

Raymond B Huey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

16,829
citations

56
h-index

91
g-index

91
ext. papers

19,262
ext. citations

8.4
avg, IF

6.74
L-index

#	Paper	IF	Citations
88	Three questions about the eco-physiology of overwintering underground. <i>Ecology Letters</i> , 2021 , 24, 170-185	18.5	18
87	Modelling the joint effects of body size and microclimate on heat budgets and foraging opportunities of ectotherms. <i>Methods in Ecology and Evolution</i> , 2021 , 12, 458-467	7.7	2
86	Seasonality in Kgalagadi Lizards: Inferences from Legacy Data. <i>American Naturalist</i> , 2021 , 198, 759-771	3.7	0
85	Lizards, toepads, and the ghost of hurricanes past. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11194-11196	11.5	3
84	Dynamics of death by heat. <i>Science</i> , 2020 , 369, 1163	33.3	3
83	Mountaineers on Mount Everest: Effects of age, sex, experience, and crowding on rates of success and death. <i>PLoS ONE</i> , 2020 , 15, e0236919	3.7	11
82	Distribution modelling of an introduced species: do adaptive genetic markers affect potential range?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201791	4.4	1
81	Revisiting a Key Innovation in Evolutionary Biology: Felsenstein's "Phylogenies and the Comparative Method". <i>American Naturalist</i> , 2019 , 193, 755-772	3.7	23
80	Climate Warming, Resource Availability, and the Metabolic Meltdown of Ectotherms. <i>American Naturalist</i> , 2019 , 194, E140-E150	3.7	61
79	A global test of the cold-climate hypothesis for the evolution of viviparity of squamate reptiles. <i>Global Ecology and Biogeography</i> , 2018 , 27, 679-689	6.1	11
78	Body temperature distributions of active diurnal lizards in three deserts: Skewed up or skewed down?. <i>Functional Ecology</i> , 2018 , 32, 334-344	5.6	13
77	Model vs. experiment to predict crop losses-Response. <i>Science</i> , 2018 , 362, 1122-1123	33.3	
76	Increase in crop losses to insect pests in a warming climate. <i>Science</i> , 2018 , 361, 916-919	33.3	410
75	Evolution caused by extreme events. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	102
74	ECOLOGY. How frigate birds soar around the doldrums. <i>Science</i> , 2016 , 353, 26-7	33.3	3
73	Temperature extremes: geographic patterns, recent changes, and implications for organismal vulnerabilities. <i>Global Change Biology</i> , 2016 , 22, 3829-3842	11.4	97
72	How Extreme Temperatures Impact Organisms and the Evolution of their Thermal Tolerance. <i>Integrative and Comparative Biology</i> , 2016 , 56, 98-109	2.8	88

71	Can we predict ectotherm responses to climate change using thermal performance curves and body temperatures?. <i>Ecology Letters</i> , 2016 , 19, 1372-1385	10	377
70	A Few Meters Matter: Local Habitats Drive Reproductive Cycles in a Tropical Lizard. <i>American Naturalist</i> , 2015 , 186, E72-80	3.7	17
69	Ecophysiology. Climate change tightens a metabolic constraint on marine habitats. <i>Science</i> , 2015 , 348, 1132-5	33.3	363
68	Thermal-safety margins and the necessity of thermoregulatory behavior across latitude and elevation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5610-5	11.5	630
67	Asynchronous evolution of physiology and morphology in Anolis lizards. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 2101-13	3.8	44
66	Disentangling thermal preference and the thermal dependence of movement in ectotherms. <i>Journal of Thermal Biology</i> , 2012 , 37, 631-639	2.9	25
65	Predicting organismal vulnerability to climate warming: roles of behaviour, physiology and adaptation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 1665-79	5.8	778
64	Ocean deoxygenation: Past, present, and future. <i>Eos</i> , 2011 , 92, 409-410	1.5	58
63	Does thermoregulatory behavior maximize reproductive fitness of natural isolates of <i>Caenorhabditis elegans</i> ?. <i>BMC Evolutionary Biology</i> , 2011 , 11, 157	3	39
62	Variation in universal temperature dependence of biological rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 10377-8	11.5	59
61	Global metabolic impacts of recent climate warming. <i>Nature</i> , 2010 , 467, 704-6	50.4	557
60	Ecology. Are lizards toast?. <i>Science</i> , 2010 , 328, 832-3	33.3	88
59	On Becoming a Better Scientist. <i>Israel Journal of Ecology and Evolution</i> , 2010 , 57, 293-307	0.8	2
58	Can behavior douse the fire of climate warming?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3647-8	11.5	107
57	Partial thermoregulatory compensation by a rapidly evolving invasive species along a latitudinal cline. <i>Ecology</i> , 2009 , 90, 1715-20	4.6	61
56	Why tropical forest lizards are vulnerable to climate warming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 1939-48	4.4	566
55	Clinal patterns of desiccation and starvation resistance in ancestral and invading populations of <i>Drosophila subobscura</i> . <i>Evolutionary Applications</i> , 2008 , 1, 513-23	4.8	37
54	Ecology. Putting the heat on tropical animals. <i>Science</i> , 2008 , 320, 1296-7	33.3	637

53	Why "suboptimal" is optimal: Jensen's inequality and ectotherm thermal preferences. <i>American Naturalist</i> , 2008 , 171, E102-18	3.7	408
52	Impacts of climate warming on terrestrial ectotherms across latitude. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6668-72	11.5	2208
51	Bart's familiar quotations: the enduring biological wisdom of George A. Bartholomew. <i>Physiological and Biochemical Zoology</i> , 2008 , 81, 519-25	2	6
50	Climate warming and environmental sex determination in tuatara: the last of the Sphenodontians?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 2181-3	4.4	14
49	Effects of age and gender on success and death of mountaineers on Mount Everest. <i>Biology Letters</i> , 2007 , 3, 498-500	3.6	28
48	Lizard thermal biology: do genders differ?. <i>American Naturalist</i> , 2007 , 170, 473-8	3.7	33
47	Comment on "Global genetic change tracks global climate warming in <i>Drosophila subobscura</i> ". <i>Science</i> , 2007 , 315, 1497; author reply 1497	33.3	9
46	Thermodynamics constrains the evolution of insect population growth rates: "warmer is better". <i>American Naturalist</i> , 2006 , 168, 512-20	3.7	223
45	Are mountain passes higher in the tropics? Janzen's hypothesis revisited. <i>Integrative and Comparative Biology</i> , 2006 , 46, 5-17	2.8	516
44	Global genetic change tracks global climate warming in <i>Drosophila subobscura</i> . <i>Science</i> , 2006 , 313, 1773-5	33.3	273
43	Sexual size dimorphism in a <i>Drosophila</i> clade, the <i>D. obscura</i> group. <i>Zoology</i> , 2006 , 109, 318-30	1.7	49
42	Introduction: a symposium honoring george a. Bartholomew. <i>Integrative and Comparative Biology</i> , 2005 , 45, 217-8	2.8	3
41	Hypoxia, global warming, and terrestrial late Permian extinctions. <i>Science</i> , 2005 , 308, 398-401	33.3	188
40	Mutation accumulation, performance, fitness. <i>Integrative and Comparative Biology</i> , 2003 , 43, 387-95	2.8	12
39	Evolutionary pace of chromosomal polymorphism in colonizing populations of <i>Drosophila subobscura</i> : an evolutionary time series. <i>Evolution; International Journal of Organic Evolution</i> , 2003 , 57, 1837-45	3.8	81
38	Behavioral drive versus behavioral inertia in evolution: a null model approach. <i>American Naturalist</i> , 2003 , 161, 357-66	3.7	486
37	Plants versus animals: do they deal with stress in different ways?. <i>Integrative and Comparative Biology</i> , 2002 , 42, 415-23	2.8	81
36	Neuroscience and evolution. Snake sodium channels resist TTX arrest. <i>Science</i> , 2002 , 297, 1289-90	33.3	9

35	Rapid evolution of wing size clines in <i>Drosophila subobscura</i> . <i>Genetica</i> , 2001 , 112/113, 273-286	1.5	122
34	Locomotor performance of <i>Drosophila melanogaster</i> : interactions among developmental and adult temperatures, age, and geography. <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 205-9	3.8	93
33	Parental and developmental temperature effects on the thermal dependence of fitness in <i>Drosophila melanogaster</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 209-14	3.8	67
32	HOW OFTEN DO LIZARDS RUN ON EMPTY? <i>Ecology</i> , 2001 , 82, 1-7	4.6	10
31	Limits to human performance: elevated risks on high mountains. <i>Journal of Experimental Biology</i> , 2001 , 204, 3115-3119	3	39
30	Evolutionary Physiology. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2000 , 31, 315-341		176
29	Testing the Adaptive Significance of Acclimation: A Strong Inference Approach. <i>American Zoologist</i> , 1999 , 39, 323-336		201
28	The direct response of <i>Drosophila melanogaster</i> to selection on knockdown temperature. <i>Heredity</i> , 1999 , 83 (Pt 1), 15-29	3.6	97
27	Temperature regulation in free-ranging ectotherms: what are the appropriate questions?. <i>African Journal of Herpetology</i> , 1999 , 48, 41-48	0.6	8
26	Within- and Between-Generation Effects of Temperature on the Morphology and Physiology of <i>Drosophila melanogaster</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 1205	3.8	74
25	WITHIN- AND BETWEEN-GENERATION EFFECTS OF TEMPERATURE ON THE MORPHOLOGY AND PHYSIOLOGY OF <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 1205-1218	3.8	152
24	Within- and between-generation effects of temperature on early fecundity of <i>Drosophila melanogaster</i> . <i>Heredity</i> , 1995 , 74 (Pt 2), 216-23	3.6	93
23	CHROMOSOMAL ANALYSIS OF HEAT-SHOCK TOLERANCE IN <i>DROSOPHILA MELANOGASTER</i> EVOLVING AT DIFFERENT TEMPERATURES IN THE LABORATORY. <i>Evolution; International Journal of Organic Evolution</i> , 1995 , 49, 676-684	3.8	90
22	Evaluating temperature regulation by field-active ectotherms: the fallacy of the inappropriate question. <i>American Naturalist</i> , 1993 , 142, 796-818	3.7	618
21	Evolution of Resistance to High Temperature in Ectotherms. <i>American Naturalist</i> , 1993 , 142, S21-S46	3.7	354
20	PHYLOGENY AND COADAPTATION OF THERMAL PHYSIOLOGY IN LIZARDS: A REANALYSIS. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 1969-1975	3.8	121
19	THERMAL SENSITIVITY OF <i>DROSOPHILA MELANOGASTER</i> RESPONDS RAPIDLY TO LABORATORY NATURAL SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 751-756	3.8	166
18	Physiological Consequences of Habitat Selection. <i>American Naturalist</i> , 1991 , 137, S91-S115	3.7	555

17	Locomotor impairment and defense in gravid lizards (<i>Eumeces laticeps</i>): behavioral shift in activity may offset costs of reproduction in an active forager. <i>Behavioral Ecology and Sociobiology</i> , 1990 , 27, 153-157	2.5	142
16	Hot Rocks and Not-So-Hot Rocks: Retreat-Site Selection by Garter Snakes and Its Thermal Consequences. <i>Ecology</i> , 1989 , 70, 931-944	4.6	278
15	Locomotor performance of hatchling fence lizards (<i>Sceloporus occidentalis</i>): Quantitative genetics and morphometric correlates. <i>Evolutionary Ecology</i> , 1989 , 3, 240-252	1.8	123
14	TESTING SYMMORPHOSIS: DOES STRUCTURE MATCH FUNCTIONAL REQUIREMENTS?. <i>Evolution; International Journal of Organic Evolution</i> , 1987 , 41, 1404-1409	3.8	73
13	PHYLOGENETIC STUDIES OF COADAPTATION: PREFERRED TEMPERATURES VERSUS OPTIMAL PERFORMANCE TEMPERATURES OF LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , 1987 , 41, 1098-1115	3.8	453
12	REPEATABILITY OF LOCOMOTOR PERFORMANCE IN NATURAL POPULATIONS OF THE LIZARD SCELOPORUS MERRIAMI. <i>Evolution; International Journal of Organic Evolution</i> , 1987 , 41, 1116-1120	3.8	122
11	Phylogenetic Studies of Coadaptation: Preferred Temperatures Versus Optimal Performance Temperatures of Lizards. <i>Evolution; International Journal of Organic Evolution</i> , 1987 , 41, 1098	3.8	169
10	Physiological Consequences of Thermoregulation in a Tropical Lizard (<i>Ameiva festiva</i>). <i>Physiological Zoology</i> , 1986 , 59, 464-472		60
9	The Parasol Tail and Thermoregulatory Behavior of the Cape Ground Squirrel <i>Xerus inauris</i> . <i>Physiological Zoology</i> , 1984 , 57, 57-62		47
8	IS A JACK-OF-ALL-TEMPERATURES A MASTER OF NONE?. <i>Evolution; International Journal of Organic Evolution</i> , 1984 , 38, 441-444	3.8	265
7	Effects of Body Size and Slope on Acceleration of a Lizard (<i>Stellio Stellio</i>). <i>Journal of Experimental Biology</i> , 1984 , 110, 113-123	3	78
6	HOMAGE TO SANTA ANITA: THERMAL SENSITIVITY OF SPRINT SPEED IN AGAMID LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , 1983 , 37, 1075-1084	3.8	222
5	Parapatry and niche complementarity of Peruvian Desert geckos (<i>Phyllodactylus</i>): the ambiguous role of competition. <i>Oecologia</i> , 1979 , 38, 249-259	2.9	31
4	Integrating Thermal Physiology and Ecology of Ectotherms: A Discussion of Approaches. <i>American Zoologist</i> , 1979 , 19, 357-366		917
3	Latitudinal Pattern of Between-Altitude Faunal Similarity: Mountains Might be "Higher" in the Tropics. <i>American Naturalist</i> , 1978 , 112, 225-229	3.7	74
2	Seasonal Variation in Thermoregulatory Behavior and Body Temperature of Diurnal Kalahari Lizards. <i>Ecology</i> , 1977 , 58, 1066-1075	4.6	144
1	Cost and benefits of lizard thermoregulation. <i>Quarterly Review of Biology</i> , 1976 , 51, 363-84	5.4	666