

Bronwyn M Mcallan

List of Publications by Year in descending order

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68
papers

1,276
citations

394390

19
h-index

395678

33
g-index

72
all docs

72
docs citations

72
times ranked

1137
citing authors

#	ARTICLE	IF	CITATIONS
1	Lateralisation of escape responses in the stripe-faced dunnart, <i>Sminthopsis macroura</i> (Dasyuridae): Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	114
2	The degree of dietary fatty acid unsaturation affects torpor patterns and lipid composition of a hibernator. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1994, 164, 299-305.	1.5	84
3	Marsupial uncoupling protein 1 sheds light on the evolution of mammalian nonshivering thermogenesis. <i>Physiological Genomics</i> , 2008, 32, 161-169.	2.3	76
4	Effect of torpor on the water economy of an arid-zone marsupial, the stripe-faced dunnart (<i>Sminthopsis macroura</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2005, 175, 323-328.	1.5	53
5	Coping with chaos: unpredictable food supplies intensify torpor use in an arid-zone marsupial, the fat-tailed dunnart (<i>Sminthopsis crassicaudata</i>). <i>Die Naturwissenschaften</i> , 2010, 97, 601-605.	1.6	49
6	The role of photoperiod in the timing of reproduction in the Dasyurid Marsupial <i>Antechinus stuartii</i> . <i>Oecologia</i> , 1986, 68, 259-264.	2.0	48
7	Photoperiod as a reproductive cue in the marsupial genus <i>Antechinus</i> : ecological and evolutionary consequences. <i>Biological Journal of the Linnean Society</i> , 2006, 87, 365-379.	1.6	48
8	Boom and bust: a review of the physiology of the marsupial genus <i>Antechinus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 545-562.	1.5	48
9	Photoperiod affects daily torpor and tissue fatty acid composition in deer mice. <i>Die Naturwissenschaften</i> , 2007, 94, 319-325.	1.6	45
10	Effects of temperature acclimation on maximum heat production, thermal tolerance, and torpor in a marsupial. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2003, 173, 437-442.	1.5	42
11	Expression of thyroid hormone transporters and deiodinases at the brain barriers in the embryonic chicken: Insights into the regulation of thyroid hormone availability during neurodevelopment. <i>General and Comparative Endocrinology</i> , 2015, 214, 30-39.	1.8	40
12	Phylogenetic differences of mammalian basal metabolic rate are not explained by mitochondrial basal proton leak. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 185-193.	2.6	30
13	Development of thermoregulation and torpor in a marsupial: energetic and evolutionary implications. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006, 176, 107-116.	1.5	29
14	The <i>Burrhamys</i> Project: a conservationist's reach should exceed history's grasp, or what is the fossil record for?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190221.	4.0	26
15	Transcriptomic changes in the pre-implantation uterus highlight histotrophic nutrition of the developing marsupial embryo. <i>Scientific Reports</i> , 2018, 8, 2412.	3.3	25
16	Daily torpor in a pregnant dunnart (<i>Sminthopsis macroura</i> Dasyuridae: Marsupialia). <i>Mammalian Biology</i> , 2005, 70, 117-121.	1.5	24
17	Adaptation of Phenylalanine and Tyrosine Catabolic Pathway to Hibernation in Bats. <i>PLoS ONE</i> , 2013, 8, e62039.	2.5	23
18	Phase delay of the natural photoperiod alters reproductive timing in the marsupial <i>Antechinus stuartii</i> . <i>Journal of Zoology</i> , 1991, 225, 633-646.	1.7	21

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19	Oxygen free radical involvement in acute lung injury induced by H5N1 virus in mice. <i>Influenza and Other Respiratory Viruses</i> , 2013, 7, 945-953.	3.4	21
20	The functional requirements of mammalian hair: a compromise between crypsis and thermoregulation?. <i>Die Naturwissenschaften</i> , 2016, 103, 53.	1.6	21
21	Photoperiod and the timing of reproduction in <i>Antechinus flavipes</i> (Dasyuridae: Marsupialia). <i>Mammalian Biology</i> , 2006, 71, 129-138.	1.5	19
22	A Functional Nexus between Photoperiod Acclimation, Torpor Expression and Somatic Fatty Acid Composition in a Heterothermic Mammal. <i>PLoS ONE</i> , 2013, 8, e63803.	2.5	19
23	Uterine epithelial cell changes during pregnancy in a marsupial (<i>Sminthopsis crassicaudata</i>); Tj ETQq1 1 0.784314 rgBT /Overlock 19	1.2	19
24	Extensive production of <i>Neospora caninum</i> tissue cysts in a carnivorous marsupial succumbing to experimental neosporosis. <i>Veterinary Research</i> , 2011, 42, 75.	3.0	18
25	The influence of reproductive hormones on the torpor patterns of the marsupial <i>Sminthopsis macroura</i> : Bet-hedging in an unpredictable environment. <i>General and Comparative Endocrinology</i> , 2012, 179, 265-276.	1.8	18
26	The effects of cortisol and testosterone on renal function in male <i>Antechinus stuartii</i> (Marsupialia). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1998, 168, 248-256.	1.5	16
27	Dasyurid marsupials as models for the physiology of ageing in humans. <i>Australian Journal of Zoology</i> , 2006, 54, 159.	1.0	16
28	Desmoglein-2 during pregnancy and its role in the evolution of viviparity in a marsupial (<i>Sminthopsis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 TF	1.2	16
29	The role of basking in the development of endothermy and torpor in a marsupial. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 1029-1038.	1.5	16
30	A brief review of the life history of, and threats to, <i>Burramys parvus</i> with a prehistory-based proposal for ensuring that it has a future. , 2012, , 114-126.		15
31	Epithelial cadherin disassociates from the lateral plasma membrane of uterine epithelial cells throughout pregnancy in a marsupial. <i>Journal of Anatomy</i> , 2017, 231, 359-365.	1.5	14
32	Cortical Cyto- and Chemoarchitecture in Three Small Australian Marsupial Carnivores: <i>Sminthopsis macroura</i> , <i>Antechinus stuartii</i> , and <i>Phascogale calura</i> . <i>Brain, Behavior and Evolution</i> , 2008, 72, 215-232.	1.7	13
33	Scanning Electron Microscopy Reveals Two Distinct Classes of Erythroblastic Island Isolated from Adult Mammalian Bone Marrow. <i>Microscopy and Microanalysis</i> , 2016, 22, 368-378.	0.4	13
34	Seasonal changes in glomerular filtration rate in <i>Antechinus stuartii</i> (Marsupialia: Dasyuridae). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1998, 168, 41-49.	1.5	12
35	Seasonal Changes in the Renal Morphometry of <i>Antechinus Stuartii</i> (Marsupialia: Dasyuridae). <i>Australian Journal of Zoology</i> , 1996, 44, 337.	1.0	12
36	Differential Gamma Interferon- and Tumor Necrosis Factor Alpha-Driven Cytokine Response Distinguishes Acute Infection of a Metatherian Host with <i>Toxoplasma gondii</i> and <i>Neospora caninum</i> . <i>Infection and Immunity</i> , 2017, 85, .	2.2	11

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37	Telomerase activity in the bats <i>Hipposideros armiger</i> and <i>Rousettus leschenaultia</i> . <i>Biochemistry (Moscow)</i> , 2011, 76, 1017-1021.	1.5	10
38	Uterine focal adhesion dynamics during pregnancy in a marsupial (<i>Sminthopsis crassicaudata</i> ;) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70</i>	1.4	10
39	Seasonal changes in the reproductive anatomy of male <i>Antechinus stuartii</i> (Marsupialia: Dasyuridae)., 1997, 231, 261-275.		9
40	The seasonal reproductive cycle of a marsupial, <i>Antechinus stuartii</i> : effects of oral administration of melatonin. <i>General and Comparative Endocrinology</i> , 2002, 128, 82-90.	1.8	9
41	Dietary composition and nutritional outcomes in two marsupials, <i>Sminthopsis macroura</i> and <i>S. crassicaudata</i> . <i>Journal of Mammalogy</i> , 2014, 95, 503-515.	1.3	9
42	Thermal energetics and behaviour of a small, insectivorous marsupial in response to the interacting risks of starvation and predation. <i>Oecologia</i> , 2019, 191, 803-815.	2.0	9
43	Effects of Testosterone and Cortisol on the Renal Morphology of Male <i>Antechinus stuartii</i> (Marsupialia). <i>General and Comparative Endocrinology</i> , 1997, 107, 439-449.	1.8	8
44	Non-invasive placentation in the marsupials <i>Macropus eugenii</i> (Macropodidae) and <i>Trichosurus vulpecula</i> (Phalangeridae) involves redistribution of uterine Desmoglein-2. <i>Molecular Reproduction and Development</i> , 2018, 85, 72-82.	2.0	8
45	Hematology and serum biochemistry reference ranges of healthy captive Tasmanian devils (<i>Sarcophilus harrisii</i>) and their association with age, gender and seasonal variation. <i>Mammalian Biology</i> , 2016, 81, 393-398.	1.5	7
46	Three-dimensional diet regulation and the consequences of choice for weight and activity level of a marsupial carnivore. <i>Journal of Mammalogy</i> , 2016, 97, 1645-1651.	1.3	7
47	Digestibility of a new diet for captive short-beaked echidnas (<i>Tachyglossus aculeatus</i>). <i>Zoo Biology</i> , 2017, 36, 56-61.	1.2	7
48	The Kidney Structure of the Common Wombat (<i>Vombatus-Ursinus</i>) and the Hairy-Nosed Wombat (<i>Lasiorhinus-Latifrons</i>). <i>Australian Journal of Zoology</i> , 1995, 43, 181.	1.0	6
49	Identification of the mRNA encoding interleukin-6 and its receptor, interleukin-6 receptor β , in five marsupial species. <i>Developmental and Comparative Immunology</i> , 2016, 65, 211-217.	2.3	6
50	Uterine remodelling during pregnancy and pseudopregnancy in the brushtail possum (<i>Trichosurus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	1.5	6
51	Uterine molecular changes for non-invasive embryonic attachment in the marsupials <i>Macropus eugenii</i> (Macropodidae) and <i>Trichosurus vulpecula</i> (Phalangeridae). <i>Molecular Reproduction and Development</i> , 2017, 84, 1076-1085.	2.0	6
52	Reproductive parameters of surviving 'die-off' male <i>Antechinus flavipes</i> and <i>Antechinus stuartii</i> (Dasyuridae : Marsupialia) in their second year of life. <i>Australian Mammalogy</i> , 2009, 31, 17.	1.1	5
53	Uterine epithelial remodelling during pregnancy in the marsupial <i>Monodelphis domestica</i> (Didelphidae): Implications for mammalian placental evolution. <i>Journal of Anatomy</i> , 2020, 236, 1126-1136.	1.5	5
54	The affinity of transthyretin for T3 or T4 does not determine which form of the hormone accumulates in the choroid plexus. <i>General and Comparative Endocrinology</i> , 2018, 264, 131-137.	1.8	4

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55	Uterine Epithelial Cells Undergo a Plasma Membrane Transformation During Early Pregnancy in the Domestic Cat (<sc><i>Felis catus</i></sc>). <i>Anatomical Record</i> , 2018, 301, 1497-1505.	1.4	4
56	Dynamic changes to claudins in the uterine epithelial cells of the marsupial <i>Sminthopsis crassicaudata</i> (Dasyuridae) during pregnancy. <i>Molecular Reproduction and Development</i> , 2019, 86, 639-649.	2.0	4
57	Sex steroids influence the plasma membrane transformation in the uterus of the fat-tailed dunnart (<i>Sminthopsis crassicaudata</i> , Marsupialia). <i>Reproduction, Fertility and Development</i> , 2019, 31, 633.	0.4	4
58	Red cell metabolism in a small dasyurid marsupial, the brown antechinus (<i>Antechinus stuartii</i>). <i>Comparative Haematology International</i> , 1995, 5, 201-205.	0.5	3
59	Morphology, growth and reproduction in the Australian house mouse: differential effects of moderate temperatures. <i>Biological Journal of the Linnean Society</i> , 0, 94, 21-30.	1.6	3
60	Sex, season and melatonin administration affects daily activity rhythms in a marsupial, the brown antechinus, <i>Antechinus stuartii</i> . <i>Physiology and Behavior</i> , 2008, 93, 130-138.	2.1	3
61	Nutritional status and functional digestive histology of the carnivorous Tasmanian devil (<i>Sarcophilus harrisii</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 205, 1-7.	1.8	3
62	Dietary protein supplementation and its consequences for intake, digestion, and physical activity of a carnivorous marsupial, <i>Sminthopsis crassicaudata</i> . <i>Ecology and Evolution</i> , 2018, 8, 3636-3647.	1.9	2
63	Uterine Receptivity in Merriam's Kangaroo Rat (<sc><i>Dipodomys merriami</i></sc>). <i>Anatomical Record</i> , 2018, 301, 1928-1935.	1.4	2
64	Uterine cellular changes during mammalian pregnancy and the evolution of placentation. <i>Biology of Reproduction</i> , 2021, , .	2.7	2
65	Reproductive Endocrinology of Prototherians and Metatherians. , 2011, , 195-214.		0
66	Foreword. <i>General and Comparative Endocrinology</i> , 2017, 244, 1.	1.8	0
67	Reproductive Endocrinology of Prototherians and Metatherians. , 2011, , 195-214.		0
68	GCE special edition: 8th Intercongress of the AOSCE, held at the University of Sydney 8â€“12 July 2018. <i>General and Comparative Endocrinology</i> , 2020, 299, 113594.	1.8	0