

Anne M Bronikowski

List of Publications by Year in descending order

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89
papers

4,667
citations

81900

39
h-index

110387

64
g-index

90
all docs

90
docs citations

90
times ranked

4844
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint estimation of growth and survival from mark-recapture data to improve estimates of senescence in wild populations: Reply. <i>Ecology</i> , 2022, 103, e03571.	3.2	2
2	Temperature dependence of metabolism and fuel selection from cells to whole organisms. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2022, 337, 199-205.	1.9	2
3	Sex-specific aging in animals: Perspective and future directions. <i>Aging Cell</i> , 2022, 21, e13542.	6.7	36
4	Over a decade of field physiology reveals life-history specific strategies to drought in garter snakes (<i>Tj ETQqO O O rgBT /Overlock 10 Tf 20212187.</i>	2.6	3
5	Female reproductive aging in seven primate species: Patterns and consequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117669119.	7.1	20
6	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. <i>Science</i> , 2022, 376, 1459-1466.	12.6	34
7	Current and time-lagged effects of climate on innate immunity in two sympatric snake species. <i>Ecology and Evolution</i> , 2021, 11, 3239-3250.	1.9	7
8	Surviving winter: Physiological regulation of energy balance in a temperate ectotherm entering and exiting brumation. <i>General and Comparative Endocrinology</i> , 2021, 307, 113758.	1.8	16
9	Multiple Paternity in Garter Snakes With Evolutionarily Divergent Life Histories. <i>Journal of Heredity</i> , 2021, 112, 508-518.	2.4	0
10	Movement modeling and patterns of within- and among-individual behavioral variation across time scales in neonate garter snakes (<i>Thamnophis elegans</i>). <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	1.4	0
11	The utility of reptile blood transcriptomes in molecular ecology. <i>Molecular Ecology Resources</i> , 2020, 20, 308-317.	4.8	17
12	The untapped potential of reptile biodiversity for understanding how and why animals age. <i>Functional Ecology</i> , 2020, 34, 38-54.	3.6	44
13	Joint estimation of growth and survival from mark-recapture data to improve estimates of senescence in wild populations. <i>Ecology</i> , 2020, 101, e02877.	3.2	20
14	The conundrum of human immune system "senescence". <i>Mechanisms of Ageing and Development</i> , 2020, 192, 111357.	4.6	64
15	Lack of consensus on an aging biology paradigm? A global survey reveals an agreement to disagree, and the need for an interdisciplinary framework. <i>Mechanisms of Ageing and Development</i> , 2020, 191, 111316.	4.6	67
16	Mitochondria as central characters in a complex narrative: Linking genomics, energetics, pace-of-life, and aging in natural populations of garter snakes. <i>Experimental Gerontology</i> , 2020, 137, 110967.	2.8	14
17	Immunosenescence and its influence on reproduction in a long-lived vertebrate. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	7
18	Genetic background and thermal environment differentially influence the ontogeny of immune components during early life in an ectothermic vertebrate. <i>Journal of Animal Ecology</i> , 2020, 89, 1883-1894.	2.8	10

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19	Effects of early nutritional stress on physiology, life-histories and their trade-offs in a model ectothermic vertebrate. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	12
20	AGA2017: Evolutionary Quantitative Genetics in the Wild. <i>Journal of Heredity</i> , 2019, 110, 381-382.	2.4	0
21	Contrasting Patterns of Rapid Molecular Evolution within the <i>p53</i> Network across Mammal and Sauropsid Lineages. <i>Genome Biology and Evolution</i> , 2019, 11, 629-643.	2.5	7
22	The diversity of population responses to environmental change. <i>Ecology Letters</i> , 2019, 22, 342-353.	6.4	52
23	Use of field-portable ultrasonography reveals differences in developmental phenology and maternal egg provisioning in two sympatric viviparous snakes. <i>Ecology and Evolution</i> , 2018, 8, 3330-3340.	1.9	7
24	Among-individual heterogeneity in maternal behaviour and physiology affects reproductive allocation and offspring life-history traits in the garter snake <i>Thamnophis elegans</i> . <i>Oikos</i> , 2018, 127, 705-718.	2.7	18
25	Molecular Adaptations for Sensing and Securing Prey and Insight into Amniote Genome Diversity from the Garter Snake Genome. <i>Genome Biology and Evolution</i> , 2018, 10, 2110-2129.	2.5	72
26	Sex-specific growth, shape, and their impacts on the life history of a long-lived vertebrate. <i>Evolutionary Ecology Research</i> , 2018, 19, 639-657.	2.0	7
27	Age-Related Changes in Locomotor Performance Reveal a Similar Pattern for <i>Caenorhabditis elegans</i> , <i>Mus domesticus</i> , <i>Canis familiaris</i> , <i>Equus caballus</i> , and <i>Homo sapiens</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw136.	3.6	26
28	Geographic variation and within-individual correlations of physiological stress markers in a widespread reptile, the common garter snake (<i>Thamnophis sirtalis</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 205, 68-76.	1.8	35
29	Merging the "Morphology" Performance-Fitness Paradigm and Life-History Theory in the Eagle Lake Garter Snake Research Project. <i>Integrative and Comparative Biology</i> , 2017, 57, 423-435.	2.0	16
30	Physiology at near-critical temperatures, but not critical limits, varies between two lizard species that partition the thermal environment. <i>Journal of Animal Ecology</i> , 2017, 86, 1510-1522.	2.8	18
31	Vertical Transmission of <i>Hepatozoon</i> in the Garter Snake <i>Thamnophis elegans</i> . <i>Journal of Wildlife Diseases</i> , 2017, 53, 121-125.	0.8	13
32	Immune variation during pregnancy suggests immune component-specific costs of reproduction in a viviparous snake with disparate life-history strategies. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2017, 327, 513-522.	1.9	18
33	Female and male life tables for seven wild primate species. <i>Scientific Data</i> , 2016, 3, 160006.	5.3	66
34	Insulin-like signaling (IIS) responses to temperature, genetic background, and growth variation in garter snakes with divergent life histories. <i>General and Comparative Endocrinology</i> , 2016, 233, 88-99.	1.8	22
35	Decades of field data reveal that turtles senesce in the wild. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6502-6507.	7.1	79
36	The emergence of longevous populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7681-E7690.	7.1	119

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37	Hormonal and metabolic responses to upper temperature extremes in divergent life-history ecotypes of a garter snake. <i>Journal of Experimental Biology</i> , 2016, 219, 2944-2954.	1.7	32
38	Evolution and Function of the Insulin and Insulin-like Signaling Network in Ectothermic Reptiles: Some Answers and More Questions. <i>Integrative and Comparative Biology</i> , 2016, 56, 171-184.	2.0	35
39	Oxidative stress and life histories: unresolved issues and current needs. <i>Ecology and Evolution</i> , 2015, 5, 5745-5757.	1.9	169
40	Rapid molecular evolution across amniotes of the IIS/TOR network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7055-7060.	7.1	59
41	Effects of a novel climate on stress response and immune function in painted turtles (<i>Chrysemys</i>). <i>Journal of Experimental Biology</i> , 2015, 228, 1-12.	1.2	29
42	Developmental and Immediate Thermal Environments Shape Energetic Trade-Offs, Growth Efficiency, and Metabolic Rate in Divergent Life-History Ecotypes of the Garter Snake <i>Thamnophis elegans</i> . <i>Physiological and Biochemical Zoology</i> , 2015, 88, 550-563.	1.5	26
43	Mitochondrial divergence between slow- and fast-aging garter snakes. <i>Experimental Gerontology</i> , 2015, 71, 135-146.	2.8	15
44	Comparative cellular biogerontology: Where do we stand?. <i>Experimental Gerontology</i> , 2015, 71, 109-117.	2.8	20
45	Physiological indices of stress in wild and captive garter snakes: Correlations, repeatability, and ecological variation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 174, 11-17.	1.8	31
46	Gene expression of components of the insulin/insulin-like signaling pathway in response to heat stress in the garter snake, <i>Thamnophis elegans</i> . <i>Journal of the Iowa Academy of Science</i> , 2014, 121, 1-4.	0.5	3
47	The western painted turtle genome, a model for the evolution of extreme physiological adaptations in a slowly evolving lineage. <i>Genome Biology</i> , 2013, 14, R28.	9.6	276
48	The Burmese python genome reveals the molecular basis for extreme adaptation in snakes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20645-20650.	7.1	260
49	Dissecting molecular stress networks: identifying nodes of divergence between life-history phenotypes. <i>Molecular Ecology</i> , 2013, 22, 739-756.	3.9	42
50	Reproductive aging patterns in primates reveal that humans are distinct. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13440-13445.	7.1	125
51	Gene expression profiling of gastrocnemius of <i>Caenorhabditis elegans</i> mice. <i>Physiological Genomics</i> , 2013, 45, 228-236.	2.3	11
52	Complex Interplay of Body Condition, Life History, and Prevailing Environment Shapes Immune Defenses of Garter Snakes in the Wild. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 547-558.	1.5	26
53	Report from the First Snake Genomics and Integrative Biology Meeting. <i>Standards in Genomic Sciences</i> , 2012, 7, 150-152.	1.5	4
54	Corticosterone and pace of life in two life-history ecotypes of the garter snake <i>Thamnophis elegans</i> . <i>General and Comparative Endocrinology</i> , 2012, 175, 443-448.	1.8	52

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55	Rates of molecular evolution vary in vertebrates for insulin-like growth factor-1 (IGF-1), a pleiotropic locus that regulates life history traits. <i>General and Comparative Endocrinology</i> , 2012, 178, 164-173.	1.8	29
56	Pleistocene and ecological effects on continental-scale genetic differentiation in the bobcat (<i>Lynx t. baileyi</i>). <i>Journal of Biogeography</i> , 2011, 38, 100-110.	3.9	55
57	Stochastic population dynamics in populations of western terrestrial garter snakes with divergent life histories. <i>Ecology</i> , 2011, 92, 1658-1671.	3.2	50
58	Low Demographic Variability in Wild Primate Populations: Fitness Impacts of Variation, Covariation, and Serial Correlation in Vital Rates. <i>American Naturalist</i> , 2011, 177, E14-E28.	2.1	91
59	Aging in the Natural World: Comparative Data Reveal Similar Mortality Patterns Across Primates. <i>Science</i> , 2011, 331, 1325-1328.	12.6	204
60	Sequencing the genome of the Burmese python (<i>Python molurus bivittatus</i>) as a model for studying extreme adaptations in snakes. <i>Genome Biology</i> , 2011, 12, 406.	9.6	58
61	A proposal to sequence the genome of a garter snake (<i>Thamnophis sirtalis</i>). <i>Standards in Genomic Sciences</i> , 2011, 4, 257-270.	1.5	31
62	Developmental plasticity of immune defence in two life-history ecotypes of the garter snake, <i>Thamnophis elegans</i> - a common-environment experiment. <i>Journal of Animal Ecology</i> , 2011, 80, 431-437.	2.8	42
63	State-dependent physiological maintenance in a long-lived ectotherm, the painted turtle (<i>Chrysemys picta</i>). <i>Journal of Experimental Biology</i> , 2011, 214, 88-97.	1.7	47
64	Molecular stress pathways and the evolution of life histories in reptiles. <i>Journal of Herpetology</i> , 2011, 45, 193-209.		13
65	A garter snake transcriptome: pyrosequencing, de novo assembly, and sex-specific differences. <i>BMC Genomics</i> , 2010, 11, 694.	2.8	60
66	Metabolism, Body Size and Life Span: A Case Study in Evolutionarily Divergent Populations of the Garter Snake (<i>Thamnophis elegans</i>). <i>Integrative and Comparative Biology</i> , 2010, 50, 880-887.	2.0	41
67	Evolution of Senescence in Nature: Physiological Evolution in Populations of Garter Snake with Divergent Life Histories. <i>American Naturalist</i> , 2010, 175, 147-159.	2.1	89
68	The Primate Life History Database: a unique shared ecological data resource. <i>Methods in Ecology and Evolution</i> , 2010, 1, 199-211.	5.2	109
69	Influences of Diet and Family on Age of Maturation in Brown House Snakes, <i>Lamprophis fuliginosus</i> . <i>Herpetologica</i> , 2010, 66, 456-463.	0.4	8
70	The effects of maternal corticosterone levels on offspring behavior in fast- and slow-growth garter snakes (<i>Thamnophis elegans</i>). <i>Hormones and Behavior</i> , 2009, 55, 24-32.	2.1	69
71	Evolutionary ecology of endocrine-mediated life-history variation in the garter snake <i>Thamnophis elegans</i> . <i>Ecology</i> , 2009, 90, 720-728.	3.2	55
72	The evolution of aging phenotypes in snakes: a review and synthesis with new data. <i>Age</i> , 2008, 30, 169-176.	3.0	61

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73	An empirical test of evolutionary theories for reproductive senescence and reproductive effort in the garter snake <i>Thamnophis elegans</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 943-950.	2.6	87
74	Testing the "free radical theory of aging" hypothesis: physiological differences in long-lived and short-lived colubrid snakes. <i>Aging Cell</i> , 2007, 6, 395-404.	6.7	67
75	Gene array profiling of large hypothalamic CNS regions in lactating and randomly cycling virgin mice. <i>Molecular Brain Research</i> , 2005, 139, 201-211.	2.3	24
76	Testing evolutionary theories of aging in wild populations. <i>Trends in Ecology and Evolution</i> , 2005, 20, 271-273.	8.7	115
77	Lifelong voluntary exercise in the mouse prevents age-related alterations in gene expression in the heart. <i>Physiological Genomics</i> , 2003, 12, 129-138.	2.3	88
78	The aging baboon: Comparative demography in a non-human primate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9591-9595.	7.1	181
79	POPULATION-DYNAMIC CONSEQUENCES OF PREDATOR-INDUCED LIFE HISTORY VARIATION IN THE GUPPY (<i>POECILIA RETICULATA</i>). <i>Ecology</i> , 2002, 83, 2194-2204.	3.2	41
80	Lifespan in captive baboons is heritable. <i>Mechanisms of Ageing and Development</i> , 2002, 123, 1461-1467.	4.6	75
81	Antioxidant Gene Expression in Active and Sedentary House Mice (<i>Mus domesticus</i>) Selected for High Voluntary Wheel-Running Behavior. <i>Genetics</i> , 2002, 161, 1763-1769.	2.9	15
82	Open-field behavior of house mice selectively bred for high voluntary wheel-running. <i>Behavior Genetics</i> , 2001, 31, 309-316.	2.1	83
83	Cytochrome b Phylogeny Does Not Match Subspecific Classification in the Western Terrestrial Garter Snake, <i>Thamnophis elegans</i> . <i>Copeia</i> , 2001, 2001, 508-513.	1.3	14
84	EXPERIMENTAL EVIDENCE FOR THE ADAPTIVE EVOLUTION OF GROWTH RATE IN THE GARTER SNAKE <i>THAMNOPHIS ELEGANS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2000, 54, 1760-1767.	2.3	135
85	EXPERIMENTAL EVIDENCE FOR THE ADAPTIVE EVOLUTION OF GROWTH RATE IN THE GARTER SNAKE <i>THAMNOPHIS ELEGANS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2000, 54, 1760.	2.3	13
86	The Evolutionary Ecology of Life History Variation in the Garter Snake <i>Thamnophis elegans</i> . <i>Ecology</i> , 1999, 80, 2314.	3.2	42
87	THE EVOLUTIONARY ECOLOGY OF LIFE HISTORY VARIATION IN THE GARTER SNAKE <i>THAMNOPHIS ELEGANS</i> . <i>Ecology</i> , 1999, 80, 2314-2325.	3.2	145
88	Survivorship of Aerially-Exposed Zebra Mussels (<i>Dreissena polymorpha</i>) under Laboratory Conditions. <i>Journal of Freshwater Ecology</i> , 1999, 14, 511-517.	1.2	19
89	Foraging in a variable environment: weather patterns and the behavioral ecology of baboons. <i>Behavioral Ecology and Sociobiology</i> , 1996, 39, 11-25.	1.4	245