i>) nestlings to diet composition. Journal of Experimental Biology, 2009, 212, 1284-1293.	1.7	51
87	Chronic exposure to pentavalent arsenic of larval leopard frogs (<i>Rana pipiens</i>): bioaccumulation and reduced swimming performance. Ecotoxicology, 2009, 18, 587-593.	2.4	28
88	The integration of digestion and osmoregulation in the avian gut. Biological Reviews, 2009, 84, 533-565.	10.4	91
89	Oral and Parenteral Immunization of Chickens (<i>Gallus gallus</i>) Against West Nile Virus with Recombinant Envelope Protein. Avian Diseases, 2009, 53, 502-509.	1.0	16
90	Seasonal Field Metabolic Rates of American Martens in Wisconsin. American Midland Naturalist, 2009, 162, 327-334.	0.4	26

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91	Metabolic Teamwork between Gut Microbes and Hosts. <i>Microbe Magazine</i> , 2009, 4, 323-328.	0.4	19
92	Drinking water boosts food intake rate, body mass increase and fat accumulation in migratory blackcaps (<i>Sylvia atricapilla</i>). <i>Oecologia</i> , 2008, 156, 21-30.	2.0	22
93	Effect of mono-ortho and di-ortho substituted polychlorinated biphenyl (PCB) congeners on leopard frog survival and sexual development. <i>Chemosphere</i> , 2008, 70, 1609-1619.	8.2	16
94	Morphometrics of the Avian Small Intestine Compared with That of Nonflying Mammals: A Phylogenetic Approach. <i>Physiological and Biochemical Zoology</i> , 2008, 81, 526-550.	1.5	248
95	Allometry of Paracellular Absorption in Birds. <i>Physiological and Biochemical Zoology</i> , 2008, 81, 551-560.	1.5	17
96	Latitudinal Trends in Digestive Flexibility: Testing the Climatic Variability Hypothesis with Data on the Intestinal Length of Rodents. <i>American Naturalist</i> , 2008, 172, E122-E134.	2.1	77
97	Paracellular Absorption: A Bat Breaks the Mammal Paradigm. <i>PLoS ONE</i> , 2008, 3, e1425.	2.5	60
98	The digestive adaptation of flying vertebrates: High intestinal paracellular absorption compensates for smaller guts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19132-19137.	7.1	147
99	Mechanistic bases for differences in passive absorption. <i>Journal of Experimental Biology</i> , 2007, 210, 2754-2764.	1.7	34
100	Absorption of sugars in the Egyptian fruit bat (<i>Rousettus aegyptiacus</i>): a paradox explained. <i>Journal of Experimental Biology</i> , 2007, 210, 1726-1734.	1.7	49
101	Growth and Energy Requirements of Captive-Reared Common Loon (<i>Gavia Immer</i>) Chicks. <i>Auk</i> , 2007, 124, 1158-1167.	1.4	3
102	Paracellular nutrient absorption in a gum-feeding new world primate, the common marmoset <i>Callithrix jacchus</i> . <i>American Journal of Primatology</i> , 2007, 69, 1399-1411.	1.7	14
103	BIOENERGETIC AND PHARMACOKINETIC MODEL FOR EXPOSURE OF COMMON LOON (<i>GAVIA IMMER</i>) CHICKS TO METHYLMERCURY. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 677.	4.3	11
104	Hummingbirds rely on both paracellular and carrier-mediated intestinal glucose absorption to fuel high metabolism. <i>Biology Letters</i> , 2006, 2, 131-134.	2.3	47
105	Is alpha-Pinene a Substrate for Permeability-Glycoprotein in Wood Rats?. <i>Journal of Chemical Ecology</i> , 2006, 32, 1197-1211.	1.8	4
106	Electroaffinity in paracellular absorption of hydrophilic d-dipeptides by sparrow intestine. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006, 176, 303-309.	1.5	16
107	Phylogenetic and body size patterns in intestinal paracellular solute absorption. <i>FASEB Journal</i> , 2006, 20, A1275.	0.5	0
108	Paracellular solute absorption varies with body size in primates. <i>FASEB Journal</i> , 2006, 20, A1275.	0.5	0

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109	Field exposure of frog embryos and tadpoles along a pollution gradient in the Fox River and Green Bay ecosystem in Wisconsin, USA. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 942-953.	4.3	34
110	A new method to measure intestinal activity of P-glycoprotein in avian and mammalian species. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2005, 175, 57-66.	1.5	16
111	How the house sparrow <i>Passer domesticus</i> absorbs glucose. <i>Journal of Experimental Biology</i> , 2004, 207, 3109-3121.	1.7	36
112	Anatomical and Histological Changes in the Alimentary Tract of Migrating Blackcaps (<i>Sylvia</i>). <i>Biochemical Zoology</i> , 2004, 77, 149-160.	1.5	96
113	Creosote Bush (<i>Larrea tridentata</i>) Resin Increases Water Demands and Reduces Energy Availability in Desert Woodrats (<i>Neotoma lepida</i>). <i>Journal of Chemical Ecology</i> , 2004, 30, 1409-1429.	1.8	30
114	Do Salivary Proline-Rich Proteins Counteract Dietary Hydrolyzable Tannin in Laboratory Rats?. <i>Journal of Chemical Ecology</i> , 2004, 30, 1679-1692.	1.8	53
115	Absorption and paracellular visualization of fluorescein, a hydrosoluble probe, in intact house sparrows (<i>Passer domesticus</i>). <i>Zoology</i> , 2004, 107, 121-133.	1.2	13
116	Effects of methyl mercury exposure on the growth of juvenile common loons. <i>Ecotoxicology</i> , 2003, 12, 171-181.	2.4	59
117	Effects of subcutaneous transmitter implants on behavior, growth, energetics, and survival of Common Loon chicks. <i>Journal of Field Ornithology</i> , 2003, 74, 179-186.	0.5	12
118	Daily Energy Expenditures of Free-Ranging Common Loon (<i>Gavia immer</i>) Chicks. <i>Auk</i> , 2002, 119, 1121.	1.4	10
119	Digestive Response to Restricted Feeding in Migratory Yellow-rumped Warblers. <i>Physiological and Biochemical Zoology</i> , 2002, 75, 314-323.	1.5	26
120	Daily Energy Expenditures of Free-Ranging Common Loon (<i>Gavia immer</i>) Chicks. <i>Auk</i> , 2002, 119, 1121-1126.	1.4	11
121	Ingestion of plant secondary compounds causes diuresis in desert herbivores. <i>Oecologia</i> , 2002, 130, 576-584.	2.0	26
122	Diet preferences of warblers for specific fatty acids in relation to nutritional requirements and digestive capabilities. <i>Journal of Avian Biology</i> , 2002, 33, 167-174.	1.2	56
123	Nestling Digestive Physiology and Begging. , 2002, , 199-219.		18
124	Is Diet-shifting Facilitated by Modulation of Pancreatic Enzymes? Test of an Adaptational Hypothesis in Yellow-rumped Warblers. <i>Auk</i> , 2001, 118, 1101-1107.	1.4	9
125	Daily Energy Expenditure of Nestling Bald Eagles in Northern Wisconsin. <i>Condor</i> , 2001, 103, 175-179.	1.6	1
126	Immunohistochemical localization of cytochrome P4501A induced by 3,3',4,4',5'-pentachlorobiphenyl (PCB). <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 191-197.	4.3	33

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127	Effects of atrazine on embryos, larvae, and adults of anuran amphibians. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 769-775.	4.3	92
128	Detoxification in relation to toxin tolerance in desert woodrats eating creosote bush. <i>Journal of Chemical Ecology</i> , 2001, 27, 2559-2578.	1.8	29
129	Phenotypic flexibility in digestive system structure and function in migratory birds and its ecological significance. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2001, 128, 577-591.	1.8	171
130	Developmental Changes in Digestive Physiology of Nestling House Sparrows, <i>Passer domesticus</i> . <i>Physiological and Biochemical Zoology</i> , 2001, 74, 769-782.	1.5	58
131	Plant Secondary Compounds as Diuretics: An Overlooked Consequence. <i>American Zoologist</i> , 2001, 41, 890-901.	0.7	3
132	Plant Secondary Compounds as Diuretics: An Overlooked Consequence1. <i>American Zoologist</i> , 2001, 41, 890-901.	0.7	38
133	Is Diet-shifting Facilitated by Modulation of Pancreatic Enzymes? Test of an Adaptational Hypothesis in Yellow-rumped Warblers. <i>Auk</i> , 2001, 118, 1101.	1.4	5
134	EFFECTS OF ATRAZINE ON EMBRYOS, LARVAE, AND ADULTS OF ANURAN AMPHIBIANS. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 769.	4.3	33
135	Oral bioavailability and toxicokinetics of 3,3,4,4,5-pentachlorobiphenyl in northern leopard frogs, <i>Rana pipiens</i> . <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 1788-1794.	4.3	10
136	Effects of atrazine and nitrate on northern leopard frog (<i>Rana pipiens</i>) larvae exposed in the laboratory from posthatch through metamorphosis. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2850-2855.	4.3	89
137	Dietary modulation of intestinal enzymes of the house sparrow (<i>Passer domesticus</i>): testing an adaptive hypothesis. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2000, 125, 11-24.	1.8	76
138	Testing the role of contaminants in depressing avian numbers. <i>Revista Chilena De Historia Natural</i> , 2000, 73, 461.	1.2	4
139	Effect of Ephemeral Food Restriction on Growth of House Sparrows. <i>Auk</i> , 2000, 117, 164-174.	1.4	42
140	Test for Physiological Limitation to Nutrient Assimilation in a Long-Distance Passerine Migrant at a Springtime Stopover Site. <i>Physiological and Biochemical Zoology</i> , 2000, 73, 335-343.	1.5	65
141	Intestinal Nutrient Uptake Measurements and Tissue Damage: Validating the Everted Sleeves Method. <i>Physiological and Biochemical Zoology</i> , 2000, 73, 454-460.	1.5	30
142	INTERPOPULATION DIFFERENCES IN TOLERANCE TO CREOSOTE BUSH RESIN IN DESERT WOODRATS (<i>NEOTOMA LEPIDA</i>). <i>Ecology</i> , 2000, 81, 2067-2076.	3.2	47
143	EFFECTS OF ATRAZINE AND NITRATE ON NORTHERN LEOPARD FROG (<i>RANA PAPIENS</i>) LARVAE EXPOSED IN THE LABORATORY FROM POSTHATCH THROUGH METAMORPHOSIS. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2850.	4.3	49
144	Direct effect of ammonia on three species of north american anuran amphibians. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 1806-1812.	4.3	60

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145	Exposure of northern leopard frogs in the green bay ecosystem to polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins, and polychlorinated dibenzofurans is measured by direct chemistry but not hepatic ethoxyresorufin-o-deethylase activity. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2123-2130.	4.3	4
146	Digestive adjustments in cedar waxwings to high feeding rate. <i>The Journal of Experimental Zoology</i> , 1999, 283, 394-407.	1.4	41
147	DIRECT EFFECT OF AMMONIA ON THREE SPECIES OF NORTH AMERICAN ANURAN AMPHIBIANS. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 1806.	4.3	7
148	EXPOSURE OF NORTHERN LEOPARD FROGS IN THE GREEN BAY ECOSYSTEM TO POLYCHLORINATED BIPHENYLS, POLYCHLORINATED DIBENZO-P-DIOXINS, AND POLYCHLORINATED DIBENZOFURANS IS MEASURED BY DIRECT CHEMISTRY BUT NOT HEPATIC ETHOXYRESORUFIN-O-DEETHYLASE ACTIVITY. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2123.	4.3	20
149	Impact of 2,3,7,8-TCDD exposure on survival, growth, and behavior of ospreys breeding in Wisconsin, USA. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1323-1331.	4.3	29
150	Induction of cytochrome P450-associated monooxygenases in northern leopard frogs, <i>Rana pipiens</i> , by 3,3',4,4',5-Pentachlorobiphenyl. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1564-1569.	4.3	19
151	Test of a digestion optimization model: effect of variable-reward feeding schedules on digestive performance of a migratory bird. <i>Oecologia</i> , 1998, 114, 160-169.	2.0	16
152	Low Reproductive Rates of Lake Superior Bald Eagles: Low Food Delivery Rates or Environmental Contaminants?. <i>Journal of Great Lakes Research</i> , 1998, 24, 32-44.	1.9	39
153	INDUCTION OF CYTOCHROME P450-ASSOCIATED MONOOXYGENASES IN NORTHERN LEOPARD FROGS, RANA PIPPIENS, BY 3,3',4,4',5-PENTACHLOROBIPHENYL. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1564.	4.3	20
154	Digestion of Chitin by Northern Bobwhites and American Robins. <i>Condor</i> , 1997, 99, 554-556.	1.6	18
155	Is Diet Shifting Facilitated by Modulation of Intestinal Nutrient Uptake? Test of an Adaptational Hypothesis in Yellow-Rumped Warblers. <i>Physiological Zoology</i> , 1997, 70, 213-221.	1.5	34
156	Validation of the Doubly Labeled Water Method in Bald Eagles (<i>Haliaeetus leucocephalus</i>) and a Comparison of Two Equations for the Calculation of Energy Expenditure. <i>Physiological Zoology</i> , 1997, 70, 19-26.	1.5	12
157	A Test for Passive Absorption of Glucose in Yellow-Rumped Warblers and Its Ecological Implications. <i>Physiological Zoology</i> , 1997, 70, 370-377.	1.5	51
158	Cost of locomotion and daily energy expenditure by free-living swift foxes (<i>Vulpes velox</i>): a seasonal comparison. <i>Canadian Journal of Zoology</i> , 1996, 74, 283-290.	1.0	34
159	Nutritional Costs of a Plant Secondary Metabolite Explain Selective Foraging by Ruffed Grouse. <i>Ecology</i> , 1996, 77, 1103-1115.	3.2	89
160	Reproductive success, developmental anomalies, and environmental contaminants in double-crested cormorants (<i>Phalacrocorax auritus</i>). <i>Environmental Toxicology and Chemistry</i> , 1996, 15, 553-559.	4.3	39
161	Test of a Reactor-Based Digestion Optimization Model for Nectar-Eating Rainbow Lorikeets. <i>Physiological Zoology</i> , 1996, 69, 117-138.	1.5	36
162	The Trade-Offs Between Digestion Rate and Efficiency in Warblers and Their Ecological Implications. <i>Ecology</i> , 1995, 76, 2247-2257.	3.2	177

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163	Sodium balance in ruffed grouse as influenced by sodium levels and plant secondary metabolites in quaking aspen. <i>Canadian Journal of Zoology</i> , 1995, 73, 1106-1114.	1.0	12
164	Costs of bot fly infection in white-footed mice: energy and mass flow. <i>Canadian Journal of Zoology</i> , 1994, 72, 166-173.	1.0	42
165	Gut Passage of Insects by European Starlings and Comparison with Other Species. <i>Auk</i> , 1994, 111, 478-481.	1.4	62
166	Physiological and behavioral effects of coniferyl benzoate on avian reproduction. <i>Journal of Chemical Ecology</i> , 1993, 19, 2353-2377.	1.8	9
167	Nesting Energetics of House Wrens (<i>Troglodytes aedon</i>) in Relation to Maximal Rates of Energy Flow. <i>Auk</i> , 1993, 110, 481-491.	1.4	22
168	Daily Energy Expenditure by Nestling House Wrens. <i>Condor</i> , 1993, 95, 1028-1030.	1.6	17
169	Coniferyl Benzoate in Quaking Aspen (<i>Populus tremuloides</i>): Its Effect on Energy and Nitrogen Digestion and Retention in Ruffed Grouse (<i>Bonasa umbellus</i>). <i>Physiological Zoology</i> , 1993, 66, 580-601.	1.5	29
170	Ruffed Grouse Tolerance and Biotransformation of the Plant Secondary Metabolite Coniferyl Benzoate. <i>Condor</i> , 1993, 95, 625-640.	1.6	27
171	Daily Energy Expenditure and the Cost of Activity in Mammals. <i>American Zoologist</i> , 1992, 32, 238-248.	0.7	106
172	Daily Energy and Expenditure by Black-Capped Chickadees (<i>Parus atricapillus</i>) in Winter. <i>Auk</i> , 1992, 109, 393-395.	1.4	17
173	Changes in Gut Structure and Function of House Wrens (<i>Troglodytes aedon</i>) in Response to Increased Energy Demands. <i>Physiological Zoology</i> , 1992, 65, 422-442.	1.5	101
174	Tannic acid inhibition of amino acid and sugar absorption by mouse and vole intestine: Tests following acute and subchronic exposure. <i>Journal of Chemical Ecology</i> , 1992, 18, 719-736.	1.8	31
175	Sublethal parasites in white-footed mice: impact on survival and reproduction. <i>Canadian Journal of Zoology</i> , 1991, 69, 398-404.	1.0	43
176	Digestive System Trade-offs and Adaptations of Frugivorous Passerine Birds. <i>Physiological Zoology</i> , 1990, 63, 1248-1270.	1.5	135
177	Digestion Strategies in Nectar- and Fruit-Eating Birds and the Sugar Composition of Plant Rewards. <i>American Naturalist</i> , 1990, 136, 618-637.	2.1	105
178	Sublethal Parasites and Host Energy Budgets: Tapeworm Infection in White-Footed Mice. <i>Ecology</i> , 1989, 70, 904-921.	3.2	89
179	Antiherbivore Chemistry of <i>Larrea tridentata</i> : Effects on Woodrat (<i>Neotoma lepida</i>) Feeding and Nutrition. <i>Ecology</i> , 1989, 70, 953-961.	3.2	62
180	Nutritional Bottleneck in a Herbivore, the Desert Wood Rat (<i>Neotoma lepida</i>). <i>Physiological Zoology</i> , 1989, 62, 1351-1382.	1.5	46

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182	Interplay between Physiology and Ecology in Digestion. <i>BioScience</i> , 1988, 38, 602-611.	4.9	155
183	Food Passage and Intestinal Nutrient Absorption in Hummingbirds. <i>Auk</i> , 1986, 103, 453-464.	1.4	179
184	How do food passage rate and assimilation differ between herbivorous lizards and nonruminant mammals?. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1986, 156, 599-609.	1.5	75
185	Digestive physiology is a determinant of foraging bout frequency in hummingbirds. <i>Nature</i> , 1986, 320, 62-63.	27.8	226
186	Nutrient constraints in the feeding ecology of an omnivore in a seasonal environment. <i>Oecologia</i> , 1985, 66, 280-290.	2.0	29
187	Interhabitat Differences in Energy Acquisition and Expenditure in a Lizard. <i>Ecology</i> , 1984, 65, 235-247.	3.2	74
188	Gut physiology: Trophic control of the intestinal mucosa. <i>Nature</i> , 1983, 304, 18-18.	27.8	31
189	Wintertime Energy Conservation by Huddling in Antelope Ground Squirrels (<i>Ammospermophilus</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i>	1.3	38
190	Water Flux and Water Requirement in Free-living Antelope Ground Squirrels <i>Ammospermophilus leucurus</i> . <i>Physiological Zoology</i> , 1983, 56, 94-105.	1.5	24
191	Energy Assimilation, Nitrogen Requirement, and Diet in Free-Living Antelope Ground Squirrels <i>Ammospermophilus leucurus</i> . <i>Physiological Zoology</i> , 1982, 55, 378-392.	1.5	49
192	Daily energy expenditure and the cost of activity in a free-living mammal. <i>Oecologia</i> , 1981, 51, 253-259.	2.0	81