

# Joel G Kingsolver

## List of Publications by Year in descending order

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Version: 2024-02-01

135  
papers

11,400  
citations

25034

57  
h-index

30087

103  
g-index

162  
all docs

162  
docs citations

162  
times ranked

9290  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Competing beetles attract egg laying in a hawkmoth. <i>Current Biology</i> , 2022, 32, 861-869.e8.   | 3.9  | 17        |
| 2  | Developmental timing of extreme temperature events (heat waves) disrupts host-parasitoid interactions. <i>Ecology and Evolution</i> , 2022, 12, e8618.   | 1.9  | 8         |
| 3  | Differing thermal sensitivities in a host-parasitoid interaction: High, fluctuating developmental temperatures produce dead wasps and giant caterpillars. <i>Functional Ecology</i> , 2021, 35, 675-685.             | 3.6  | 23        |
| 4  | Responses of <i>Manduca sexta</i> larvae to heat waves. <i>Journal of Experimental Biology</i> , 2021, 224, .  | 1.7  | 11        |
| 5  | Connecting extreme climatic events to changes in ecological interactions. <i>Functional Ecology</i> , 2021, 35, 1382-1384.   | 3.6  | 0         |
| 6  | Evolution of Thermal Sensitivity in Changing and Variable Climates. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2021, 52, 563-586.   | 8.3  | 37        |
| 7  | Rearing temperature and parasitoid load determine host and parasitoid performance in <i>Manduca sexta</i> and <i>Cotesia congregata</i> . <i>Ecological Entomology</i> , 2020, 45, 79-89.                            | 2.2  | 13        |
| 8  | Growth, stress, and acclimation responses to fluctuating temperatures in field and domesticated populations of <i>Manduca sexta</i> . <i>Ecology and Evolution</i> , 2020, 10, 13980-13989.                          | 1.9  | 10        |
| 9  | A Stochastic Model for Predicting Age and Mass at Maturity of Insects. <i>American Naturalist</i> , 2020, 196, 227-240.  | 2.1  | 1         |
| 10 | The ghost of temperature past: interactive effects of previous and current thermal conditions on gene expression in <i>Manduca sexta</i> . <i>Journal of Experimental Biology</i> , 2020, 223, .                     | 1.7  | 7         |
| 11 | Compensating for climate change-induced cue-environment mismatches: evidence for contemporary evolution of a photoperiodic reaction norm in <i>Colias</i> butterflies. <i>Ecology Letters</i> , 2020, 23, 1129-1136. | 6.4  | 8         |
| 12 | Ontogenetic variation in thermal sensitivity shapes insect ecological responses to climate change. <i>Current Opinion in Insect Science</i> , 2020, 41, 17-24.   | 4.4  | 51        |
| 13 | Climate Warming, Resource Availability, and the Metabolic Meltdown of Ectotherms. <i>American Naturalist</i> , 2019, 194, E140-E150.   | 2.1  | 156       |
| 14 | No evidence that warmer temperatures are associated with selection for smaller body sizes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191332.                                     | 2.6  | 35        |
| 15 | Environmental variability shapes evolution, plasticity and biogeographic responses to climate change. <i>Global Ecology and Biogeography</i> , 2019, 28, 1456-1468.  | 5.8  | 21        |
| 16 | Using museum specimens to track morphological shifts through climate change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20170404.                                    | 4.0  | 35        |
| 17 | Response to Comment on "Precipitation drives global variation in natural selection". <i>Science</i> , 2018, 359, .   | 12.6 | 2         |
| 18 | How do phenology, plasticity, and evolution determine the fitness consequences of climate change for montane butterflies?. <i>Evolutionary Applications</i> , 2018, 11, 1231-1244.                                   | 3.1  | 26        |

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|----|---|------|-----------|
| 19 | The analysis and interpretation of critical temperatures. <i>Journal of Experimental Biology</i> , 2018, 221, .   | 1.7  | 46        |
| 20 | Biogeography and phenology of oviposition preference and larval performance of <i>Pieris virginiensis</i> butterflies on native and invasive host plants. <i>Biological Invasions</i> , 2018, 20, 413-422.              | 2.4  | 4         |
| 21 | Variation and Evolution of Function-Valued Traits. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2018, 49, 139-164.   | 8.3  | 34        |
| 22 | Uncertainty in geographical estimates of performance and fitness. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1996-2008.   | 5.2  | 11        |
| 23 | Precipitation drives global variation in natural selection. <i>Science</i> , 2017, 355, 959-962.  | 12.6 | 267       |
| 24 | Quantifying thermal extremes and biological variation to predict evolutionary responses to changing climate. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160147.       | 4.0  | 113       |
| 25 | What Are the Environmental Determinants of Phenotypic Selection? A Meta-analysis of Experimental Studies. <i>American Naturalist</i> , 2017, 190, 363-376.  | 2.1  | 60        |
| 26 | Evolution of plasticity and adaptive responses to climate change along climate gradients. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170386.   | 2.6  | 59        |
| 27 | Insect Development, Thermal Plasticity and Fitness Implications in Changing, Seasonal Environments. <i>Integrative and Comparative Biology</i> , 2017, 57, 988-998.   | 2.0  | 49        |
| 28 | Beyond Thermal Performance Curves: Modeling Time-Dependent Effects of Thermal Stress on Ectotherm Growth Rates. <i>American Naturalist</i> , 2016, 187, 283-294.  | 2.1  | 140       |
| 29 | Errors in meta-analyses of selection. <i>Journal of Evolutionary Biology</i> , 2016, 29, 1905-1906.   | 1.7  | 3         |
| 30 | Morphological and physiological determinants of local adaptation to climate in Rocky Mountain butterflies. , 2016, 4, cow035.   |      | 19        |
| 31 | Historical changes in thermoregulatory traits of alpine butterflies reveal complex ecological and evolutionary responses to recent climate change. <i>Climate Change Responses</i> , 2016, 3, .                         | 2.6  | 13        |
| 32 | Geographic divergence in upper thermal limits across insect life stages: does behavior matter?. <i>Oecologia</i> , 2016, 181, 107-114.  | 2.0  | 26        |
| 33 | Plasticity of upper thermal limits to acute and chronic temperature variation in <i>Manduca sexta</i> larvae. <i>Journal of Experimental Biology</i> , 2016, 219, 1290-4.   | 1.7  | 32        |
| 34 | Growth, developmental and stress responses of larvae of the clouded sulphur butterfly <i>Colias eriphyle</i> to repeated exposure to high, sublethal temperatures. <i>Physiological Entomology</i> , 2015, 40, 189-195. | 1.5  | 8         |
| 35 | An integrated analysis of phenotypic selection on insect body size and development time. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2525-2532.  | 2.3  | 19        |
| 36 | Elevational differences in developmental plasticity determine phenological responses of grasshoppers to recent climate warming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150441.   | 2.6  | 48        |

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|----|---|-----|-----------|
| 37 | Fluctuating temperatures and ectotherm growth: distinguishing non-linear and time-dependent effects. <i>Journal of Experimental Biology</i> , 2015, 218, 2218-25.                             | 1.7 | 132       |
| 38 | Climate variability slows evolutionary responses of <i>Colias</i> butterflies to recent climate change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142470. | 2.6 | 47        |
| 39 | Genetic Variation, Simplicity, and Evolutionary Constraints for Function-Valued Traits. <i>American Naturalist</i> , 2015, 185, E166-E181.  | 2.1 | 15        |
| 40 | Evolutionary Change in Continuous Reaction Norms. <i>American Naturalist</i> , 2014, 183, 453-467.  | 2.1 | 114       |
| 41 | Geographic differences and microevolutionary changes in thermal sensitivity of butterfly larvae in response to climate. <i>Functional Ecology</i> , 2014, 28, 982-989.                        | 3.6 | 49        |
| 42 | Phenotypic clines, energy balances and ecological responses to climate change. <i>Journal of Animal Ecology</i> , 2014, 83, 41-50.  | 2.8 | 48        |
| 43 | New Frontiers for Organismal Biology. <i>BioScience</i> , 2013, 63, 464-471.  | 4.9 | 30        |
| 44 | Ectotherm Thermal Stress and Specialization Across Altitude and Latitude. <i>Integrative and Comparative Biology</i> , 2013, 53, 571-581.   | 2.0 | 52        |
| 45 | Heat stress and the fitness consequences of climate change for terrestrial ectotherms. <i>Functional Ecology</i> , 2013, 27, 1415-1423.   | 3.6 | 325       |
| 46 | Visualizing genetic constraints. <i>Annals of Applied Statistics</i> , 2013, 7, .   | 1.1 | 5         |
| 47 | Science Incubators: Synthesis Centers and Their Role in the Research Ecosystem. <i>PLoS Biology</i> , 2013, 11, e1001468.   | 5.6 | 32        |
| 48 | III.7. Responses to Selection: Natural Populations. , 2013, , 238-246.  |     | 0         |
| 49 | Functional and Phylogenetic Approaches to Forecasting Species' Responses to Climate Change. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2012, 43, 205-226.                  | 8.3 | 181       |
| 50 | Synthetic analyses of phenotypic selection in natural populations: lessons, limitations and future directions. <i>Evolutionary Ecology</i> , 2012, 26, 1101-1118.                             | 1.2 | 234       |
| 51 | Host plant adaptation and the evolution of thermal reaction norms. <i>Oecologia</i> , 2012, 169, 353-360.   | 2.0 | 18        |
| 52 | The demographic impacts of shifts in climate means and extremes on alpine butterflies. <i>Functional Ecology</i> , 2012, 26, 969-977.   | 3.6 | 57        |
| 53 | Direct and indirect phenotypic selection on developmental trajectories in <i>Manduca sexta</i> . <i>Functional Ecology</i> , 2012, 26, 598-607.   | 3.6 | 37        |
| 54 | 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, 10377-10378.           | 7.1 | 71        |

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|----|---|-----|-----------|
| 55 | DARWIN IN THE TWENTY-FIRST CENTURY1. Evolution; International Journal of Organic Evolution, 2011, 65, 2130-2132.  | 2.3 | 0         |
| 56 | Complex Life Cycles and the Responses of Insects to Climate Change. Integrative and Comparative Biology, 2011, 51, 719-732.   | 2.0 | 399       |
| 57 | Phenotypic Selection in Natural Populations: What Limits Directional Selection?. American Naturalist, 2011, 177, 346-357.   | 2.1 | 227       |
| 58 | Host plant quality, selection history and trade-offs shape the immune responses of <i>Manduca sexta</i> . Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 289-297.                                    | 2.6 | 55        |
| 59 | Fitness consequences of host plant choice: a field experiment. Oikos, 2010, 119, 542-550.   | 2.7 | 43        |
| 60 | Evolutionary divergence of field and laboratory populations of <i>Manduca sexta</i> in response to host plant quality. Ecological Entomology, 2010, 35, 166-174.  | 2.2 | 22        |
| 61 | Environmental Dependence of Thermal Reaction Norms: Host Plant Quality Can Reverse the Temperature-Size Rule. American Naturalist, 2010, 175, 1-10.   | 2.1 | 128       |
| 62 | Erroneous Arrhenius: Modified Arrhenius Model Best Explains the Temperature Dependence of Ectotherm Fitness. American Naturalist, 2010, 176, 227-233.   | 2.1 | 86        |
| 63 | Hotter Is Better and Broader: Thermal Sensitivity of Fitness in a Population of Bacteriophages. American Naturalist, 2009, 173, 419-430.  | 2.1 | 112       |
| 64 | EVOLUTION IN A CONSTANT ENVIRONMENT: THERMAL FLUCTUATIONS AND THERMAL SENSITIVITY OF LABORATORY AND FIELD POPULATIONS OF <i>MANDUCA SEXTA</i> . Evolution; International Journal of Organic Evolution, 2009, 63, 537-541. | 2.3 | 110       |
| 65 | The Well-Tempered Biologist. American Naturalist, 2009, 174, 755-768.   | 2.1 | 353       |
| 66 | The <i>Self</i> , Then <i>of</i> Evolution Why Evolution Is True. Jerry A. Coyne . Penguin (Viking), 2009. 304 pp., illus. \$27.95 (ISBN 9780670020539 cloth).. BioScience, 2009, 59, 907-908.                            | 4.9 | 0         |
| 67 | Biomechanical Acclimation: Flying Cold. Current Biology, 2008, 18, R876.  | 3.9 | 0         |
| 68 | Big dams and salmon evolution: changes in thermal regimes and their potential evolutionary consequences. Evolutionary Applications, 2008, 1, 286-299.   | 3.1 | 81        |
| 69 | Evolutionary Divergence in Thermal Sensitivity and Diapause of Field and Laboratory Populations of <i>Manduca sexta</i> . Physiological and Biochemical Zoology, 2007, 80, 473-479.                                       | 1.5 | 40        |
| 70 | Relating Environmental Variation to Selection on Reaction Norms: An Experimental Test. American Naturalist, 2007, 169, 163-174.   | 2.1 | 29        |
| 71 | Variation in growth and instar number in field and laboratory <i>Manduca sexta</i> . Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 977-981.   | 2.6 | 63        |
| 72 | Patterns and Power of Phenotypic Selection in Nature. BioScience, 2007, 57, 561-572.  | 4.9 | 209       |

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|----|--|------|-----------|
| 73 | Rapid population divergence in thermal reaction norms for an invading species: breaking the temperature?size rule. <i>Journal of Evolutionary Biology</i> , 2007, 20, 892-900.                 | 1.7  | 88        |
| 74 | The Genetic Basis of Thermal Reaction Norm Evolution in Lab and Natural Phage Populations. <i>PLoS Biology</i> , 2006, 4, e201.  | 5.6  | 81        |
| 75 | FITNESS CONSEQUENCES OF CHOOSY OVIPOSITION FOR A TIME-LIMITED BUTTERFLY. <i>Ecology</i> , 2006, 87, 395-408.   | 3.2  | 90        |
| 76 | Empirical perspectives on species borders: from traditional biogeography to global change. <i>Oikos</i> , 2005, 108, 58-75.  | 2.7  | 299       |
| 77 | BIOPHYSICS, PHYSIOLOGICAL ECOLOGY, AND CLIMATE CHANGE: Does Mechanism Matter?. <i>Annual Review of Physiology</i> , 2005, 67, 177-201.   | 13.1 | 380       |
| 78 | Variation in Continuous Reaction Norms: Quantifying Directions of Biological Interest. <i>American Naturalist</i> , 2005, 166, 277-289.  | 2.1  | 159       |
| 79 | QUANTITATIVE GENETICS OF CONTINUOUS REACTION NORMS: THERMAL SENSITIVITY OF CATERPILLAR GROWTH RATES. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1521-1529.       | 2.3  | 87        |
| 80 | INDIVIDUAL-LEVEL SELECTION AS A CAUSE OF COPE'S RULE OF PHYLETIC SIZE INCREASE. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1608-1612.                            | 2.3  | 286       |
| 81 | Plasticity of Size and Growth in Fluctuating Thermal Environments: Comparing Reaction Norms and Performance Curves. <i>Integrative and Comparative Biology</i> , 2004, 44, 450-460.            | 2.0  | 100       |
| 82 | Introduction: The Evolution of Morphology, Performance, and Fitness. <i>Integrative and Comparative Biology</i> , 2003, 43, 361-366.   | 2.0  | 91        |
| 83 | Environmental Variation and Selection on Performance Curves. <i>Integrative and Comparative Biology</i> , 2003, 43, 470-477.   | 2.0  | 96        |
| 84 | Plants Versus Animals: Do They Deal with Stress in Different Ways?. <i>Integrative and Comparative Biology</i> , 2002, 42, 415-423.  | 2.0  | 110       |
| 85 | Migration, local adaptation and the evolution of plasticity. <i>Trends in Ecology and Evolution</i> , 2002, 17, 540-541.   | 8.7  | 55        |
| 86 | Variation, selection and evolution of function-valued traits. <i>Genetica</i> , 2001, 112/113, 87-104.   | 1.1  | 117       |
| 87 | Functional and Evolutionary Biology of Insect Flight. <i>BioScience</i> , 2001, 51, 156.   | 4.9  | 1         |
| 88 | Variation, selection and evolution of function-valued traits. <i>Contemporary Issues in Genetics and Evolution</i> , 2001, , 87-104.   | 0.9  | 14        |
| 89 | Effects of weight loading on flight performance and survival of palatable Neotropical <i>Anartia fatima</i> butterflies. <i>Biological Journal of the Linnean Society</i> , 2000, 70, 707-725. | 1.6  | 53        |
| 90 | Stage-specific effects of temperature and dietary protein on growth and survival of <i>Manduca sexta</i> caterpillars. <i>Physiological Entomology</i> , 2000, 25, 35-40.                      | 1.5  | 68        |

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|-----|---|-----|-----------|
| 91  | Feeding, Growth, and the Thermal Environment of Cabbage White Caterpillars, <i>Pieris rapae</i> L.. Physiological and Biochemical Zoology, 2000, 73, 621-628.   | 1.5 | 88        |
| 92  | EXPERIMENTAL ANALYSES OF WING SIZE, FLIGHT, AND SURVIVAL IN THE WESTERN WHITE BUTTERFLY. Evolution; International Journal of Organic Evolution, 1999, 53, 1479-1490.  | 2.3 | 61        |
| 93  | Red-wing blackbird reproductive behaviour and the palatability, flight performance, and morphology of temperate pierid butterflies ( <i>Colias</i> , <i>Pieris</i> , and <i>Pontia</i> ). Biological Journal of the Linnean Society, 1998, 64, 41-55. | 1.6 | 23        |
| 94  | Evolutionary Analyses of Morphological and Physiological Plasticity in Thermally Variable Environments. American Zoologist, 1998, 38, 545-560.  | 0.7 | 251       |
| 95  | Experimental Manipulation of Wing Pigment Pattern and Survival in Western White Butterflies. American Naturalist, 1996, 147, 296-306.   | 2.1 | 57        |
| 96  | ESTIMATING SELECTION ON QUANTITATIVE TRAITS USING CAPTURE-RECAPTURE DATA. Evolution; International Journal of Organic Evolution, 1995, 49, 384-388.   | 2.3 | 50        |
| 97  | VIABILITY SELECTION ON SEASONALLY POLYPHENIC TRAITS: WING MELANIN PATTERN IN WESTERN WHITE BUTTERFLIES. Evolution; International Journal of Organic Evolution, 1995, 49, 932-941.   | 2.3 | 81        |
| 98  | FITNESS CONSEQUENCES OF SEASONAL POLYPHENISM IN WESTERN WHITE BUTTERFLIES. Evolution; International Journal of Organic Evolution, 1995, 49, 942-954.  | 2.3 | 119       |
| 99  | Fitness Consequences of Seasonal Polyphenism in Western White Butterflies. Evolution; International Journal of Organic Evolution, 1995, 49, 942.  | 2.3 | 59        |
| 100 | Viability Selection on Seasonally Polyphenic Traits: Wing Melanin Pattern in Western White Butterflies. Evolution; International Journal of Organic Evolution, 1995, 49, 932.   | 2.3 | 44        |
| 101 | Evolution of Resistance to High Temperature in Ectotherms. American Naturalist, 1993, 142, S21-S46.   | 2.1 | 420       |
| 102 | Monitoring ecological change. Trends in Ecology and Evolution, 1992, 7, 354-355.  | 8.7 | 1         |
| 103 | Wing melanin pattern mediates species recognition in <i>Pieris occidentalis</i> . Animal Behaviour, 1992, 43, 89-94.  | 1.9 | 54        |
| 104 | Path analyses of selection. Trends in Ecology and Evolution, 1991, 6, 276-280.  | 8.7 | 214       |
| 105 | Seasonal Polyphenism in Wing-Melanin Pattern and Thermoregulatory Adaptation in <i>Pieris</i> Butterflies. American Naturalist, 1991, 137, 816-830.   | 2.1 | 117       |
| 106 | DEVELOPMENT, FUNCTION, AND THE QUANTITATIVE GENETICS OF WING MELANIN PATTERN IN <i>PIERIS</i> BUTTERFLIES. Evolution; International Journal of Organic Evolution, 1991, 45, 1480-1492.  | 2.3 | 54        |
| 107 | Mechanical determinants of nectar-feeding energetics in butterflies: muscle mechanics, feeding geometry, and functional equivalence. Oecologia, 1989, 79, 66-75.  | 2.0 | 46        |
| 108 | Selective factors in the evolution of insect wings: response to Kukulov-Åi-Peck. Canadian Journal of Zoology, 1989, 67, 785-787.  | 1.0 | 8         |

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|-----|--|-----|-----------|
| 109 | The carnivorous plants. <i>Trends in Ecology and Evolution</i> , 1989, 4, 308-309.   | 8.7 | 0         |
| 110 | Evolution of thermal sensitivity of ectotherm performance. <i>Trends in Ecology and Evolution</i> , 1989, 4, 131-135.  | 8.7 | 1,027     |
| 111 | Weather and the Population Dynamics of Insects: Integrating Physiological and Population Ecology. <i>Physiological Zoology</i> , 1989, 62, 314-334.  | 1.5 | 170       |
| 112 | Calow, P. (ed.). 1987. <i>Evolutionary Physiological Ecology</i> . Cambridge University Press, \$ 34.50; f 22.50.. <i>Journal of Evolutionary Biology</i> , 1988, 1, 371-371.  | 1.7 | 0         |
| 113 | Thermoregulation, Flight, and the Evolution of Wing Pattern in Pierid Butterflies: The Topography of Adaptive Landscapes. <i>American Zoologist</i> , 1988, 28, 899-912.   | 0.7 | 51        |
| 114 | Some New Directions for Animal Ecological Physiology- Five Views: Evolutionary Physiology: Where's the Ecology?. <i>Ecology</i> , 1988, 69, 1645-1645.   | 3.2 | 1         |
| 115 | Mosquito Host Choice and the Epidemiology of Malaria. <i>American Naturalist</i> , 1987, 130, 811-827.   | 2.1 | 107       |
| 116 | EVOLUTION AND COADAPTATION OF THERMOREGULATORY BEHAVIOR AND WING PIGMENTATION PATTERN IN PIERID BUTTERFLIES. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 472-490.                       | 2.3 | 98        |
| 117 | DISSECTING CORRELATED CHARACTERS: ADAPTIVE ASPECTS OF PHENOTYPIC COVARIATION IN MELANIZATION PATTERN OF <i>PIERIS</i> BUTTERFLIES. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 491-503. | 2.3 | 44        |
| 118 | Thermal physiological ecology of <i>Colias</i> butterflies in flight. <i>Oecologia</i> , 1986, 69, 161-170.  | 2.0 | 55        |
| 119 | Thermal ecology of <i>Pieris</i> butterflies (Lepidoptera: Pieridae): a new mechanism of behavioral thermoregulation. <i>Oecologia</i> , 1985, 66, 540-545.  | 2.0 | 64        |
| 120 | Thermoregulatory significance of wing melanization in <i>Pieris</i> butterflies (Lepidoptera: Pieridae): physics, posture, and pattern. <i>Oecologia</i> , 1985, 66, 546-553.  | 2.0 | 68        |
| 121 | Butterfly Engineering. <i>Scientific American</i> , 1985, 253, 106-113.  | 1.0 | 23        |
| 122 | Mechanistic Constraints and Optimality Models: Thermoregulatory Strategies in <i>Colias</i> Butterflies. <i>Ecology</i> , 1984, 65, 1835-1839.   | 3.2 | 54        |
| 123 | Mechanical determinants of nectar feeding strategy in hummingbirds: energetics, tongue morphology, and licking behavior. <i>Oecologia</i> , 1983, 60, 214-226.   | 2.0 | 105       |
| 124 | Feeding strategy and the mechanics of blood sucking in insects. <i>Journal of Theoretical Biology</i> , 1983, 105, 661-677.  | 1.7 | 69        |
| 125 | Thermoregulation and Flight in <i>Colias</i> Butterflies: Elevational Patterns and Mechanistic Limitations. <i>Ecology</i> , 1983, 64, 534-545.  | 3.2 | 197       |
| 126 | Ecological Significance of Flight Activity in <i>Colias</i> Butterflies: Implications for Reproductive Strategy and Population Structure. <i>Ecology</i> , 1983, 64, 546-551.  | 3.2 | 130       |



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|-----|--|-----|-----------|
| 127 | Thermoregulatory Strategies in Colias Butterflies: Thermal Stress and the Limits to Adaptation in Temporally Varying Environments. <i>American Naturalist</i> , 1983, 121, 32-55.                                      | 2.1 | 189       |
| 128 | Thermoregulation and the determinants of heat transfer in Colias butterflies. <i>Oecologia</i> , 1982, 53, 27-33.  | 2.0 | 69        |
| 129 | Insect Thermoregulation Bernard Heinrich. <i>BioScience</i> , 1981, 31, 776-776.   | 4.9 | 0         |
| 130 | The effect of environmental uncertainty on morphological design and fluid balance in <i>Sarracenia purpurea</i> L.. <i>Oecologia</i> , 1981, 48, 364-370.  | 2.0 | 14        |
| 131 | Thermal and Hydric Aspects of Environmental Heterogeneity in the Pitcher Plant Mosquito. <i>Ecological Monographs</i> , 1979, 49, 357-376.   | 5.4 | 88        |
| 132 | The Interaction of <i>Xyleborus ferrugineus</i> (Coleoptera: Scolytidae) Behavior and Initial Reproduction in Relation to Its Symbiotic Fungi1. <i>Annals of the Entomological Society of America</i> , 1977, 70, 1-4. | 2.5 | 22        |
| 133 | Morphology and development rates of males and females of <i>Xyleborus ferrugineus</i> (Fabr.) (Coleoptera) Tj ETQq1 1 0.784314 <sub>3</sub> rgBT /Overlock   | 0.4 | 3         |
| 134 | THE INTERACTION OF THE FEMALE AMBROSIA BEETLE, <i>XYLEBORUS FERRUGINEUS</i> (COLEOPTERA:) Tj ETQq0 0 0 rgBT /Overlock<br>Experimentalis Et Applicata, 1977, 21, 9-13.  | 1.4 | 6         |
| 135 | External morphology of <i>Xyleborus ferrugineus</i> (Fabr.) (Coleoptera: Scolytidae). I. Head and prothorax of adult males and females. <i>Journal of Morphology</i> , 1977, 154, 147-156.                             | 1.2 | 8         |