

Sylvain Giroud

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,389
citations

361413

20
h-index

377865

34
g-index

38
all docs

38
docs citations

38
times ranked

1625
citing authors

#	ARTICLE	IF	CITATIONS
1	One for all and all for one: the energetic benefits of huddling in endotherms. <i>Biological Reviews</i> , 2010, 85, 545-569.	10.4	232
2	Muscle Non-shivering Thermogenesis and Its Role in the Evolution of Endothermy. <i>Frontiers in Physiology</i> , 2017, 8, 889.	2.8	113
3	Adipose tissue-specific inactivation of the retinoblastoma protein protects against diabetes because of increased energy expenditure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10703-10708.	7.1	95
4	Membrane Phospholipid Fatty Acid Composition Regulates Cardiac SERCA Activity in a Hibernator, the Syrian Hamster (<i>Mesocricetus auratus</i>). <i>PLoS ONE</i> , 2013, 8, e63111.	2.5	81
5	Seasonal Control of Mammalian Energy Balance: Recent Advances in the Understanding of Daily Torpor and Hibernation. <i>Journal of Neuroendocrinology</i> , 2016, 28, .	2.6	80
6	Seasonal reproductive tactics: annual timing and the capital-to-income breeder continuum. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160250.	4.0	72
7	Chronic food shortage and seasonal modulations of daily torpor and locomotor activity in the grey mouse lemur (<i>Microcebus murinus</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1958-R1967.	1.8	63
8	Ecophysiology of Omega Fatty Acids: A Lid for Every Jar. <i>Physiology</i> , 2015, 30, 232-240.	3.1	51
9	Lifelong Effects of Thermal Challenges During Development in Birds and Mammals. <i>Frontiers in Physiology</i> , 2020, 11, 419.	2.8	51
10	Role of huddling on the energetic of growth in a newborn altricial mammal. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R867-R876.	1.8	48
11	Late-born intermittently fasted juvenile garden dormice use torpor to grow and fatten prior to hibernation: consequences for ageing processes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141131.	2.6	47
12	Always a price to pay: hibernation at low temperatures comes with a trade-off between energy savings and telomere damage. <i>Biology Letters</i> , 2019, 15, 20190466.	2.3	42
13	The Torpid State: Recent Advances in Metabolic Adaptations and Protective Mechanisms. <i>Frontiers in Physiology</i> , 2020, 11, 623665.	2.8	41
14	Dietary Lipids Affect the Onset of Hibernation in the Garden Dormouse (<i>Eliomys quercinus</i>): Implications for Cardiac Function. <i>Frontiers in Physiology</i> , 2018, 9, 1235.	2.8	37
15	Private Heat for Public Warmth: How Huddling Shapes Individual Thermogenic Responses of Rabbit Pups. <i>PLoS ONE</i> , 2012, 7, e33553.	2.5	35
16	Dietary palmitate and linoleate oxidations, oxidative stress, and DNA damage differ according to season in mouse lemurs exposed to a chronic food deprivation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R950-R959.	1.8	30
17	Implications of being born late in the active season for growth, fattening, torpor use, winter survival and fecundity. <i>ELife</i> , 2018, 7, .	6.0	26
18	Lipidomics Reveals Seasonal Shifts in a Large-Bodied Hibernator, the Brown Bear. <i>Frontiers in Physiology</i> , 2019, 10, 389.	2.8	25

#	ARTICLE	IF	CITATIONS
19	The Grey Mouse Lemur Uses Season-Dependent Fat or Protein Sparing Strategies to Face Chronic Food Restriction. <i>PLoS ONE</i> , 2010, 5, e8823.	2.5	22
20	Insights in the regulation of trimethylamine N-oxide production using a comparative biomimetic approach suggest a metabolic switch in hibernating bears. <i>Scientific Reports</i> , 2020, 10, 20323.	3.3	21
21	Seasonal changes in eicosanoid metabolism in the brown bear. <i>Die Naturwissenschaften</i> , 2018, 105, 58.	1.6	19
22	MicroRNAs facilitate skeletal muscle maintenance and metabolic suppression in hibernating brown bears. <i>Journal of Cellular Physiology</i> , 2020, 235, 3984-3993.	4.1	19
23	Gut hormones in relation to body mass and torpor pattern changes during food restriction and re-feeding in the gray mouse lemur. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 99-111.	1.5	16
24	Differences in growth rates and pre-hibernation body mass gain between early and late-born juvenile garden dormice. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 253-263.	1.5	16
25	Body Protein Sparing in Hibernators: A Source for Biomedical Innovation. <i>Frontiers in Physiology</i> , 2021, 12, 634953.	2.8	15
26	The costs of locomotor activity? Maximum body temperatures and the use of torpor during the active season in edible dormice. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 803-814.	1.5	14
27	Integrating Mortality Risk and the Adaptiveness of Hibernation. <i>Frontiers in Physiology</i> , 2020, 11, 706.	2.8	13
28	Dynamic Function and Composition Shift in Circulating Innate Immune Cells in Hibernating Garden Dormice. <i>Frontiers in Physiology</i> , 2021, 12, 620614.	2.8	8
29	An hourglass mechanism controls torpor bout length in hibernating garden dormice. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	8
30	Hibernating brown bears are protected against atherogenic dyslipidemia. <i>Scientific Reports</i> , 2021, 11, 18723.	3.3	6
31	Hypothesis and Theory: A Two-Process Model of Torpor-Arousal Regulation in Hibernators. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	6
32	The Ratio of Linoleic and Linolenic Acid in the Pre-hibernation Diet Influences NF κ B Signaling in Garden Dormice During Torpor. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 97.	3.5	4
33	Regulation of Peroxisome Proliferator-Activated Receptor Pathway During Torpor in the Garden Dormouse, <i>Eliomys quercinus</i> . <i>Frontiers in Physiology</i> , 2020, 11, 615025.	2.8	4
34	Living in a changing world: Physiological and behavioural flexibility of juvenile Garden Dormice. <i>ARPHA Conference Abstracts</i> , 0, 5, .	0.0	2
35	Sticking Together: Energetic Consequences of Huddling Behavior in Hibernating Juvenile Garden Dormice. <i>Physiological and Biochemical Zoology</i> , 2022, 95, 400-415.	1.5	2
36	Editorial: Coping With Environmental Fluctuations: Ecological and Evolutionary Perspectives. <i>Frontiers in Physiology</i> , 2020, 11, 605186.	2.8	1