

# Peter A Biro

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

5,732  
citations

126907

33  
h-index

110387

64  
g-index

67  
all docs

67  
docs citations

67  
times ranked

4675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Are animal personality traits linked to life-history productivity?. Trends in Ecology and Evolution, 2008, 23, 361-368.	8.7	945
2	Do consistent individual differences in metabolic rate promote consistent individual differences in behavior?. Trends in Ecology and Evolution, 2010, 25, 653-659.	8.7	689
3	Rapid depletion of genotypes with fast growth and bold personality traits from harvested fish populations. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2919-2922.	7.1	355
4	Small within-day increases in temperature affects boldness and alters personality in coral reef fish. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 71-77.	2.6	285
5	Sampling bias resulting from animal personality. Trends in Ecology and Evolution, 2009, 24, 66-67.	8.7	268
6	Predators select against high growth rates and risk-taking behaviour in domestic trout populations. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 2233-2237.	2.6	265
7	Unpredictable animals: individual differences in intraindividual variability (IIV). Animal Behaviour, 2012, 83, 1325-1334.	1.9	250
8	Over-winter lipid depletion and mortality of age-0 rainbow trout ( <i>Oncorhynchus mykiss</i> ). Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 1513-1519.	1.4	218
9	Behavioural trade-offs between growth and mortality explain evolution of submaximal growth rates. Journal of Animal Ecology, 2006, 75, 1165-1171.	2.8	187
10	How does temperature affect behaviour? Multilevel analysis of plasticity, personality and predictability in hermit crabs. Animal Behaviour, 2013, 86, 47-54.	1.9	141
11	Boldness, trappability and sampling bias in wild lizards. Animal Behaviour, 2012, 83, 1051-1058.	1.9	140
12	Predictability as a Personality Trait: Consistent Differences in Intraindividual Behavioral Variation. American Naturalist, 2013, 182, 621-629.	2.1	129
13	FROM INDIVIDUALS TO POPULATIONS: PREY FISH RISK-TAKING MEDIATES MORTALITY IN WHOLE-SYSTEM EXPERIMENTS. Ecology, 2003, 84, 2419-2431.	3.2	114
14	Using repeatability to study physiological and behavioural traits: ignore time-related change at your peril. Animal Behaviour, 2015, 105, 223-230.	1.9	113
15	Ontogeny of energy allocation reveals selective pressure promoting risk-taking behaviour in young fish cohorts. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1443-1448.	2.6	107
16	Mechanisms for climate-induced mortality of fish populations in whole-lake experiments. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9715-9719.	7.1	84
17	Do rapid assays predict repeatability in labile (behavioural) traits?. Animal Behaviour, 2012, 83, 1295-1300.	1.9	77
18	Personality and individual differences in plasticity. Current Opinion in Behavioral Sciences, 2016, 12, 18-23.	3.9	69

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19	Are most samples of animals systematically biased? Consistent individual trait differences bias samples despite random sampling. <i>Oecologia</i> , 2013, 171, 339-345.	2.0	68
20	Staying Cool: Behavioral Thermoregulation during Summer by Young-of-Year Brook Trout in a Lake. <i>Transactions of the American Fisheries Society</i> , 1998, 127, 212-222.	1.4	64
21	Individual and sex-specific differences in intrinsic growth rate covary with consistent individual differences in behaviour. <i>Journal of Animal Ecology</i> , 2014, 83, 1186-1195.	2.8	61
22	On the Validity of a Single (Boldness) Assay in Personality Research. <i>Ethology</i> , 2013, 119, 937-947.	1.1	60
23	Individual (co)variation in thermal reaction norms of standard and maximal metabolic rates in wild-caught slimy salamanders. <i>Functional Ecology</i> , 2014, 28, 1175-1186.	3.6	56
24	POPULATION CONSEQUENCES OF A PREDATOR-INDUCED HABITAT SHIFT BY TROUT IN WHOLE-LAKE EXPERIMENTS. <i>Ecology</i> , 2003, 84, 691-700.	3.2	55
25	Fishing directly selects on growth rate via behaviour: implications of growth-selection that is independent of size. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142283.	2.6	50
26	On the use of rapid assays in personality research: a response to Edwards et al.. <i>Animal Behaviour</i> , 2013, 86, e1-e3.	1.9	48
27	Metabolic Scope as a Proximate Constraint on Individual Behavioral Variation: Effects on Personality, Plasticity, and Predictability. <i>American Naturalist</i> , 2018, 192, 142-154.	2.1	47
28	Cancer: A disease at the crossroads of trade-offs. <i>Evolutionary Applications</i> , 2017, 10, 215-225.	3.1	46
29	Is behavioural plasticity consistent across different environmental gradients and through time?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170893.	2.6	43
30	Cancer and life-history traits: lessons from host-parasite interactions. <i>Parasitology</i> , 2016, 143, 533-541.	1.5	40
31	Curvilinear telomere length dynamics in a squamate reptile. <i>Functional Ecology</i> , 2017, 31, 753-759.	3.6	39
32	Density-dependent mortality is mediated by foraging activity for prey fish in whole-lake experiments. <i>Journal of Animal Ecology</i> , 2003, 72, 546-555.	2.8	38
33	Towards powerful experimental and statistical approaches to study intraindividual variability in labile traits. <i>Royal Society Open Science</i> , 2016, 3, 160352.	2.4	37
34	The importance of cancer cells for animal evolutionary ecology. <i>Nature Ecology and Evolution</i> , 2017, 1, 1592-1595.	7.8	37
35	Individual variation in thermal performance curves: swimming burst speed and jumping endurance in wild-caught tropical clawed frogs. <i>Oecologia</i> , 2014, 175, 471-480.	2.0	33
36	Direct manipulation of behaviour reveals a mechanism for variation in growth and mortality among prey populations. <i>Animal Behaviour</i> , 2007, 73, 891-896.	1.9	29

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37	Individual boldness traits influenced by temperature in male Siamese fighting fish. <i>Physiology and Behavior</i> , 2016, 165, 267-272.	2.1	28
38	Estimation of gillnet efficiency and selectivity across multiple sampling units: A hierarchical Bayesian analysis using mark-recapture data. <i>Fisheries Research</i> , 2007, 83, 162-174.	1.7	27
39	Integration of physiology, behaviour and life history traits: personality and pace of life in a marine gastropod. <i>Animal Behaviour</i> , 2020, 163, 155-162.	1.9	26
40	The Central-Place Territorial Model Does Not Apply to Space-Use by Juvenile Brook Charr <i>Salvelinus fontinalis</i> in Lakes. <i>Journal of Animal Ecology</i> , 1997, 66, 837.	2.8	25
41	The influence of environmental gradients on individual behaviour: Individual plasticity is consistent across risk and temperature gradients. <i>Journal of Animal Ecology</i> , 2019, 88, 511-520.	2.8	24
42	Understanding the unexplained: The magnitude and correlates of individual differences in residual variance. <i>Ecology and Evolution</i> , 2021, 11, 7201-7210.	1.9	24
43	Individual Variation in Foraging Movements in a Lake Population of Young-of-the-Year Brook Charr ( <i>Salvelinus Fontinalis</i> ). <i>Behaviour</i> , 1995, 132, 57-74.	0.8	22
44	Extreme boldness precedes starvation mortality in six-lined trumpeter ( <i>Pelateses lineatus</i> ). <i>Hydrobiologia</i> , 2009, 635, 395-398.	2.0	22
45	Chronic exposure to increased water temperature reveals few impacts on stress physiology and growth responses in juvenile Atlantic salmon. <i>Aquaculture</i> , 2018, 495, 196-204.	3.5	21
46	Bayesian updating during development predicts genotypic differences in plasticity. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 2167-2180.	2.3	17
47	Temporal autocorrelation: a neglected factor in the study of behavioral repeatability and plasticity. <i>Behavioral Ecology</i> , 0, , .	2.2	17
48	Asymmetric impact of piscivorous birds on size-structured fish populations. <i>Canadian Journal of Zoology</i> , 2006, 84, 1584-1593.	1.0	16
49	Hierarchical analysis of avian re-nesting behavior: mean, across-individual, and intra-individual responses. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 1631-1638.	1.4	16
50	Stress-induced peak (but not resting) metabolism correlates with mating display intensity in male guppies. <i>Ecology and Evolution</i> , 2016, 6, 6537-6545.	1.9	15
51	Cancer Is Not (Only) a Senescence Problem. <i>Trends in Cancer</i> , 2018, 4, 169-172.	7.4	15
52	Meta-analytic insights into factors influencing the repeatability of hormone levels in agricultural, ecological, and medical fields. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 316, R101-R109.	1.8	14
53	Behavioral, energetic, and color trait integration in male guppies: testing the melanocortin hypothesis. <i>Behavioral Ecology</i> , 2019, 30, 1539-1547.	2.2	13
54	Changes in diet associated with cancer: An evolutionary perspective. <i>Evolutionary Applications</i> , 2017, 10, 651-657.	3.1	11

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55	Spontaneous activity rates and resting metabolism: Support for the allocation model of energy management at the among-individual level. <i>Ethology</i> , 2020, 126, 32-39.	1.1	11
56	Can Energetic Capacity Help Explain Why Physical Activity Reduces Cancer Risk?. <i>Trends in Cancer</i> , 2020, 6, 829-837.	7.4	11
57	Rare and unique adaptations to cancer in domesticated species: An untapped resource?. <i>Evolutionary Applications</i> , 2020, 13, 1605-1614.	3.1	11
58	Avian nest abandonment prior to laying—a strategy to minimize predation risk?. <i>Journal of Ornithology</i> , 2017, 158, 1091-1098.	1.1	10
59	Obesity paradox in cancer: Is bigger really better?. <i>Evolutionary Applications</i> , 2019, 12, 1092-1095.	3.1	10
60	Ecological and Evolutionary Consequences of Anticancer Adaptations. <i>IScience</i> , 2020, 23, 101716.	4.1	10
61	Repeatability of Foraging Tactics in Young Brook Trout, <i>Salvelinus fontinalis</i> ; Canadian Field-Naturalist, 2008, 122, 40.	0.1	8
62	Cancer Susceptibility as a Cost of Reproduction and Contributor to Life History Evolution. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	2.2	6
63	Weak evidence that asset protection underlies temporal or contextual consistency in boldness of a terrestrial crustacean. <i>Behavioral Ecology and Sociobiology</i> , 2022, 76, .	1.4	6
64	A novel perspective suggesting high sustained energy expenditure may be net protective against cancer. <i>Evolution, Medicine and Public Health</i> , 2022, 10, 170-176.	2.5	5
65	Autumn lipid reserves, overwinter lipid depletion, and high winter mortality of rainbow trout in experimental lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 738-743.	1.4	3
66	Macronutrient composition and availability affects repeatability of fly activity through changes in among- and within-individual (residual) variation. <i>Evolutionary Ecology</i> , 2021, 35, 387-399.	1.2	1