

# William K Milsom

## List of Publications by Year in descending order

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155  
papers

4,545  
citations

87723

38  
h-index

138251

58  
g-index

157  
all docs

157  
docs citations

157  
times ranked

2329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Evolution of Cytochrome c Oxidase Underlies High-Altitude Adaptation in the Bar-Headed Goose. <i>Molecular Biology and Evolution</i> , 2011, 28, 351-363.	3.5	196
2	Peripheral arterial chemoreceptors and the evolution of the carotid body. <i>Respiratory Physiology and Neurobiology</i> , 2007, 157, 4-11.	0.7	148
3	Pontine influences on breathing: an overview. <i>Respiratory Physiology and Neurobiology</i> , 2004, 143, 105-114.	0.7	114
4	How Bar-Headed Geese Fly Over the Himalayas. <i>Physiology</i> , 2015, 30, 107-115.	1.6	104
5	Regulation of cardiac rhythm in hibernating mammals. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 1999, 124, 383-391.	0.8	96
6	Sensory receptors in the first gill arch of rainbow trout. <i>Respiration Physiology</i> , 1993, 93, 97-110.	2.8	93
7	Seasonal reproductive endothermy in tegu lizards. <i>Science Advances</i> , 2016, 2, e1500951.	4.7	90
8	Flying high: A theoretical analysis of the factors limiting exercise performance in birds at altitude. <i>Respiratory Physiology and Neurobiology</i> , 2006, 154, 284-301.	0.7	88
9	Control of breathing and adaptation to high altitude in the bar-headed goose. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R379-R391.	0.9	87
10	Hypoxic metabolic response of the golden-mantled ground squirrel. <i>Journal of Applied Physiology</i> , 2001, 91, 603-612.	1.2	86
11	Peripheral Receptors Affecting Breathing and Cardiovascular Function in Non-Mammalian Vertebrates. <i>Journal of Experimental Biology</i> , 1982, 100, 59-91.	0.8	86
12	Branchial receptors and cardiorespiratory reflexes in a neotropical fish, the tambaqui ( <i>Colossoma</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	86
13	Phylogeny of CO <sub>2</sub> /H <sup>+</sup> chemoreception in vertebrates. <i>Respiratory Physiology and Neurobiology</i> , 2002, 131, 29-41.	0.7	84
14	Oxygen sensitive afferent information arising from the first gill arch of yellowfin tuna. <i>Respiration Physiology</i> , 1986, 66, 193-203.	2.8	80
15	New insights into gill chemoreception: Receptor distribution and roles in water and air breathing fish. <i>Respiratory Physiology and Neurobiology</i> , 2012, 184, 326-339.	0.7	80
16	Transient peripheral warming accompanies the hypoxic metabolic response in the golden-mantled ground squirrel. <i>Journal of Experimental Biology</i> , 2003, 206, 33-42.	0.8	76
17	Body temperature depression and peripheral heat loss accompany the metabolic and ventilatory responses to hypoxia in low and high altitude birds. <i>Journal of Experimental Biology</i> , 2008, 211, 1326-1335.	0.8	70
18	Cardiovascular and respiratory reflexes: the tropical fish, traíra ( <i>Hoplias malabaricus</i> ) O <sub>2</sub> chemoresponses. <i>Respiration Physiology</i> , 1999, 116, 181-199.	2.8	67

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19	Chemoreceptors and control of episodic breathing in the bullfrog ( <i>Rana catesbeiana</i> ). <i>Respiration Physiology</i> , 1994, 95, 81-98.	2.8	65
20	A comparative analysis of putative oxygen-sensing cells in the fish gill. <i>Journal of Experimental Biology</i> , 2008, 211, 1231-1242.	0.8	65
21	Extrabranhial chemoreceptors involved in respiratory reflexes in the neotropical fish <i>Colossoma macropomum</i> (the tambaqui). <i>Journal of Experimental Biology</i> , 2002, 205, 1765-1774.	0.8	64
22	Sleep and Mammalian Hibernation: Homologous Adaptations and Homologous Processes?. <i>Sleep</i> , 1993, 16, 372-386.	0.6	61
23	Cardio-ventilatory control in rainbow trout: I. Pharmacology of branchial, oxygen-sensitive chemoreceptors. <i>Respiration Physiology</i> , 1995, 100, 231-238.	2.8	59
24	Cardiovascular and respiratory reflexes in the tropical fish, traira ( <i>Hoplias malabaricus</i> ): CO <sub>2</sub> /pH chemoresponses. <i>Respiration Physiology</i> , 2000, 120, 47-59.	2.8	59
25	Changes in Ventilation and Respiratory Sensitivity Associated with Hibernation in Columbian ( <i>Spermophilus columbianus</i> ) and Golden-Mantled ( <i>Spermophilus lateralis</i> ) Ground Squirrels. <i>Physiological Zoology</i> , 1991, 64, 940-959.	1.5	59
26	Hypoxia reduces the hypothalamic thermogenic threshold and thermosensitivity. <i>Journal of Physiology</i> , 2009, 587, 5259-5274.	1.3	54
27	The role of hydrogen sulphide in the control of breathing in hypoxic zebrafish ( <i>Danio rerio</i> ). <i>Journal of Physiology</i> , 2014, 592, 3075-3088.	1.3	51
28	Cardio-ventilatory control in rainbow trout: II. Reflex effects of exogenous neurochemicals. <i>Respiration Physiology</i> , 1995, 101, 289-299.	2.8	49
29	The role of branchial and orobranchial O <sub>2</sub> chemoreceptors in the control of aquatic surface respiration in the neotropical fish tambaqui ( <i>Colossoma macropomum</i> ): progressive responses to prolonged hypoxia. <i>Journal of Experimental Biology</i> , 2006, 209, 1709-1715.	0.8	49
30	Control of breathing in anuran amphibians. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2007, 147, 665-684.	0.8	47
31	Extrabranhial chemoreceptors involved in respiratory reflexes in the neotropical fish <i>Colossoma macropomum</i> (the tambaqui). <i>Journal of Experimental Biology</i> , 2002, 205, 1765-74.	0.8	47
32	7 Afferent Inputs Associated with Cardioventilatory Control in Fish. <i>Fish Physiology</i> , 1992, 12, 389-426.	0.2	46
33	Respiratory pattern formation in the isolated bullfrog ( <i>Rana catesbeiana</i> ) brainstem-spinal cord. <i>Respiration Physiology</i> , 1998, 114, 239-255.	2.8	46
34	Do naked mole rats accumulate a metabolic acidosis or an oxygen debt in severe hypoxia?. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	45
35	Neurotransmitter profiles in fish gills: Putative gill oxygen chemoreceptors. <i>Respiratory Physiology and Neurobiology</i> , 2012, 184, 316-325.	0.7	43
36	A role for nitric oxide in the control of breathing in zebrafish ( <i>Danio rerio</i> ). <i>Journal of Experimental Biology</i> , 2015, 218, 3746-53.	0.8	43

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37	Evolutionary trends in airway CO <sub>2</sub> /H <sup>+</sup> chemoreception. <i>Respiratory Physiology and Neurobiology</i> , 2004, 144, 191-202.	0.7	42
38	Hibernation and Gas Exchange. , 2011, 1, 397-420.		42
39	The hypoxia tolerance of eight related African mole-rat species rivals that of naked mole-rats, despite divergent ventilatory and metabolic strategies in severe hypoxia. <i>Acta Physiologica</i> , 2020, 228, e13436.	1.8	41
40	Naked mole rats exhibit metabolic but not ventilatory plasticity following chronic sustained hypoxia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160216.	1.2	40
41	Do descending influences alternate to produce episodic breathing?. <i>Respiration Physiology</i> , 1997, 110, 307-317.	2.8	39
42	Adenosine receptors mediate the hypoxic ventilatory response but not the hypoxic metabolic response in the naked mole rat during acute hypoxia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141722.	1.2	39
43	Naked mole rat brain mitochondria electron transport system flux and H <sup>+</sup> leak are reduced during acute hypoxia. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	39
44	Effects of Season, Temperature, and Body Mass on the Standard Metabolic Rate of Tegu Lizards ( <i>Tupinambis merianae</i> ). <i>Physiological and Biochemical Zoology</i> , 2008, 81, 158-164.	0.6	38
45	Time domains of the hypoxic ventilatory response in ectothermic vertebrates. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 311-333.	0.7	38
46	The K <sup>A</sup> lliker-Fuse nucleus orchestrates the timing of expiratory abdominal nerve bursting. <i>Journal of Neurophysiology</i> , 2018, 119, 401-412.	0.9	38
47	Mitochondrial responses to prolonged anoxia in brain of red-eared slider turtles. <i>Biology Letters</i> , 2016, 12, 20150797.	1.0	37
48	Control of arrhythmic breathing in aerial breathers. <i>Canadian Journal of Zoology</i> , 1988, 66, 99-108.	0.4	36
49	Seasonal Changes in Daily Metabolic Patterns of Tegu Lizards ( <i>Tupinambis merianae</i> ) Placed in the Cold (17°C) and Dark. <i>Physiological and Biochemical Zoology</i> , 2008, 81, 165-175.	0.6	35
50	Altitude matters: differences in cardiovascular and respiratory responses to hypoxia in bar-headed geese reared at high and low altitudes. <i>Journal of Experimental Biology</i> , 2016, 219, 1974-1984.	0.8	34
51	Divergent respiratory and cardiovascular responses to hypoxia in bar-headed geese and Andean birds. <i>Journal of Experimental Biology</i> , 2017, 220, 4186-4194.	0.8	34
52	Pulmonary Mechanics and the Work of Breathing in the Lizard, <i>Gekko Gecko</i> . <i>Journal of Experimental Biology</i> , 1984, 113, 187-202.	0.8	33
53	THE effects of tonic lung inflation on ventilation in the American bullfrog <i>Rana catesbeiana</i> Shaw. <i>Journal of Experimental Biology</i> , 2001, 204, 2647-2656.	0.8	33
54	Cardiorespiratory reflexes and aquatic surface respiration in the neotropical fish tambaqui ( <i>Tetraodon lineatus</i> ). <i>Biochemical, Systemic, and Environmental Physiology</i> , 2004, 174, 319-328.	0.7	32

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55	Morphological and morphometric specializations of the lung of the Andean goose, <i>Chloephaga melanoptera</i> : A lifelong high-altitude resident. <i>PLoS ONE</i> , 2017, 12, e0174395.	1.1	31
56	Ventilation is coupled to metabolic demands during progressive hypothermia in rodents. <i>Respiration Physiology</i> , 1993, 92, 305-318.	2.8	30
57	Physiological Society Symposium - Vagal Control: From Axolotl to Man. <i>Experimental Physiology</i> , 2001, 86, 791-796.	0.9	30
58	Maximum Running Speed of Captive Bar-Headed Geese Is Unaffected by Severe Hypoxia. <i>PLoS ONE</i> , 2014, 9, e94015.	1.1	30
59	Effects of intrapulmonary CO <sub>2</sub> and airway pressure on pulmonary vagal afferent activity in the alligator. <i>Respiration Physiology</i> , 1988, 74, 285-298.	2.8	29
60	Effects of hibernation on blood oxygen transport in the golden-mantled ground squirrel. <i>Respiration Physiology</i> , 1994, 95, 195-208.	2.8	29
61	The conditional nature of the "Central Rhythm Generator" and the production of episodic breathing. <i>Respiratory Physiology and Neurobiology</i> , 2009, 168, 179-187.	0.7	28
62	The phylogeny of central chemoreception. <i>Respiratory Physiology and Neurobiology</i> , 2010, 173, 195-200.	0.7	28
63	Ventilation and Respiratory Sensitivity of Euthermic Columbian and Golden-mantled Ground Squirrels ( <i>Spermophilus columbianus</i> and <i>Spermophilus lateralis</i> ) during the Summer and Winter. <i>Physiological Zoology</i> , 1991, 64, 921-939.	1.5	27
64	The influence of descending inputs on breathing pattern formation in the isolated bullfrog brainstem-spinal cord. <i>Respiration Physiology</i> , 2000, 120, 197-211.	2.8	27
65	Daily and annual cycles in thermoregulatory behaviour and cardio-respiratory physiology of black and white tegu lizards. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2015, 185, 905-915.	0.7	27
66	Hypoxic cardiorespiratory reflexes in the facultative air-breathing fish jeju ( <i>Hoplerythrinus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td <i>Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 797-811.	0.7	26
67	The Interrelationship Between Pulmonary Mechanics and the Spontaneous Breathing Pattern in the Tokay Lizard, <i>Gekko Gecko</i> . <i>Journal of Experimental Biology</i> , 1984, 113, 203-214.	0.8	26
68	Are reptilian pulmonary receptors mechano- or chemosensitive?. <i>Nature</i> , 1976, 261, 327-328.	13.7	25
69	Effects of Changing Ambient Temperature on Metabolic, Heart, and Ventilation Rates during Steady State Hibernation in Golden-Mantled Ground Squirrels ( <i>Spermophilus lateralis</i> ). <i>Physiological and Biochemical Zoology</i> , 2001, 74, 714-723.	0.6	24
70	Expiration. <i>Progress in Brain Research</i> , 2014, 212, 131-147.	0.9	24
71	The relationship between body temperature, heart rate, breathing rate, and rate of oxygen consumption, in the tegu lizard ( <i>Tupinambis merianae</i> ) at various levels of activity. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2015, 185, 891-903.	0.7	24
72	Mitochondrial physiology in the skeletal and cardiac muscles is altered in torrent ducks, <i>Merganetta armata</i> , from high altitudes in the Andes. <i>Journal of Experimental Biology</i> , 2016, 219, 3719-3728.	0.8	24

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73	The KÄ¶llikerâ€™Fuse nucleus acts as a timekeeper for late-expiratory abdominal activity. <i>Neuroscience</i> , 2017, 348, 63-72.	1.1	23
74	Respiratory mechanics of eleven avian species resident at high and low altitude. <i>Journal of Experimental Biology</i> , 2017, 220, 1079-1089.	0.8	23
75	Pulmonary vagal modulation of ventilation in toads ( <i>Bufo marinus</i> ). <i>Respiration Physiology</i> , 2000, 120, 213-230.	2.8	22
76	Glutamatergic Receptors Modulate Normoxic but Not Hypoxic Ventilation and Metabolism in Naked Mole Rats. <i>Frontiers in Physiology</i> , 2019, 10, 106.	1.3	20
77	Characteristics of Mechanoreceptors in the Air-Breathing Organ of the Holostean Fish, <i>Amia Calva</i> . <i>Journal of Experimental Biology</i> , 1985, 117, 389-399.	0.8	20
78	Effects of afferent input on the breathing pattern continuum in the tambaqui ( <i>Colossoma</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	0.7	19
79	The ventilatory response to environmental hypercarbia in the South American rattlesnake, <i>Crotalus durissus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2004, 174, 281-291.	0.7	19
80	Pontine influences on respiratory control in ectothermic and heterothermic vertebrates. <i>Respiratory Physiology and Neurobiology</i> , 2004, 143, 263-280.	0.7	19
81	Role of midbrain in the control of breathing in anuran amphibians. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R447-R457.	0.9	19
82	Lactate provides a strong pH-independent ventilatory signal in the facultative air-breathing teleost <i>Pangasianodon hypophthalmus</i> . <i>Scientific Reports</i> , 2017, 7, 6378.	1.6	19
83	Characterisation of putative oxygen chemoreceptors in bowfin ( <i>Amia calva</i> ). <i>Journal of Experimental Biology</i> , 2014, 217, 1269-1277.	0.8	18
84	Hypercarbic cardiorespiratory reflexes in the facultative air-breathing fish jeju ( <i>Hoplerythrinus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 213, 2797-2807.	0.8	17
85	Ventilatory responses to acute and chronic hypoxic hypercapnia in the ground squirrel. <i>Respiration Physiology</i> , 1994, 98, 137-152.	2.8	16
86	Mechanisms of ventilation in lower vertebrates: adaptations to respiratory and nonrespiratory constraints. <i>Canadian Journal of Zoology</i> , 1989, 67, 2943-2955.	0.4	15
87	Hypoxia alters the thermogenic response to cold in adult homeothermic and heterothermic rodents. <i>Journal of Physiology</i> , 2019, 597, 4809-4829.	1.3	15
88	Vagal feedback is essential for breathing in unanesthetized ground squirrels. <i>Respiration Physiology</i> , 2001, 125, 199-212.	2.8	14
89	Ventilatory roll off during sustained hypercapnia is gender specific in pekin ducks. <i>Respiratory Physiology and Neurobiology</i> , 2007, 156, 47-60.	0.7	14
90	Daily and seasonal rhythms in the respiratory sensitivity of red-eared sliders ( <i>Trachemys scripta</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 80,8 14	0.8	14

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91	Ventilatory pattern and chemosensitivity in unanesthetized, hypothermic ground squirrels ( <i>Spermophilus lateralis</i> ). <i>Respiratory Physiology and Neurobiology</i> , 2002, 133, 49-63.	0.7	13
92	Respiratory Chemosensitivity during Wake and Sleep in Harbour Seal Pups ( <i>Phoca vitulina richardsii</i> ). <i>Physiological and Biochemical Zoology</i> , 2004, 77, 847-863.	0.6	13
93	Tackling the Tibetan Plateau in a down suit: insights into thermoregulation by bar-headed geese during migration. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	13
94	CO2 and acid-base sensing. <i>Fish Physiology</i> , 2019, 37, 33-68.	0.2	13
95	Hypothermia and recovery from respiratory arrest in a neonatal rat in vitro brain stem preparation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 282, R484-R491.	0.9	12
96	Reciprocal modulation of O2 and CO2 cardiorespiratory chemoreflexes in the tambaqui. <i>Respiratory Physiology and Neurobiology</i> , 2005, 146, 175-194.	0.7	12
97	Adaptive trends in respiratory control: a comparative perspective. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1-R10.	0.9	12
98	Acidosis and metabolic rate in golden mantled ground squirrels ( <i>Spermophilus lateralis</i> ). <i>Respiration Physiology</i> , 1993, 94, 337-351.	2.8	11
99	Thermal acclimation of surfactant secretion and its regulation by adrenergic and cholinergic agonists in type II cells isolated from warm-active and torpid golden-mantled ground squirrels, <i>Spermophilus lateralis</i> . <i>Journal of Experimental Biology</i> , 2003, 206, 3031-3041.	0.8	11
100	Control of breathing and respiratory gas exchange in ducks native to high altitude in the Andes. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	11
101	Cardiovascular responses to progressive hypoxia in ducks native to high altitude in the Andes. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	11
102	The Cardiorespiratory System in Tropical Fishes: Structure, Function, and Control. <i>Fish Physiology</i> , 2005, 21, 225-275.	0.2	10
103	The metabolic cost of breathing in red-eared sliders: An attempt to resolve an old controversy. <i>Respiratory Physiology and Neurobiology</i> , 2016, 224, 114-124.	0.7	10
104	Evolution of vertebrate respiratory central rhythm generators. <i>Respiratory Physiology and Neurobiology</i> , 2022, 295, 103781.	0.7	10
105	Riluzole disrupts autoresuscitation from hypothermic respiratory arrest in neonatal hamsters but not rats. <i>Respiratory Physiology and Neurobiology</i> , 2009, 166, 175-183.	0.7	9
106	Animal Research, Accountability, Openness and Public Engagement: Report from an International Expert Forum. <i>Animals</i> , 2019, 9, 622.	1.0	9
107	Regulation of ventilation in the caiman ( <i>Caiman latirostris</i> ): effects of inspired CO2 on pulmonary and upper airway chemoreceptors. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006, 176, 125-138.	0.7	8
108	Distribution and innervation of putative arterial chemoreceptors in the bullfrog ( <i>Rana</i> ). <i>Journal of Experimental Biology</i> , 2009, 222, 109-118.	0.9	8

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109	Respiratory mechanics and morphology of Tibetan and Andean high-altitude geese with divergent life histories. <i>Journal of Experimental Biology</i> , 2017, 221, .	0.8	8
110	Do Bar-Headed Geese Train for High Altitude Flights?. <i>Integrative and Comparative Biology</i> , 2017, 57, 240-251.	0.9	8
111	Ventilatory responses of the clown knifefish, <i>Chitala ornata</i> , to hypercarbia and hypercapnia. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 581-589.	0.7	8
112	KCNQ Current Contributes to Inspiratory Burst Termination in the Pre-Bötzinger Complex of Neonatal Rats in vitro. <i>Frontiers in Physiology</i> , 2021, 12, 626470.	1.3	8
113	Distribution and innervation of putative peripheral arterial chemoreceptors in the red-eared slider ( <i>Trachemys scripta elegans</i> ). <i>Journal of Comparative Neurology</i> , 2015, 523, 1399-1418.	0.9	7
114	Effects of low temperature on breathing pattern and ventilatory responses during hibernation in the golden-mantled ground squirrel. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 793-802.	0.7	7
115	Is the hypoxic ventilatory response driven by blood oxygen concentration?. <i>Journal of Experimental Biology</i> , 2017, 220, 956-958.	0.8	7
116	Validation of a Pulse Oximetry System for High-Altitude Waterfowl by Examining the Hypoxia Responses of the Andean Goose ( <i>Chloephaga melanoptera</i> ). <i>Physiological and Biochemical Zoology</i> , 2018, 91, 859-867.	0.6	7
117	Comparison of the CO <sub>2</sub> ventilatory response through development in three rodent species: Effect of fossoriality. <i>Respiratory Physiology and Neurobiology</i> , 2019, 264, 19-27.	0.7	7
118	The Ventilatory Response to Hypercapnia in Hibernating Golden-Mantled Ground Squirrels, <i>Spermophilus lateralis</i> . <i>Physiological Zoology</i> , 1994, 67, 739-755.	1.5	7
119	Evolutionary Trends in Respiratory Mechanisms. <i>Advances in Experimental Medicine and Biology</i> , 2008, 605, 293-298.	0.8	6
120	Time domains of the hypoxic cardio-respiratory response in bowfin ( <i>Amia calva</i> ). <i>Respiratory Physiology and Neurobiology</i> , 2014, 192, 118-127.	0.7	6
121	The respiratory mechanics of the yacare caiman ( <i>Caiman yacare</i> Daudine). <i>Journal of Experimental Biology</i> , 2018, 222, .	0.8	6
122	Cardiorespiratory interactions in the Pacific spiny dogfish, <i>Squalus suckleyi</i> . <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	6
123	Sildenafil does not improve performance in 16.1 km cycle exercise time-trial in acute hypoxia. <i>PLoS ONE</i> , 2019, 14, e0210841.	1.1	6
124	Postnatal changes in O <sub>2</sub> and CO <sub>2</sub> sensitivity in rodents. <i>Respiratory Physiology and Neurobiology</i> , 2020, 272, 103313.	0.7	6
125	A morphometric analysis of the lungs of high-altitude ducks and geese. <i>Journal of Anatomy</i> , 2020, 237, 188-196.	0.9	6
126	Respiratory responses to external ammonia in zebrafish ( <i>Danio rerio</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2021, 251, 110822.	0.8	6



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127	Evidence for a carotid body homolog in the lizard <i>Tupinambis merianae</i> . <i>Journal of Experimental Biology</i> , 2014, 218, 228-37.	0.8	5
128	Central control of air breathing in fishes. <i>Acta Histochemica</i> , 2018, 120, 691-700.	0.9	5
129	pH regulation in hibernation: Implications for ventilatory and metabolic control. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2019, 237, 110536.	0.8	5
130	Ventilatory responses of the clown knifefish, <i>Chitala ornata</i> , to arterial hypercapnia remain after gill denervation. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 673-683.	0.7	5
131	Effect of temperature, age and the pons on respiratory rhythm in the rat brainstem-spinal cord. <i>Respiratory Physiology and Neurobiology</i> , 2020, 273, 103333.	0.7	5
132	Seasonal Changes in Thermoregulatory Strategies of Tegu Lizards. , 2012, , 317-324.		5
133	Control of Breathing in Elasmobranchs. <i>Fish Physiology</i> , 2015, 34, 83-126.	0.2	4
134	Changes in CO <sub>2</sub> sensitivity during entrance into, and arousal from hibernation in <i>Ictidomys tridecemlineatus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2022, 192, 361-378.	0.7	4
135	Extrinsic nerves are not involved in branchial 5-HT dynamics or pulsatile urea excretion in Gulf toadfish, <i>Opsanus beta</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2017, 214, 58-65.	0.8	3
136	Control of Cardiac and Ventilation Frequencies During Hibernation in Ground Squirrels. , 2000, , 159-167.		3
137	Effects of hypoxia on the respiratory and metabolic responses to progressive cooling in newborn rodents that range in heterothermic expression. <i>Experimental Physiology</i> , 2021, 106, 1005-1023.	0.9	2
138	Respiratory development in burrowing rodents: Effect of perinatal hypercapnia. <i>Respiratory Physiology and Neurobiology</i> , 2021, 288, 103640.	0.7	2
139	Heart rate and metabolic rate of bar-headed geese flying in hypoxia. <i>FASEB Journal</i> , 2013, 27, 1149.16.	0.2	2
140	Ventilatory sensitivity to ambient CO <sub>2</sub> at different hibernation temperatures in 13-lined ground squirrels ( <i>Ictidomys tridecemlineatus</i> ). <i>Physiological and Biochemical Zoology</i> , 2022, 95, 288-301.	0.6	2
141	CARDIORESPIRATORY SUPPORT OF AVIAN FLIGHT. <i>Journal of Experimental Biology</i> , 2011, 214, 4071-4072.	0.8	1
142	Temperature effects on the metabolism of amphibians and reptiles: Caveats and recommendations. , 2017, , 129-154.		1
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