Sandra L Martin

List of Publications by Year
in descending order

26 papers	1,219 citations	516710 16 h-index	610901 24 g-index
30 all docs	30 docs citations	30 times ranked	1268 citing authors

#	Article	IF	Citations
1	Liver Transcriptome Dynamics During Hibernation Are Shaped by a Shifting Balance Between Transcription and RNA Stability. Frontiers in Physiology, 2021, 12, 662132.	2.8	11
2	Dynamic RNA Regulation in the Brain Underlies Physiological Plasticity in a Hibernating Mammal. Frontiers in Physiology, 2020, 11, 624677.	2.8	10
3	Water Balance: Abstaining from Obtaining While Retaining. Current Biology, 2019, 29, R925-R927.	3.9	0
4	Shifts in metabolic fuel use coincide with maximal rates of ventilation and body surface rewarming in an arousing hibernator. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 316, R764-R775.	1.8	10
5	Engineering Human Stasis for Long-Duration Spaceflight. Physiology, 2019, 34, 101-111.	3.1	38
6	Genetic variation drives seasonal onset of hibernation in the 13-lined ground squirrel. Communications Biology, 2019, 2, 478.	4.4	28
7	On the move. ELife, 2018, 7, .	6.0	4
8	Dynamic temperature-sensitive A-to-I RNA editing in the brain of a heterothermic mammal during hibernation. Rna, 2018, 24, 1481-1495.	3.5	31
9	Comparative tissue transcriptomics highlights dynamic differences among tissues but conserved metabolic transcript prioritization in preparation for arousal from torpor. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 735-748.	1.5	10
10	Prioritization of skeletal muscle growth for emergence from hibernation. Journal of Experimental Biology, 2015, 218, 276-84.	1.7	40
11	The Hibernation Continuum: Physiological and Molecular Aspects of Metabolic Plasticity in Mammals. Physiology, 2015, 30, 273-281.	3.1	81
12	Enhanced stability and polyadenylation of select mRNAs support rapid thermogenesis in the brown fat of a hibernator. ELife, 2015, 4, .	6.0	29
13	Intrinsic circannual rhythm controls protein dynamics in a hibernator to support rapid heat production. Temperature, 2014, 1, 80-81.	3.0	0
14	Metabolic changes associated with the long winter fast dominate the liver proteome in 13-lined ground squirrels. Physiological Genomics, 2014, 46, 348-361.	2.3	49
15	Theme and Variations: Heterothermy in Mammals. Integrative and Comparative Biology, 2014, 54, 439-442.	2.0	10
16	A Role for Retrotransposon LINE-1 in Fetal Oocyte Attrition in Mice. Developmental Cell, 2014, 29, 521-533.	7.0	189
17	Cytoskeletal regulation dominates proteomic changes associated with hibernation in 13â€lined ground squirrels. FASEB Journal, 2013, 27, lb735.	0.5	0
18	Nucleic acid chaperone properties of ORF1p from the non-LTR retrotransposon, LINE-1. RNA Biology, 2010, 7, 706-711.	3.1	78

#	Article	IF	Citations
19	A single amino acid substitution in ORF1 dramatically decreases L1 retrotransposition and provides insight into nucleic acid chaperone activity. Nucleic Acids Research, 2008, 36, 5845-5854.	14.5	47
20	Mammalian hibernation: a naturally reversible model for insulin resistance in man?. Diabetes and Vascular Disease Research, 2008, 5, 76-81.	2.0	82
21	Proteomic analysis of the winter-protected phenotype of hibernating ground squirrel intestine. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R316-R328.	1.8	45
22	LINE-1 Retrotransposition Requires the Nucleic Acid Chaperone Activity of the ORF1 Protein. Journal of Molecular Biology, 2005, 348, 549-561.	4.2	150
23	Trimeric structure for an essential protein in L1 retrotransposition. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13815-13820.	7.1	109
24	Translational initiation is uncoupled from elongation at 18Â°C during mammalian hibernation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R1374-R1379.	1.8	116
25	mRNA Stability and Polysome Loss in Hibernating Arctic Ground Squirrels (Spermophilus parryii). Molecular and Cellular Biology, 2000, 20, 6374-6379.	2.3	7
26	Preservation of intestinal gene expression during hibernation. American Journal of Physiology - Renal Physiology, 1996, 271, G805-G813.	3.4	32