# Raymond B Huey

List of Publications by Year
in descending order



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|---|---|---|---|
| 90 papers | 21,669 citations | 26567 56 h-index | 46693 89 g-index |
| 91 all docs | 91 docs citations | 91 times ranked | 14547 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Designing a Seasonal Acclimation Study Presents Challenges and Opportunities. Integrative Organismal Biology, 2022, 4, . | 0.9 | 12 |
| 2 | Three questions about the ecoâ€physiology of overwintering underground. Ecology Letters, 2021, 24, 170-185. | 3.0 | 42 |
| 3 | Modelling the joint effects of body size and microclimate on heat budgets and foraging opportunities of ectotherms. Methods in Ecology and Evolution, 2021, 12, 458-467. | 2.2 | 13 |
| 4 | Seasonality in Kgalagadi Lizards: Inferences from Legacy Data. American Naturalist, 2021, 198, 759-771. | 1.0 | 8 |
| 5 | Dynamics of death by heat. Science, 2020, 369, 1163-1163. | 6.0 | 10 |
| 6 | Mountaineers on Mount Everest: Effects of age, sex, experience, and crowding on rates of success and death. PLoS ONE, 2020, 15, e0236919. | 1.1 | 26 |
| 7 | Distribution modelling of an introduced species: do adaptive genetic markers affect potential range?. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201791. | 1.2 | 5 |
| 8 | Lizards, toepads, and the ghost of hurricanes past. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11194-11196. | 3.3 | 5 |
| 9 | Climate Warming, Resource Availability, and the Metabolic Meltdown of Ectotherms. American Naturalist, 2019, 194, E140-E150. | 1.0 | 156 |
| 10 | Revisiting a Key Innovation in Evolutionary Biology: Felsensteinâ€™s â€œPhylogenies and the Comparative Methodâ€. American Naturalist, 2019, 193, 755-772. | 1.0 | 44 |
| 11 | A global test of the coldâ€climate hypothesis for the evolution of viviparity of squamate reptiles. Global Ecology and Biogeography, 2018, 27, 679-689. | 2.7 | 29 |
| 12 | Biological buffers and the impacts of climate change. Integrative Zoology, 2018, 13, 349-354. | 1.3 | 16 |
| 13 | Body temperature distributions of active diurnal lizards in three deserts: Skewed up or skewed down?. Functional Ecology, 2018, 32, 334-344. | 1.7 | 18 |
| 14 | Model vs. experiment to predict crop lossesâ€"Response. Science, 2018, 362, 1122-1123. | 6.0 | 0 |
| 15 | Increase in crop losses to insect pests in a warming climate. Science, 2018, 361, 916-919. | 6.0 | 764 |
| 16 | Evolution caused by extreme events. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160146. | 1.8 | 170 |
| 17 | Temperature extremes: geographic patterns, recent changes, and implications for organismal vulnerabilities. Global Change Biology, 2016, 22, 3829-3842. | 4.2 | 142 |
| 18 | How Extreme Temperatures Impact Organisms and the Evolution of their Thermal Tolerance. Integrative and Comparative Biology, 2016, 56, 98-109. | 0.9 | 130 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Can we predict ectotherm responses to climate change using thermal performance curves and body temperatures?. Ecology Letters, 2016, 19, 1372-1385. | 3.0 | 587 |
| 20 | How frigate birds soar around the doldrums. Science, 2016, 353, 26-27. | 6.0 | 4 |
| 21 | Climate change tightens a metabolic constraint on marine habitats. Science, 2015, 348, 1132-1135. | 6.0 | 547 |
| 22 | A Few Meters Matter: Local Habitats Drive Reproductive Cycles in a Tropical Lizard. American Naturalist, 2015, 186, E72-E80. | 1.0 | 24 |
| 23 | Thermal-safety margins and the necessity of thermoregulatory behavior across latitude and elevation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5610-5615. | 3.3 | 906 |
| 24 | ASYNCHRONOUS EVOLUTION OF PHYSIOLOGY AND MORPHOLOGY IN<i>ANOLIS</i>LIZARDS. Evolution; International Journal of Organic Evolution, 2013, 67, 2101-2113. | 1.1 | 54 |
| 25 | Disentangling thermal preference and the thermal dependence of movement in ectotherms. Journal of Thermal Biology, 2012, 37, 631-639. | 1.1 | 35 |
| 26 | Predicting organismal vulnerability to climate warming: roles of behaviour, physiology and adaptation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1665-1679. | 1.8 | 1,049 |
| 27 | Variation in universal temperature dependence of biological rates. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10377-10378. | 3.3 | 71 |
| 28 | Ocean deoxygenation: Past, present, and future. Eos, 2011, 92, 409-410. | 0.1 | 75 |
| 29 | Does thermoregulatory behavior maximize reproductive fitness of natural isolates of Caenorhabditis elegans?. BMC Evolutionary Biology, 2011, 11, 157. | 3.2 | 51 |
| 30 | Global metabolic impacts of recent climate warming. Nature, 2010, 467, 704-706. | 13.7 | 729 |
| 31 | Are Lizards Toast?. Science, 2010, 328, 832-833. | 6.0 | 113 |
| 32 | On Becoming a Better Scientist. Israel Journal of Ecology and Evolution, 2010, 57, 293-307. | 0.2 | 3 |
| 33 | Can behavior douse the fire of climate warming?. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3647-3648. | 3.3 | 122 |
| 34 | Partial thermoregulatory compensation by a rapidly evolving invasive species along a latitudinal cline. Ecology, 2009, 90, 1715-1720. | 1.5 | 68 |
| 35 | Why tropical forest lizards are vulnerable to climate warming. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1939-1948. | 1.2 | 700 |
| 36 | Clinal patterns of desiccation and starvation resistance in ancestral and invading populations ofâ€‚<i>Drosophila subobscura</i>. Evolutionary Applications, 2008, 1, 513-523. | 1.5 | 43 |

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|---|---|---|---|
| 37 | Putting the Heat on Tropical Animals. Science, 2008, 320, 1296-1297. | 6.0 | 788 |
| 38 | Why â€œSuboptimalâ€•Is Optimal: Jensenâ€™s Inequality and Ectotherm Thermal Preferences. American Naturalist, 2008, 171, E102-E118. | 1.0 | 505 |
| 39 | Impacts of climate warming on terrestrial ectotherms across latitude. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6668-6672. | 3.3 | 2,833 |
| 40 | Bartâ€™s Familiar Quotations: The Enduring Biological Wisdom of George A. Bartholomew. Physiological and Biochemical Zoology, 2008, 81, 519-525. | 0.6 | 8 |
| 41 | Climate warming and environmental sex determination in tuatara: the Last of the Sphenodontians?. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2181-2183. | 1.2 | 19 |
| 42 | Lizard Thermal Biology: Do Genders Differ?. American Naturalist, 2007, 170, 473-478. | 1.0 | 39 |
| 43 | Response to Comment on "Global Genetic Change Tracks Global Climate Warming in Drosophila subobscura". Science, 2007, 315, 1497b-1497b. | 6.0 | 11 |
| 44 | Effects of age and gender on success and death of mountaineers on Mount Everest. Biology Letters, 2007, 3, 498-500. | 1.0 | 36 |
| 45 | Global Genetic Change Tracks Global Climate Warming in Drosophila subobscura. Science, 2006, 313, 1773-1775. | 6.0 | 324 |
| 46 | Sexual size dimorphism in a Drosophila clade, the D. obscura group. Zoology, 2006, 109, 318-330. | 0.6 | 63 |
| 47 | Thermodynamics Constrains the Evolution of Insect Population Growth Rates: â€œWarmer Is Betterâ€. American Naturalist, 2006, 168, 512-520. | 1.0 | 272 |
| 48 | Are mountain passes higher in the tropics? janzen's hypothesis revisited. Integrative and Comparative Biology, 2006, 46, 5-17. | 0.9 | 642 |
| 49 | Introduction: A Symposium Honoring George A. Bartholomew. Integrative and Comparative Biology, 2005, 45, 217-218. | 0.9 | 3 |
| 50 | Hypoxia, Global Warming, and Terrestrial Late Permian Extinctions. Science, 2005, 308, 398-401. | 6.0 | 220 |
| 51 | EVOLUTIONARY PACE OF CHROMOSOMAL POLYMORPHISM IN COLONIZING POPULATIONS OF DROSOPHILA SUBOBSCURA: AN EVOLUTIONARY TIME SERIES. Evolution; International Journal of Organic Evolution, 2003, 57, 1837-1845. | 1.1 | 89 |
| 52 | Behavioral Drive versus Behavioral Inertia in Evolution: A Null Model Approach. American Naturalist, 2003, 161, 357-366. | 1.0 | 617 |
| 53 | Mutation Accumulation, Performance, Fitness. Integrative and Comparative Biology, 2003, 43, 387-395. | 0.9 | 14 |
| 54 | Plants Versus Animals: Do They Deal with Stress in Different Ways?. Integrative and Comparative Biology, 2002, 42, 415-423. | 0.9 | 110 |

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|---|---|---|---|
| 55 | NEUROSCIENCE AND EVOLUTION: Snake Sodium Channels Resist TTX Arrest. Science, 2002, 297, 1289-1290. | 6.0 | 12 |
| 56 | HOW OFTEN DO LIZARDS â€œRUN ON EMPTYâ€?. Ecology, 2001, 82, 1-7. | 1.5 | 33 |
| 57 | Rapid evolution of wing size clines in Drosophila subobscura. Genetica, 2001, 112/113, 273-286. | 0.5 | 151 |
| 58 | LOCOMOTOR PERFORMANCE OF DROSOPHILA MELANOGASTER: INTERACTIONS AMONG DEVELOPMENTAL AND ADULT TEMPERATURES, AGE, AND GEOGRAPHY. Evolution; International Journal of Organic Evolution, 2001, 55, 205-209. | 1.1 | 97 |
| 59 | PARENTAL AND DEVELOPMENTAL TEMPERATURE EFFECTS ON THE THERMAL DEPENDENCE OF FITNESS IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2001, 55, 209-214. | 1.1 | 72 |
| 60 | Limits to human performance: elevated risks on high mountains. Journal of Experimental Biology, 2001, 204, 3115-3119. | 0.8 | 57 |
| 61 | Evolutionary Physiology. Annual Review of Ecology, Evolution, and Systematics, 2000, 31, 315-341. | 6.7 | 186 |
| 62 | Testing the Adaptive Significance of Acclimation: A Strong Inference Approach. American Zoologist, 1999, 39, 323-336. | 0.7 | 239 |
| 63 | The direct response of Drosophila melanogaster to selection on knockdown temperature. Heredity, 1999, 83, 15-29. | 1.2 | 109 |
| 64 | Temperature regulation in free-ranging ectotherms: what are the appropriate questions?. African Journal of Herpetology, 1999, 48, 41-48. | 0.3 | 9 |
| 65 | WITHINâ€•AND BETWEENâ€GENERATION EFFECTS OF TEMPERATURE ON THE MORPHOLOGY AND PHYSIOLOGY OF <i>DROSOPHILA MELANOGASTER</i>. Evolution; International Journal of Organic Evolution, 1996, 50, 1205-1218. | 1.1 | 162 |
| 66 | Within- and Between-Generation Effects of Temperature on the Morphology and Physiology of Drosophila melanogaster. Evolution; International Journal of Organic Evolution, 1996, 50, 1205. | 1.1 | 97 |
| 67 | CHROMOSOMAL ANALYSIS OF HEATâ€SHOCK TOLERANCE IN <i>DROSOPHILA MELANOGASTER</i> EVOLVING AT DIFFERENT TEMPERATURES IN THE LABORATORY. Evolution; International Journal of Organic Evolution, 1995, 49, 676-684. | 1.1 | 98 |
| 68 | Within- and between-generation effects of temperature on early fecundity of Drosophila melanogaster. Heredity, 1995, 74, 216-223. | 1.2 | 101 |
| 69 | Evaluating Temperature Regulation by Field-Active Ectotherms: The Fallacy of the Inappropriate Question. American Naturalist, 1993, 142, 796-818. | 1.0 | 731 |
| 70 | Evolution of Resistance to High Temperature in Ectotherms. American Naturalist, 1993, 142, S21-S46. | 1.0 | 420 |
| 71 | PHYLOGENY AND COADAPTATION OF THERMAL PHYSIOLOGY IN LIZARDS: A REANALYSIS. Evolution; International Journal of Organic Evolution, 1991, 45, 1969-1975. | 1.1 | 128 |
| 72 | THERMAL SENSITIVITY OF <i>DROSOPHILA MELANOGASTER</i> RESPONDS RAPIDLY TO LABORATORY NATURAL SELECTION. Evolution; International Journal of Organic Evolution, 1991, 45, 751-756. | 1.1 | 176 |

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|---|---|---|---|
| 73 | Physiological Consequences of Habitat Selection. American Naturalist, 1991, 137, S91-S115. | 1.0 | 680 |
| 74 | Locomotor impairment and defense in gravid lizards (Eumeces laticeps): behavioral shift in activity may offset costs of reproduction in an active forager. Behavioral Ecology and Sociobiology, 1990, 27, 153-157. | 0.6 | 164 |
| 75 | Hot Rocks and Not-So-Hot Rocks: Retreat-Site Selection by Garter Snakes and Its Thermal Consequences. Ecology, 1989, 70, 931-944. | 1.5 | 376 |
| 76 | Locomotor performance of hatchling fence lizards (Sceloporus occidentalis): Quantitative genetics and morphometric correlates. Evolutionary Ecology, 1989, 3, 240-252. | 0.5 | 138 |
| 77 | TESTING SYMMORPHOSIS: DOES STRUCTURE MATCH FUNCTIONAL REQUIREMENTS?. Evolution; International Journal of Organic Evolution, 1987, 41, 1404-1409. | 1.1 | 82 |
| 78 | PHYLOGENETIC STUDIES OF COADAPTATION: PREFERRED TEMPERATURES VERSUS OPTIMAL PERFORMANCE TEMPERATURES OF LIZARDS. Evolution; International Journal of Organic Evolution, 1987, 41, 1098-1115. | 1.1 | 503 |
| 79 | REPEATABILITY OF LOCOMOTOR PERFORMANCE IN NATURAL POPULATIONS OF THE LIZARD <i>SCELOPORUS MERRIAMI</i>. Evolution; International Journal of Organic Evolution, 1987, 41, 1116-1120. | 1.1 | 132 |
| 80 | Phylogenetic Studies of Coadaptation: Preferred Temperatures Versus Optimal Performance Temperatures of Lizards. Evolution; International Journal of Organic Evolution, 1987, 41, 1098. | 1.1 | 198 |
| 81 | Physiological Consequences of Thermoregulation in a Tropical Lizard (Ameiva festiva). Physiological Zoology, 1986, 59, 464-472. | 1.5 | 78 |
| 82 | The Parasol Tail and Thermoregulatory Behavior of the Cape Ground Squirrel Xerus inauris. Physiological Zoology, 1984, 57, 57-62. | 1.5 | 53 |
| 83 | IS A JACKâ€OFâ€ALLâ€TEMPERATURES A MASTER OF NONE?. Evolution; International Journal of Organic Evolution, 1984, 38, 441-444. | 1.1 | 293 |
| 84 | Effects of Body Size and Slope on Acceleration of a Lizard (<i>Stellio Stellio</i>). Journal of Experimental Biology, 1984, 110, 113-123. | 0.8 | 96 |
| 85 | HOMAGE TO SANTA ANITA: THERMAL SENSITIVITY OF SPRINT SPEED IN AGAMID LIZARDS. Evolution; International Journal of Organic Evolution, 1983, 37, 1075-1084. | 1.1 | 244 |
| 86 | Parapatry and niche complementarity of Peruvian Desert geckos (Phyllodactylus): the ambiguous role of competition. Oecologia, 1979, 38, 249-259. | 0.9 | 46 |
| 87 | Integrating Thermal Physiology and Ecology of Ectotherms: A Discussion of Approaches. American Zoologist, 1979, 19, 357-366. | 0.7 | 1,173 |
| 88 | Latitudinal Pattern of Between-Altitude Faunal Similarity: Mountains Might be "Higher" in the Tropics. American Naturalist, 1978, 112, 225-229. | 1.0 | 81 |
| 89 | Seasonal Variation in Thermoregulatory Behavior and Body Temperature of Diurnal Kalahari Lizards. Ecology, 1977, 58, 1066-1075. | 1.5 | 221 |
| 90 | Cost and Benefits of Lizard Thermoregulation. Quarterly Review of Biology, 1976, 51, 363-384. | 0.0 | 869 |