

Jonathan D Blount

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

6,644
citations

87888

38
h-index

64796

79
g-index

103
all docs

103
docs citations

103
times ranked

6041
citing authors

#	ARTICLE	IF	CITATIONS
1	Telomere length in early life predicts lifespan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1743-1748.	7.1	722
2	Carry-over effects as drivers of fitness differences in animals. <i>Journal of Animal Ecology</i> , 2011, 80, 4-18.	2.8	670
3	Carotenoid Modulation of Immune Function and Sexual Attractiveness in Zebra Finches. <i>Science</i> , 2003, 300, 125-127.	12.6	597
4	Oxidative damage, ageing, and life-history evolution: where now?. <i>Trends in Ecology and Evolution</i> , 2012, 27, 570-577.	8.7	286
5	Carotenoids and egg quality in the lesser black-backed gull <i>Larus fuscus</i> : a supplemental feeding study of maternal effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 29-36.	2.6	267
6	Why egg yolk is yellow. <i>Trends in Ecology and Evolution</i> , 2000, 15, 47-49.	8.7	255
7	Neonatal nutrition, adult antioxidant defences and sexual attractiveness in the zebra finch. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1691-1696.	2.6	186
8	Life history correlates of oxidative damage in a free-living mammal population. <i>Functional Ecology</i> , 2009, 23, 809-817.	3.6	169
9	Oxidative stress and life histories: unresolved issues and current needs. <i>Ecology and Evolution</i> , 2015, 5, 5745-5757.	1.9	169
10	Oxidative shielding and the cost of reproduction. <i>Biological Reviews</i> , 2016, 91, 483-497.	10.4	143
11	Corticosterone mediates the condition-dependent component of melanin-based coloration. <i>Animal Behaviour</i> , 2008, 75, 1351-1358.	1.9	135
12	Carotenoids and life-history evolution in animals. <i>Archives of Biochemistry and Biophysics</i> , 2004, 430, 10-15.	3.0	134
13	Sperm of colourful males are better protected against oxidative stress. <i>Ecology Letters</i> , 2010, 13, 213-222.	6.4	131
14	Carotenoids, oxidative stress and female mating preference for longer lived males. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1591-1596.	2.6	117
15	Warning displays may function as honest signals of toxicity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 871-877.	2.6	112
16	Antioxidants, showy males and sperm quality. <i>Ecology Letters</i> , 2001, 4, 393-396.	6.4	109
17	Strength and cost of an induced immune response are associated with a heritable melanin-based colour trait in female tawny owls. <i>Journal of Animal Ecology</i> , 2009, 78, 608-616.	2.8	107
18	Egg-laying capacity is limited by carotenoid pigment availability in wild gulls <i>Larus fuscus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S79-81.	2.6	104

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19	Carotenoid discrimination by the avian embryo: a lesson from wild birds. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001, 128, 743-750.	1.6	93
20	Does oxidative stress mediate the trade-off between growth and self-maintenance in structured families?. <i>Functional Ecology</i> , 2010, 24, 365-373.	3.6	87
21	Patterns of yolk enrichment with dietary carotenoids in gulls: the roles of pigment acquisition and utilization. <i>Functional Ecology</i> , 2002, 16, 445-453.	3.6	85
22	Honest sexual signalling mediated by parasite and testosterone effects on oxidative balance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1093-1100.	2.6	80
23	Do individual branches of immune defence correlate? A comparative case study of scavenging and non-scavenging birds. <i>Oikos</i> , 2003, 102, 340-350.	2.7	78
24	Multiple pathways of maternal effects in black-headed gull eggs: constraint and adaptive compensatory adjustment. <i>Journal of Evolutionary Biology</i> , 2006, 19, 1304-1313.	1.7	77
25	How the ladybird got its spots: effects of resource limitation on the honesty of aposematic signals. <i>Functional Ecology</i> , 2012, 26, 334-342.	3.6	72
26	Fine-scale thermal adaptation in a green turtle nesting population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1077-1084.	2.6	71
27	Availability of non-carotenoid antioxidants affects the expression of a carotenoid-based sexual ornament. <i>Biology Letters</i> , 2007, 3, 353-356.	2.3	66
28	Dietary carotenoid availability, sexual signalling and functional fertility in sticklebacks. <i>Biology Letters</i> , 2010, 6, 191-193.	2.3	65
29	Effects of neonatal nutrition on adult reproduction in a passerine bird. <i>Ibis</i> , 2006, 148, 509-514.	1.9	62
30	Intra-specific interactions influence egg composition in the lesser black-backed gull (<i>Larus fuscus</i>). <i>Behavioral Ecology and Sociobiology</i> , 2005, 57, 357-365.	1.4	58
31	Does female nuptial coloration reflect egg carotenoids and clutch quality in the Two-Spotted Goby (<i>Gobiusculus flavescens</i> , Gobiidae)?. <i>Functional Ecology</i> , 2006, 20, 689-698.	3.6	57
32	Oxidative stress and the effect of parasites on a carotenoid-based ornament. <i>Journal of Experimental Biology</i> , 2010, 213, 400-407.	1.7	56
33	Effects of piscivory on the fatty acid profiles and antioxidants of avian yolk: studies on eggs of the gannet, skua, pelican and cormorant. <i>Journal of Zoology</i> , 2001, 255, 305-312.	1.7	54
34	Male attractiveness, fertility and susceptibility to oxidative stress are influenced by inbreeding in <i>Drosophila simulans</i> . <i>Journal of Evolutionary Biology</i> , 2011, 24, 363-371.	1.7	53
35	Signal Functions of Carotenoid Colouration. , 2008, , 213-236.		48
36	Optimization of Resource Allocation Can Explain the Temporal Dynamics and Honesty of Sexual Signals. <i>American Naturalist</i> , 2009, 174, 515-525.	2.1	48

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37	Immune Activation Reduces Sperm Quality in the Great Tit. <i>PLoS ONE</i> , 2011, 6, e22221.	2.5	48
38	Oxidative status and social dominance in a wild cooperative breeder. <i>Functional Ecology</i> , 2015, 29, 229-238.	3.6	42
39	Reproduction Is Associated with a Tissue-Dependent Reduction of Oxidative Stress in Eusocial Female Damaraland Mole-Rats (<i>Fukomys damarensis</i>). <i>PLoS ONE</i> , 2014, 9, e103286.	2.5	41
40	Effects of carotenoid supply on escape flight responses in zebra finches, <i>Taeniopygia guttata</i> . <i>Animal Behaviour</i> , 2006, 72, 595-601.	1.9	40
41	Sex-specific differences in compensation for poor neonatal nutrition in the zebra finch <i>Taeniopygia guttata</i> . <i>Journal of Avian Biology</i> , 2007, 38, 356-366.	1.2	40
42	Dietary carotenoid availability influences a male's ability to provide parental care. <i>Behavioral Ecology</i> , 2007, 18, 1100-1105.	2.2	38
43	Nestling erythrocyte resistance to oxidative stress predicts fledging success but not local recruitment in a wild bird. <i>Biology Letters</i> , 2013, 9, 20120888.	2.3	35
44	Coccidian Infection Causes Oxidative Damage in Greenfinches. <i>PLoS ONE</i> , 2012, 7, e36495.	2.5	34
45	Maternal effects and warning signal honesty in eggs and offspring of an aposematic ladybird beetle. <i>Functional Ecology</i> , 2014, 28, 1187-1196.	3.6	34
46	Fat provisioning in winter impairs egg production during the following spring: a landscape-scale study of blue tits. <i>Journal of Animal Ecology</i> , 2013, 82, 673-682.	2.8	33
47	Individual Consistency and Covariation of Measures of Oxidative Status in Greenfinches. <i>Physiological and Biochemical Zoology</i> , 2012, 85, 299-307.	1.5	32
48	Diversification of honest signals in a predator-prey system. <i>Ecology Letters</i> , 2010, 13, 744-753.	6.4	31
49	How integument colour reflects its carotenoid content: a stickleback's perspective. <i>Functional Ecology</i> , 2011, 25, 297-304.	3.6	30
50	Effects of supplementary feeding on interspecific dominance hierarchies in garden birds. <i>PLoS ONE</i> , 2018, 13, e0202152.	2.5	28
51	Evidence of Oxidative Shielding of Offspring in a Wild Mammal. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	2.2	27
52	The oxidative costs of reproduction are group-size dependent in a wild cooperative breeder. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20152031.	2.6	26
53	Immune Response in a Wild Bird Is Predicted by Oxidative Status, but Does Not Cause Oxidative Stress. <i>PLoS ONE</i> , 2015, 10, e0122421.	2.5	25
54	Temporal variability in a multicomponent trait: nuptial coloration of female two-spotted gobies. <i>Behavioral Ecology</i> , 2009, 20, 346-353.	2.2	23

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55	Rival male chemical cues evoke changes in male pre- and post-copulatory investment in a flour beetle. <i>Behavioral Ecology</i> , 2015, 26, 1021-1029.	2.2	23
56	Plasma markers of oxidative stress are uncorrelated in a wild mammal. <i>Ecology and Evolution</i> , 2015, 5, 5096-5108.	1.9	22
57	Heat and dehydration induced oxidative damage and antioxidant defenses following incubator heat stress and a simulated heat wave in wild caught four-striped field mice <i>Rhabdomys dilectus</i> . <i>PLoS ONE</i> , 2020, 15, e0242279.	2.5	21
58	Rate of egg maturation in marine turtles exhibits a "universal temperature dependence"™. <i>Journal of Animal Ecology</i> , 2011, 80, 1034-1041.	2.8	20
59	Marker-dependent associations among oxidative stress, growth and survival during early life in a wild mammal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161407.	2.6	20
60	Synergistic effects of supplementation of dietary antioxidants during growth on adult phenotype in ring-necked pheasants, <i>Phasianus colchicus</i> . <i>Functional Ecology</i> , 2012, 26, 254-264.	3.6	18
61	MALDI-TOF mass spectrometry as a simple tool to determine the phospholipid/glycolipid composition of sperm: Pheasant spermatozoa as one selected example. <i>Animal Reproduction Science</i> , 2011, 123, 270-278.	1.5	17
62	Antioxidant supplementation during early development reduces parasite load but does not affect sexual ornament expression in adult ring-necked pheasants. <i>Functional Ecology</i> , 2012, 26, 688-700.	3.6	17
63	Hatching asynchrony can have long-term consequences for offspring fitness in zebra finches under captive conditions. <i>Biological Journal of the Linnean Society</i> , 2012, 106, 430-438.	1.6	17
64	Female ornamentation and egg carotenoids of six sympatric gobies. <i>Journal of Fish Biology</i> , 2009, 75, 2777-2787.	1.6	16
65	Diet, development and the optimization of warning signals in post-metamorphic green and black poison frogs. <i>Functional Ecology</i> , 2013, 27, 816-829.	3.6	14
66	Chemical egg defence in the large milkweed bug, <i>Coreoperltus fasciatus</i> , derives from maternal but not paternal diet. <i>Entomologia Experimentalis Et Applicata</i> , 2013, 149, 197-205.	1.4	14
67	Testing the Effects of DL-Alpha-Tocopherol Supplementation on Oxidative Damage, Total Antioxidant Protection and the Sex-Specific Responses of Reproductive Effort and Lifespan to Dietary Manipulation in Australian Field Crickets (<i>Teleogryllus commodus</i>). <i>Antioxidants</i> , 2015, 4, 768-792.	5.1	14
68	Deleterious effects of light exposure on immunity and sexual coloration in birds. <i>Functional Ecology</i> , 2012, 26, 37-45.	3.6	13
69	Dietary carotenoid availability and reproductive effort influence the age-related decline in performance. <i>Behavioral Ecology</i> , 2010, 21, 1048-1053.	2.2	12
70	Environmental effects shape the maternal transfer of carotenoids and vitamin E to the yolk. <i>Frontiers in Zoology</i> , 2012, 9, 17.	2.0	12
71	Body size but not warning signal luminance influences predation risk in recently metamorphosed poison frogs. <i>Ecology and Evolution</i> , 2015, 5, 4603-4616.	1.9	12
72	Patterns of egg yolk antioxidant co-variation in an avian brood parasite "host system. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 313-323.	1.4	10

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73	Effects of winter food provisioning on the phenotypes of breeding blue tits. <i>Ecology and Evolution</i> , 2018, 8, 5059-5068.	1.9	10
74	No evidence of quantitative signal honesty across species of aposematic burnet moths (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	10
75	Sex differences but no evidence of quantitative honesty in the warning signals of six-spot burnet moths (<i>Zygaena filipendulae</i>L)*. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 1460-1474.	2.3	8
76	The relative effectiveness of manipulable feeders and olfactory enrichment for Kinkajous. <i>International Zoo Yearbook</i> , 2000, 37, 381-394.	0.9	7
77	Effects of an early life paraquat exposure on adult resistance to oxidative stress, plumage colour and sperm performance in a wild bird. <i>Journal of Animal Ecology</i> , 2018, 87, 1137-1148.	2.8	7
78	Parental phenotype not predator cues influence egg warning coloration and defence levels. <i>Animal Behaviour</i> , 2018, 140, 177-186.	1.9	7
79	Consistent measures of oxidative balance predict survival but not reproduction in a long distance migrant. <i>Journal of Animal Ecology</i> , 2020, 89, 1872-1882.	2.8	7
80	Reproduction in Risky Environments: The Role of Invasive Egg Predators in Ladybird Laying Strategies. <i>PLoS ONE</i> , 2015, 10, e0139404.	2.5	7
81	Telomere Length in Early Life Predicts Life Span. <i>Obstetrical and Gynecological Survey</i> , 2012, 67, 283-284.	0.4	6
82	Telomere dynamics in wild banded mongooses: Evaluating longitudinal and quasi-longitudinal markers of senescence. <i>Experimental Gerontology</i> , 2018, 107, 67-73.	2.8	6
83	Oxidative stress in response to heat stress in wild caught Namaqua rock mice, <i>Micaelamys namaquensis</i> . <i>Journal of Thermal Biology</i> , 2021, 98, 102958.	2.5	5
84	Phthalate diversity in eggs and associations with oxidative stress in the European herring gull (<i>Larus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	5
85	Methodological confounds of measuring urinary oxidative stress in wild animals. <i>Ecology and Evolution</i> , 2022, 12, .	1.9	5
86	Food Supplementation Reveals Constraints and Adaptability of Egg Quality in the Magpie <i>Pica pica</i>. <i>Avian Biology Research</i> , 2015, 8, 244-253.	0.9	4
87	Measures of oxidative state are primarily driven by extrinsic factors in a long-distance migrant. <i>Biology Letters</i> , 2019, 15, 20180750.	2.3	4
88	Selection on age of female reproduction in the marula fruit fly, <i>Ceratitis cosyra</i> (Walker) (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	4
89	Untangling the oxidative cost of reproduction: An analysis in wild banded mongooses. <i>Ecology and Evolution</i> , 2022, 12, e8644.	1.9	4
90	Redevelopment of a disused enclosure for housing Sulawesi crested macaques <i>Macaca nigra</i> at Newquay Zoo. <i>International Zoo Yearbook</i> , 1998, 36, 56-63.	0.9	3

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91	Invasive Egg Predators and Food Availability Interactively Affect Maternal Investment in Egg Chemical Defense. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	3
92	Control and Function of Carotenoid Coloration in Birds. , 2009, , 487-510.		2
93	Oxidative stress and the effect of parasites on a carotenoid-based ornament. <i>Journal of Experimental Biology</i> , 2010, 213, 1796-1796.	1.7	2
94	Unusual whitish eggs in the poison frog <i>Dendrobates auratus</i> Girard, 1855. <i>Tropical Zoology</i> , 2012, 25, 67-73.	0.6	1
95	Title is missing!. , 2020, 15, e0242279.		0
96	Title is missing!. , 2020, 15, e0242279.		0
97	Title is missing!. , 2020, 15, e0242279.		0
98	Title is missing!. , 2020, 15, e0242279.		0
99	Title is missing!. , 2020, 15, e0242279.		0
100	Title is missing!. , 2020, 15, e0242279.		0