

William A Buttemer

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

4,724
citations

117453

34
h-index

102304

66
g-index

105
all docs

105
docs citations

105
times ranked

4478
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass-related differences in metabolic rate and fasting endurance explain divergence in seasonal activity of Mediterranean lizards. <i>Amphibia - Reptilia</i> , 2022, 43, 225-234.	0.1	2
2	Short- and long-distance avian migrants differ in exercise endurance but not aerobic capacity. <i>BMC Zoology</i> , 2022, 7, .	0.3	2
3	No evidence of metabolic costs following adaptive immune activation or reactivation in house sparrows. <i>Biology Letters</i> , 2022, 18, .	1.0	0
4	Early origin of sweet perception in the songbird radiation. <i>Science</i> , 2021, 373, 226-231.	6.0	34
5	Experimental corticosterone manipulation increases mature feather corticosterone content: implications for inferring avian stress history from feather analyses. <i>Canadian Journal of Zoology</i> , 2021, 99, 948-952.	0.4	4
6	Metabolic rates of aggressive and submissive phenotypes are colour blind in the polymorphic Gouldian finch. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	1
7	The energy cost of feather replacement is not intrinsically inefficient. <i>Canadian Journal of Zoology</i> , 2020, 98, 142-148.	0.4	9
8	Repeatability of behavior and physiology: No impact of reproductive investment. <i>General and Comparative Endocrinology</i> , 2020, 290, 113403.	0.8	7
9	Moult-related reduction of aerobic scope in passerine birds. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 463-470.	0.7	9
10	Low intensity blood parasite infections do not reduce the aerobic performance of migratory birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172307.	1.2	30
11	Parent-embryo acoustic communication: a specialised heat vocalisation allowing embryonic eavesdropping. <i>Scientific Reports</i> , 2018, 8, 17721.	1.6	20
12	Geographical variation in the standard physiology of brushtail possums (<i>Trichosurus</i>): implications for conservation translocations. , 2018, 6, coy042.		23
13	An experimental examination of interindividual variation in feather corticosterone content in the house sparrow, <i>Passer domesticus</i> in southeast Australia. <i>General and Comparative Endocrinology</i> , 2017, 244, 93-100.	0.8	22
14	Personality and innate immune defenses in a wild bird: Evidence for the pace-of-life hypothesis. <i>Hormones and Behavior</i> , 2017, 88, 31-40.	1.0	22
15	Fenitrothion, an organophosphorous insecticide, impairs locomotory function and alters body temperatures in <i>Sminthopsis macroura</i> (Gould 1845) without reducing metabolic rates during running endurance and thermogenic performance tests. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 152-162.	2.2	6
16	Energetics of communal roosting in chestnut-crowned babbler: implications for group dynamics and breeding phenology. <i>Journal of Experimental Biology</i> , 2016, 219, 3321-3328.	0.8	18
17	Why fly the extra mile? Using stress biomarkers to assess wintering habitat quality in migratory shorebirds. <i>Oecologia</i> , 2016, 182, 385-395.	0.9	11
18	A "slow pace of life"™ in Australian old-endemic passerine birds is not accompanied by low basal metabolic rates. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 503-512.	0.7	20

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19	Lack of seasonal and moult-related stress modulation in an opportunistically breeding bird: The white-plumed honeyeater (<i>Lichenostomus penicillatus</i>). <i>Hormones and Behavior</i> , 2015, 76, 34-40.	1.0	9
20	Tough decisions: Reproductive timing and output vary with individuals' physiology, behavior and past success in a social opportunistic breeder. <i>Hormones and Behavior</i> , 2015, 76, 23-33.	1.0	11
21	Developmental stress can uncouple relationships between physiology and behaviour. <i>Biology Letters</i> , 2014, 10, 20140834.	1.0	22
22	Early-Developmental Stress, Repeatability, and Canalization in a Suite of Physiological and Behavioral Traits in Female Zebra Finches. <i>Integrative and Comparative Biology</i> , 2014, 54, 539-554.	0.9	56
23	Among- and within-individual correlations between basal and maximal metabolic rates in birds. <i>Journal of Experimental Biology</i> , 2014, 217, 3593-6.	0.8	17
24	Diet fatty acid profile, membrane composition and lifespan: An experimental study using the blowfly (<i>Calliphora stygia</i>). <i>Mechanisms of Ageing and Development</i> , 2014, 138, 15-25.	2.2	8
25	Muscle mitochondrial volume and aerobic capacity in a small marsupial (<i>Sminthopsis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 levels in mammals generally.. <i>Journal of Experimental Biology</i> , 2013, 216, 1330-7.	0.8	9
26	Effect of Temperature on the Rate of Ageing: An Experimental Study of the Blowfly <i>Calliphora stygia</i> . <i>PLoS ONE</i> , 2013, 8, e73781.	1.1	21
27	Covariation in Life-History Traits: Differential Effects of Diet on Condition, Hormones, Behavior, and Reproduction in Genetic Finch Morphs. <i>American Naturalist</i> , 2012, 179, 375-390.	1.0	40
28	Ecophysiology of avian migration in the face of current global hazards. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1719-1732.	1.8	106
29	Does the oxidative stress theory of aging explain longevity differences in birds? I. Mitochondrial ROS production. <i>Experimental Gerontology</i> , 2012, 47, 203-210.	1.2	42
30	Does the oxidative stress theory of aging explain longevity differences in birds? II. Antioxidant systems and oxidative damage. <i>Experimental Gerontology</i> , 2012, 47, 211-222.	1.2	37
31	Metabolic rate and membrane fatty acid composition in birds: a comparison between long-living parrots and short-living fowl. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 127-137.	0.7	17
32	The Long Life of Birds: The Rat-Pigeon Comparison Revisited. <i>PLoS ONE</i> , 2011, 6, e24138.	1.1	49
33	Fipronil toxicity in northern bobwhite quail <i>Colinus virginianus</i> : Reduced feeding behaviour and sulfone metabolite formation. <i>Chemosphere</i> , 2011, 83, 524-530.	4.2	43
34	Adverse effects of fipronil on avian reproduction and development: maternal transfer of fipronil to eggs in zebra finch <i>Taeniopygia guttata</i> and in ovo exposure in chickens <i>Gallus domesticus</i> . <i>Ecotoxicology</i> , 2011, 20, 653-660.	1.1	33
35	Acute oral toxicity of the organophosphorus pesticide fenitrothion to fat-tailed and stripe-faced dunnarts and its relevance for pesticide risk assessments in Australia. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1163-1169.	2.2	16
36	Constrained mate choice in social monogamy and the stress of having an unattractive partner. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2798-2805.	1.2	48

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37	Maternal stress to partner quality is linked to adaptive offspring sex ratio adjustment. <i>Behavioral Ecology</i> , 2011, 22, 717-722.	1.0	27
38	Inexplicable Inefficiency of Avian Molt? Insights from an Opportunistically Breeding Arid-Zone Species, <i>Lichenostomus penicillatus</i> . <i>PLoS ONE</i> , 2011, 6, e16230.	1.1	36
39	Chemical composition and tissue energy density of the cuttlefish (<i>Sepia apama</i>) and its assimilation efficiency by <i>Diomedea albatrosses</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 1247-1255.	0.7	18
40	From bivalves to birds: oxidative stress and longevity. <i>Functional Ecology</i> , 2010, 24, 971-983.	1.7	124
41	Citrate synthase activity does not account for age-related differences in maximum aerobic performance in House Sparrows (<i>Passer domesticus</i>). <i>Australian Zoologist</i> , 2010, 35, 378-382.	0.6	4
42	THE EFFECT OF ACUTE FENITROTHION EXPOSURE ON A VARIETY OF PHYSIOLOGICAL INDICES, INCLUDING AVIAN AEROBIC METABOLISM DURING EXERCISE AND COLD EXPOSURE. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 388.	2.2	16
43	Plasma Cholinesterase characteristics in native Australian birds: significance for monitoring avian species for pesticide exposure. <i>Emu</i> , 2009, 109, 41-47.	0.2	16
44	Testosterone effects on avian basal metabolic rate and aerobic performance: Facts and artefacts. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 150, 204-210.	0.8	29
45	Effects of diets high in whey, soy, red meat and milk protein on body weight maintenance in diet-induced obesity in mice. <i>Nutrition and Dietetics</i> , 2008, 65, S53.	0.9	16
46	Fowl play and the price of petrel: long-living Procellariiformes have peroxidation-resistant membrane composition compared with short-living Galliformes. <i>Biology Letters</i> , 2008, 4, 351-354.	1.0	42
47	Diacetone alcohol, a dispersant solvent, contributes to acute toxicity of a fipronil-based insecticide in a passerine bird. <i>Ecotoxicology and Environmental Safety</i> , 2008, 71, 597-600.	2.9	26
48	Fenitrothion, an organophosphate, affects running endurance but not aerobic capacity in fat-tailed dunnarts (<i>Sminthopsis crassicaudata</i>). <i>Chemosphere</i> , 2008, 72, 1315-1320.	4.2	21
49	The effect of food temperature on postprandial metabolism in albatrosses. <i>Journal of Experimental Biology</i> , 2008, 211, 1093-1101.	0.8	5
50	Differential rates of offspring provisioning in Gould's petrels: are better feeders better breeders. <i>Australian Journal of Zoology</i> , 2007, 55, 155.	0.6	14
51	Life and Death: Metabolic Rate, Membrane Composition, and Life Span of Animals. <i>Physiological Reviews</i> , 2007, 87, 1175-1213.	13.1	732
52	Frequency-dependent physiological trade-offs between competing colour morphs. <i>Biology Letters</i> , 2007, 3, 494-497.	1.0	108
53	Does baiting influence the relative composition of the diet of foxes?. <i>Wildlife Research</i> , 2006, 33, 481.	0.7	30
54	An evaluation of three field techniques for sexing Gould's Petrels (<i>Pterodroma leucoptera</i>) (<i>Procellariidae</i>). <i>Emu</i> , 2006, 106, 245-252.	0.2	17

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55	Size matters: extraordinary rodent abundance on an Australian tropical flood plain. <i>Austral Ecology</i> , 2006, 31, 361-365.	0.7	11
56	Investigator disturbance does not influence chick growth or survivorship in the threatened Gould's Petrel <i>Pterodroma leucoptera</i> . <i>Ibis</i> , 2006, 148, 368-372.	1.0	15
57	Prolactin, body condition and the cost of good parenting: an interyear study in a long-lived seabird, Gould's Petrel (<i>Pterodroma leucoptera</i>). <i>Functional Ecology</i> , 2006, 20, 806-811.	1.7	41
58	CHOLINESTERASE RESPONSE IN NATIVE BIRDS EXPOSED TO FENITROTHION DURING LOCUST CONTROL OPERATIONS IN EASTERN AUSTRALIA. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2964.	2.2	34
59	Passive Flow Through an Unstalked Intertidal Ascidian: Orientation and Morphology Enhance Suspension Feeding in <i>Pyura stolonifera</i> . <i>Biological Bulletin</i> , 2004, 207, 217-224.	0.7	15
60	EFFECTS OF SUBLETHAL FENITROTHION INGESTION ON CHOLINESTERASE INHIBITION, STANDARD METABOLISM, THERMAL PREFERENCE, AND PREY-CAPTURE ABILITY IN THE AUSTRALIAN CENTRAL BEARDED DRAGON (<i>POGONA VITTICEPS</i> , AGAMIDAE). <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 109.	2.2	40
61	Are day-active small mammals rare and small birds abundant in Australian desert environments because small mammals are inferior thermoregulators?. <i>Australian Mammalogy</i> , 2004, 26, 117.	0.7	19
62	Thermoenergetics of pre-moulting and moulting kookaburras (<i>Dacelo novaeguineae</i>): they're laughing. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2003, 173, 223-230.	0.7	21
63	Field metabolic rate and body water turnover of the red fox <i>Vulpes vulpes</i> in Australia. <i>Mammal Review</i> , 2003, 33, 295-301.	2.2	9
64	Influence of temperature on evaporative water loss and cutaneous resistance to water vapour diffusion in the orange-thighed frog (<i>Litoria xanthomera</i>). <i>Australian Journal of Zoology</i> , 2003, 51, 111.	0.6	21
65	Changes in latitude, changes in attitude: a perspective on ecophysiological studies of Australian birds. <i>Emu</i> , 2002, 102, 19-27.	0.2	19
66	Steroid Hormone Interrelationships with Territorial Aggression in an Arctic-Breeding Songbird, Gambel's White-Crowned Sparrow, <i>Zonotrichia leucophrys gambelii</i> . <i>Hormones and Behavior</i> , 2002, 42, 212-221.	1.0	74
67	Dietary n-3 and n-6 fatty acids alter avian metabolism: metabolism and abdominal fat deposition. <i>British Journal of Nutrition</i> , 2002, 88, 11-18.	1.2	220
68	Dietary n-3 and n-6 fatty acids alter avian metabolism: metabolism and abdominal fat deposition. <i>British Journal of Nutrition</i> , 2002, 88, 11-18.	1.2	29
69	The Influence of Testosterone on Territorial Defence and Parental Behavior in Male Free-Living Rufous Whistlers, <i>Pachycephala rufiventris</i> . <i>Hormones and Behavior</i> , 2001, 39, 185-194.	1.0	54
70	The influence of thermoregulatory demand on contact crÄching behaviour in AdÄlie Penguin chicks. <i>Journal of Thermal Biology</i> , 2001, 26, 555-562.	1.1	11
71	Gonadal and hormonal phenology in free-living male rufous whistlers, <i>Pachycephala rufiventris</i> (Passeriformes : Pachycephalidae). <i>Australian Journal of Zoology</i> , 2001, 49, 651.	0.6	5
72	Testosterone does not affect basal metabolic rate or blood parasite load in captive male White-plumed Honeyeaters <i>Lichenostomus penicillatus</i> . <i>Journal of Avian Biology</i> , 2000, 31, 479-488.	0.6	41

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73	Corticosterone Treatment Has No Effect on Reproductive Hormones or Aggressive Behavior in Free-living Male Tree Sparrows, <i>Spizella arborea</i> . <i>Hormones and Behavior</i> , 2000, 37, 31-39.	1.0	85
74	Inadvertent translocation of amphibians in the shipment of agricultural produce into New South Wales: its extent and conservation implications. <i>Pacific Conservation Biology</i> , 2000, 6, 40.	0.5	9
75	Fat deposition and seasonal variation in body composition of red foxes (<i>Vulpes vulpes</i>) in Australia. <i>Canadian Journal of Zoology</i> , 1999, 77, 406-412.	0.4	19
76	Fat deposition and seasonal variation in body composition of red foxes (<i>Vulpes vulpes</i>) in Australia. <i>Canadian Journal of Zoology</i> , 1999, 77, 406-412.	0.4	3
77	A comparison of photolyase activity in three Australian tree frogs. <i>Oecologia</i> , 1998, 115, 366-369.	0.9	30
78	Indices for Predicting Total Body Fat in Red Foxes from Australia. <i>Journal of Wildlife Management</i> , 1998, 62, 1307.	0.7	20
79	Temporal Patterns of Territorial Behavior and Circulating Testosterone in the Lapland Longspur and Other Arctic Passerines. <i>American Zoologist</i> , 1995, 35, 274-284.	0.7	62
80	Seasonal and Acute Changes in Adrenocortical Responsiveness in an Arctic-Breeding Bird. <i>Hormones and Behavior</i> , 1995, 29, 442-457.	1.0	216
81	Gender and Seasonal Differences in the Adrenocortical Response to ACTH Challenge in an Arctic Passerine, <i>Zonotrichia leucophrys gambelii</i> . <i>General and Comparative Endocrinology</i> , 1994, 94, 33-43.	0.8	155
82	Temporal pattern of foraging and microhabitat use by Galapagos marine iguanas, <i>Amblyrhynchus cristatus</i> . <i>Oecologia</i> , 1993, 96, 56-64.	0.9	28
83	Differential Overnight Survival by Bumpus' House Sparrows: An Alternate Interpretation. <i>Condor</i> , 1992, 94, 944-954.	0.7	10
84	Interactions of Corticosterone with Feeding, Activity and Metabolism in Passerine Birds. <i>Ornis Scandinavica</i> , 1992, 23, 355.	1.0	425
85	The effect of corticosterone on standard metabolic rates of small passerine birds. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1991, 161, 427-31.	0.7	75
86	Thermal and Behavioural Correlates of Nest Site Location in Black Noddies. <i>Emu</i> , 1990, 90, 114-118.	0.2	6
87	Effect of Temperature on Evaporative Water Loss of the Australian Tree Frogs <i>Litoria caerulea</i> and <i>Litoria chloris</i> . <i>Physiological Zoology</i> , 1990, 63, 1043-1057.	1.5	50
88	Body temperature, water flux and estimated energy expenditure of incubating emus (<i>Dromaius</i>). <i>Overlock</i> , 1990, 10, 16.	0.7	16
89	Emu Winter Incubation: Thermal, Water, and Energy Relations. , 1989, , 315-324.		2
90	Roles of the Tent in Behavioral Thermoregulation of Eastern Tent Caterpillars. <i>Ecology</i> , 1988, 69, 2004-2011.	1.5	76

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91	Thermal and Water Relations of Emu Eggs during Natural Incubation. <i>Physiological Zoology</i> , 1988, 61, 483-494.	1.5	13
92	Energy Savings Attending Winter-Nest Use by Verdins (<i>Auriparus flaviceps</i>). <i>Auk</i> , 1987, 104, 531-535.	0.7	32
93	Time-Budget Estimates of Avian Energy Expenditure: Physiological and Meteorological Considerations. <i>Physiological Zoology</i> , 1986, 59, 131-149.	1.5	78
94	Energy relations of winter roost-site utilization by American goldfinches (<i>Carduelis tristis</i>). <i>Oecologia</i> , 1985, 68, 126-132.	0.9	58
95	A Reexamination of the Metabolic Response of House Finches to Temperature. <i>Condor</i> , 1985, 87, 424-427.	0.7	33
96	An Evaluation of Time-Budget Estimates of Daily Energy Expenditure in Birds. <i>Auk</i> , 1984, 101, 459-472.	0.7	130
97	Seasonal and Geographic Variation of Cold Resistance in House Finches <i>Carpodacus mexicanus</i> . <i>Physiological Zoology</i> , 1983, 56, 353-369.	1.5	103
98	Heated Taxidermic Mounts: A Means of Measuring the Standard Operative Temperature Affecting Small Animals. <i>Ecology</i> , 1981, 62, 311-318.	1.5	75
99	Avian Eggs: Thermoregulatory Value of Very High Near-Infrared Reflectance. <i>Science</i> , 1978, 200, 321-323.	6.0	87