

Terence J Dawson

List of Publications by Year in descending order

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56
papers

2,196
citations

186209

28
h-index

223716

46
g-index

56
all docs

56
docs citations

56
times ranked

1229
citing authors

#	ARTICLE	IF	CITATIONS
1	The burden of size and growth for the juveniles of large mammalian herbivores: Structural and functional constraints in the feeding biology of juveniles relative to adults in red kangaroos, <i>Ophryotrocha rufus</i> . <i>Ecology and Evolution</i> , 2021, 11, 9062-9078.	0.8	7
2	Thermal implications of interactions between insulation, solar reflectance, and fur structure in the summer coats of diverse species of kangaroo. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 517-528.	0.7	6
3	The fur of mammals in exposed environments; do crypsis and thermal needs necessarily conflict? The polar bear and marsupial koala compared. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014, 184, 273-284.	0.7	48
4	The kangaroo's tail propels and powers pentapedal locomotion. <i>Biology Letters</i> , 2014, 10, 20140381.	1.0	61
5	Water use and feeding patterns of the marsupial western grey kangaroo (<i>Macropus fuliginosus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock livestock, the Merino sheep (<i>Ovis aries</i>). <i>Mammalian Biology</i> , 2014, 79, 1-8.	0.8	11
6	Muscle mitochondrial volume and aerobic capacity in a small marsupial (<i>Sminthopsis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (levels in mammals generally.. <i>Journal of Experimental Biology</i> , 2013, 216, 1330-7.	0.8	9
7	The high aerobic capacity of a small, marsupial rat-kangaroo (<i>Bettongia penicillata</i>) is matched by the mitochondrial and capillary morphology of its skeletal muscles. <i>Journal of Experimental Biology</i> , 2012, 215, 3223-30.	0.8	4
8	Kangaroos. , 2012, , .		34
9	Physiological Mechanisms in Coping with Climate Change. <i>Physiological and Biochemical Zoology</i> , 2010, 83, 713-720.	0.6	108
10	Ventilation patterns in red kangaroos (<i>Macropus rufus</i> Desmarest): juveniles work harder than adults at thermal extremes, but extract more oxygen per breath at thermoneutrality. <i>Journal of Experimental Biology</i> , 2007, 210, 2723-2729.	0.8	4
11	Dehydration, with and without heat, in kangaroos from mesic and arid habitats: different thermal responses including varying patterns in heterothermy in the field and laboratory. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2007, 177, 797-807.	0.7	13
12	How much do kangaroos of differing age and size eat relative to domestic stock?: implications for the arid rangelands. , 2007, , 96-101.		7
13	Water use and the thermoregulatory behaviour of kangaroos in arid regions: insights into the colonisation of arid rangelands in Australia by the Eastern Grey Kangaroo (<i>Macropus giganteus</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006, 176, 45-53.	0.7	39
14	Endogenous Nitrogen Excretion by Red Kangaroos (<i>Macropus rufus</i>): Effects of Animal Age and Forage Quality. <i>Physiological and Biochemical Zoology</i> , 2006, 79, 424-436.	0.6	8
15	Forage fibre digestion, rates of feed passage and gut fill in juvenile and adult red kangaroos <i>Macropus rufus</i> Desmarest: why body size matters. <i>Journal of Experimental Biology</i> , 2006, 209, 1535-1547.	0.8	36
16	Aerobic characteristics of red kangaroo skeletal muscles: is a high aerobic capacity matched by muscle mitochondrial and capillary morphology as in placental mammals?. <i>Journal of Experimental Biology</i> , 2004, 207, 2811-2821.	0.8	15
17	Thermoregulation in Juvenile Red Kangaroos (<i>Macropus rufus</i>) after Pouch Exit: Higher Metabolism and Evaporative Water Requirements. <i>Physiological and Biochemical Zoology</i> , 2001, 74, 917-927.	0.6	17
18	Digestive function in Australian magpie geese (<i>Anseranas semipalmata</i>). <i>Australian Journal of Zoology</i> , 2000, 48, 265.	0.6	16

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19	Thermoregulation by Kangaroos from Mesic and Arid Habitats: Influence of Temperature on Routes of Heat Loss in Eastern Grey Kangaroos (<i>Macropus giganteus</i>) and Red Kangaroos (<i>Macropus rufus</i>). <i>Physiological and Biochemical Zoology</i> , 2000, 73, 374-381.	0.6	56
20	Ventilatory Accommodation of Oxygen Demand and Respiratory Water Loss in Kangaroos from Mesic and Arid Environments, the Eastern Grey Kangaroo (<i>Macropus giganteus</i>) and the Red Kangaroo (<i>Macropus rufus</i>). <i>Physiological and Biochemical Zoology</i> , 2000, 73, 382-388.	0.6	34
21	Energetics and biomechanics of locomotion by red kangaroos (<i>Macropus rufus</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998, 120, 41-49.	0.7	81
22	Diets of mammalian herbivores in Australian arid, hilly shrublands: seasonal effects on overlap between euros (hill kangaroos), sheep and feral goats, and on dietary niche breadths and electivities. <i>Journal of Arid Environments</i> , 1996, 34, 491-506.	1.2	36
23	The heat load from solar radiation on a large, diurnally active bird, the emu (<i>Dromaius</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58	1.1	25
24	Diets of mammalian herbivores in Australian arid shrublands: seasonal effects on overlap between red kangaroos, sheep and rabbits and on dietary niche breadths and electivities. <i>Journal of Arid Environments</i> , 1994, 26, 257-271.	1.2	73
25	Observations of differential sex/age class mobility in red kangaroos (<i>Macropus rufus</i>). <i>Journal of Arid Environments</i> , 1994, 27, 169-177.	1.2	15
26	Ventilatory Accommodation of Changing Oxygen Consumption in Dasyurid Marsupials. <i>Physiological Zoology</i> , 1994, 67, 418-437.	1.5	30
27	The role of the kidney in electrolyte and nitrogen excretion in a large flightless bird, the emu, during different osmotic regimes, including dehydration and nesting. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1991, 161, 165.	0.7	22
28	Body temperature, water flux and estimated energy expenditure of incubating emus (<i>Dromaius</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	0.7	16
29	Gas exchange in the lung of a dasyurid marsupial: morphometric estimation of diffusion capacity and blood oxygen uptake kinetics. <i>Respiration Physiology</i> , 1989, 77, 309-322.	2.8	14
30	Emu Winter Incubation: Thermal, Water, and Energy Relations. , 1989, , 315-324.		2
31	Thermal and Water Relations of Emu Eggs during Natural Incubation. <i>Physiological Zoology</i> , 1988, 61, 483-494.	1.5	13
32	Use of helium-oxygen to examine the effect of cold acclimation on the summit metabolism of a marsupial, <i>Dasyuroides byrnei</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1985, 81, 445-449.	0.7	16
33	Fiber Digestion in the Emu, <i>Dromaius novaehollandiae</i> , a Large Bird with a Simple Gut and High Rates of Passage. <i>Physiological Zoology</i> , 1984, 57, 70-84.	1.5	84
34	Changes in the thermal balance of a marsupial (<i>Dasyuroides byrnei</i>) during cold and warm acclimation. <i>Journal of Thermal Biology</i> , 1984, 9, 199-204.	1.1	22
35	Digestion in the emu: Low energy and nitrogen requirements of this large ratite bird. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1983, 75, 41-45.	0.7	39
36	Metabolic scope and conductance in response to cold of some dasyurid marsupials and Australian rodents. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1982, 71, 59-64.	0.7	46

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37	Thermal and Energetic Problems of Semiaquatic Mammals: A Study of the Australian Water Rat, including Comparisons with the Platypus. <i>Physiological Zoology</i> , 1981, 54, 285-296.	1.5	47
38	Cardiovascular characteristics of two resting marsupials: An insight into the cardio-respiratory allometry of marsupials. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1981, 145, 95-100.	0.7	30
39	Resting metabolic rates of ratite birds: The kiwis and the emu. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1978, 60, 479-481.	0.7	43
40	Metabolism, thermoregulation and torpor in shrew sized marsupials of the genus <i>planigale</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1978, 59, 305-309.	0.7	38
41	Seasonal variations in the body temperatures of unrestrained kangaroos (<i>Macropodidae: Marsupialia</i>). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1977, 56, 59-67.	0.7	19
42	Energetic cost of locomotion in Australian hopping mice. <i>Nature</i> , 1976, 259, 305-307.	13.7	37
43	Water usage and diet preferences of free ranging kangaroos, sheep and feral goats in the Australian arid zone during summer. <i>Journal of Zoology</i> , 1975, 177, 1-23.	0.8	70
44	The cuscus (<i>Phalanger maculatus</i>) ? a marsupial sloth?. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1973, 83, 41-50.	0.7	23
45	Energetic Cost of Locomotion in Kangaroos. <i>Nature</i> , 1973, 246, 313-314.	13.7	414
46	Thermoregulatory responses of the arid zone kangaroos, <i>Megaleia rufa</i> and <i>Macropus robustus</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1973, 46, 153-169.	0.7	48
47	PRIMITIVE MAMMALS. , 1973, , 1-46.		17
48	A comparison of the insulative and reflective properties of the fur of desert kangaroos. <i>Comparative Biochemistry and Physiology</i> , 1970, 37, 23-38.	1.1	42
49	Influence of the respiratory response to moderate and severe heat on the blood gas values of a macropodid marsupial (<i>Macropus eugenii</i>). <i>Comparative Biochemistry and Physiology</i> , 1970, 37, 59-66.	1.1	9
50	A Bioclimatological Comparison of the Summer Day Microenvironments of Two Species of Arid-Zone Kangaroo. <i>Ecology</i> , 1969, 50, 328-332.	1.5	29
51	Standard Energy Metabolism of Marsupials. <i>Nature</i> , 1969, 221, 383-383.	13.7	43
52	Thermal balance of the macropodid marsupial <i>Macropus eugenii</i> desmarest. <i>Comparative Biochemistry and Physiology</i> , 1969, 31, 645-653.	1.1	48
53	Temperature regulation and evaporative water loss in the brush-tailed possum <i>Trichosurus vulpecula</i> . <i>Comparative Biochemistry and Physiology</i> , 1969, 28, 401-407.	1.1	46
54	EFFECT OF ANAEMIA ON OXYGEN TRANSPORT IN SHEEP WITH DIFFERENT HAEMOGLOBIN TYPES. <i>The Australian Journal of Experimental Biology and Medical Science</i> , 1967, 45, 437-444.	0.7	6

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55	Relationship between oxygen consumption and hypoxia in sheep with different haemoglobins. Life Sciences, 1966, 5, 679-685.	2.0	0
56	Effect of thermal conductance on water economy in the antelope jack rabbit, <i>Lepus alleni</i> . Journal of Cellular Physiology, 1966, 67, 463-471.	2.0	120