Frank van Breukelen

List of Publications by Year in Descending Order

34 papers	533 citations	12 h-index	22 g-index
35 ext. papers	615 ext. citations	2.9 avg, IF	3.87 L-index

#	Paper	IF	Citations
34	Epigenomics as a paradigm to understand the nuances of phenotypes.. *Journal of Experimental Biology*, **2022**, 225,	3	1
33	Liver proteome response to torpor in a basoendothermic mammal, , provides insights into the evolution of homeothermy. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 321, R614-R624	3.2	0
32	The gut microbiome and its potential role in paradoxical anaerobism in pupfishes of the Mojave Desert. *Animal Microbiome*, **2020**, 2, 20	4.1	7
31	Care and propagation of captive pupfish from the genus Cyprinodon: insight into conservation. *Environmental Biology of Fishes*, **2019**, 102, 1015-1024	1.6	4
30	Population-Level Resistance to Chytridiomycosis is Life-Stage Dependent in an Imperiled Anuran. *EcoHealth*, **2019**, 16, 701-711	3.1	8
29	Effects of chlorpyrifos and trichloropyridinol on HEK 293 human embryonic kidney cells. *Chemosphere*, **2018**, 191, 537-547	8.4	12
28	Systematic approach to isolating Batrachochytrium dendrobatidis. *Diseases of Aquatic Organisms*, **2018**, 127, 243-247	1.7	10
27	Oxygen consumption of desert pupfish at ecologically relevant temperatures suggests a significant role for anaerobic metabolism. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2018**, 188, 821-830	2.2	4
26	Extreme physiological plasticity in a hibernating basoendothermic mammal,. *Journal of Experimental Biology*, **2018**, 221,	3	17
25	Batrachochytrium dendrobatidis and the Decline and Survival of the Relict Leopard Frog. *EcoHealth* , **2017**, 14, 285-295	3.1	8
24	Oxygen Consumption is Limited at an Ecologically Relevant Rearing Temperature in Pupfish Eggs. *Journal of Experimental Zoology*, **2016**, 325, 539-547		3
23	Applying systems-level approaches to elucidate regulatory function during mammalian hibernation. *Temperature*, **2016**, 3, 524-526	5.2	1
22	The Hibernation Continuum: Physiological and Molecular Aspects of Metabolic Plasticity in Mammals. *Physiology*, **2015**, 30, 273-81	9.8	61
21	Paradoxical anaerobism in desert pupfish. *Journal of Experimental Biology*, **2015**, 218, 3739-45	3	15
20	Forced exercise before or after induction of 6-OHDA-mediated nigrostriatal insult does not mitigate behavioral asymmetry in a hemiparkinsonian rat model. *Brain Research*, **2014**, 1543, 263-70	3.7	14
19	A refined technique for sciatic denervation in a golden-mantled ground squirrel (Callospermophilus lateralis) model of disuse atrophy. *Lab Animal*, **2014**, 43, 203-6	0.4	1
18	A systems-level approach to understanding transcriptional regulation by p53 during mammalian hibernation. *Journal of Experimental Biology*, **2014**, 217, 2489-98	3	11

List of Publications

17	A comparison of voluntary and forced exercise in protecting against behavioral asymmetry in a juvenile hemiparkinsonian rat model. *Behavioural Brain Research*, **2013**, 248, 121-8	3.4	21
16	Prematurely induced arousal from hibernation alters key aspects of warming in golden-mantled ground squirrels, Callospermophilus lateralis. *Journal of Thermal Biology*, **2013**, 38, 570-575	2.9	10
15	Construction of a low cost and highly sensitive direct heat calorimeter suitable for estimating metabolic rate in small animals. *Journal of Thermal Biology*, **2013**, 38, 508-512	2.9	6
14	THE EFFECTS OF GLOBAL CLIMATE CHANGE ON THE ENERGETICS OF AN ENDANGERED DESERT PUPFISH. *FASEB Journal*, **2011**, 25, lb529	0.9	
13	Vertebrate cell death in energy-limited conditions and how to avoid it: what we might learn from mammalian hibernators and other stress-tolerant vertebrates. *Apoptosis: an International Journal on Programmed Cell Death*, **2010**, 15, 386-99	5.4	30
12	Physiological implications of natural versus induced arousal from torpor. *FASEB Journal*, **2010**, 24, 1055.169	0.9	
11	Bone strength is maintained after 8 months of inactivity in hibernating golden-mantled ground squirrels, Spermophilus lateralis. *Journal of Experimental Biology*, **2009**, 212, 2746-52	3	28
10	One year in the life of Bufo punctatus: annual patterns of body temperature in a free-ranging desert anuran. *Die Naturwissenschaften*, **2008**, 95, 531-5	2	4
9	Dysregulation of SUMOylation During Hibernation. *FASEB Journal*, **2008**, 22, 757.31	0.9	
8	IRES mediated initiation of translation during mammalian hibernation. *FASEB Journal*, **2008**, 22, 757.30	0.9	
7	Natural versus induced arousal from torpor: differences in fuel utilization and rewarming dynamics. *FASEB Journal*, **2008**, 22, 107-107	0.9	
6	Temporal and temperature effects on the maximum rate of rewarming from hibernation. *Journal of Thermal Biology*, **2007**, 32, 276-281	2.9	6
5	Desert Survivors: the design and implementation of a television program to enhance local scientific literacy. *American Journal of Physiology - Advances in Physiology Education*, **2007**, 31, 1-4	1.9	1
4	Ubiquitylation of proteins in livers of hibernating golden-mantled ground squirrels, Spermophilus lateralis. *Cryobiology*, **2007**, 55, 230-5	2.7	20
3	Proteolysis is depressed during torpor in hibernators at the level of the 20S core protease. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2005**, 175, 329-35	2.2	37
2	Invited review: molecular adaptations in mammalian hibernators: unique adaptations or generalized responses?. *Journal of Applied Physiology*, **2002**, 92, 2640-7	3.7	99
1	Translational initiation is uncoupled from elongation at 18 degrees C during mammalian hibernation. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2001**, 281, R1374-9	3.2	94