Lisa R Leon

List of Publications by Year
in descending order

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Version: 2024-02-01

62 papers	4,222 citations	212478 28 h-index	190340 53 g-index
63 all docs	63 docs citations	63 times ranked	5520 citing authors

#	Article	IF	Citations
1	Classic and exertional heatstroke. Nature Reviews Disease Primers, 2022, 8, 8.	18.1	128
2	The Influence of Ovariectomy on Performance and Thermoregulation During Exertional Heat Stroke in Mice. FASEB Journal, 2022, 36, .	0.2	0
3	Prior viral illness increases heat stroke severity in mice. Experimental Physiology, 2021, 106, 244-257.	0.9	9
4	The Role of Skeletal Muscles in Exertional Heat Stroke Pathophysiology. International Journal of Sports Medicine, 2021, 42, 673-681.	0.8	17
5	Impact of successive exertional heat injuries on thermoregulatory and systemic inflammatory responses in mice. Journal of Applied Physiology, 2021, 131, 1469-1485.	1.2	5
6	Coagulopathy signature precedes and predicts severity of endâ€organ heat stroke pathology in a mouse model. Journal of Thrombosis and Haemostasis, 2020, 18, 1900-1910.	1.9	30
7	Biochemical recovery from exertional heat stroke follows a 16-day time course. PLoS ONE, 2020, 15, e0229616.	1.1	31
8	Overlapping Mechanisms of Exertional Heat Stroke and Malignant Hyperthermia: Evidence vs. Conjecture. Sports Medicine, 2020, 50, 1581-1592.	3.1	22
9	Delayed metabolic dysfunction in myocardium following exertional heat stroke in mice. Journal of Physiology, 2020, 598, 967-985.	1.3	30
10	Biochemical recovery from exertional heat stroke follows a 16-day time course. , 2020, 15, e0229616.		0
11	Biochemical recovery from exertional heat stroke follows a 16-day time course. , 2020, 15, e0229616.		0
12	Biochemical recovery from exertional heat stroke follows a 16-day time course. , 2020, 15, e0229616.		0
13	Biochemical recovery from exertional heat stroke follows a 16-day time course. , 2020, 15, e0229616.		0
14	Influence of prior illness on exertional heat stroke presentation and outcome. PLoS ONE, 2019, 14, e0221329.	1.1	12
15	Controversies in exertional heat stroke diagnosis, prevention, and treatment. Journal of Applied Physiology, 2019, 127, 1338-1348.	1.2	62
16	Use of the heat tolerance test to assess recovery from exertional heat stroke. Temperature, 2019, 6, 106-119.	1.7	27
17	Sex-dependent responses to exertional heat stroke in mice. Journal of Applied Physiology, 2018, 125, 841-849.	1.2	30
18	Global risk of deadly heat. Nature Climate Change, 2017, 7, 501-506.	8.1	887

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19	Pretreatment with indomethacin results in increased heat stroke severity during recovery in a rodent model of heat stroke. Journal of Applied Physiology, 2017, 123, 544-557.	1.2	14
20	Unique cytokine and chemokine responses to exertional heat stroke in mice. Journal of Applied Physiology, 2017, 122, 296-306.	1.2	47
21	Altered hypothalamic inflammatory gene expression correlates with heat stroke severity in a conscious rodent model. Brain Research, 2016, 1637, 81-90.	1.1	13
22	Common mechanisms for the adaptive responses to exercise and heat stress. Journal of Applied Physiology, 2016, 120, 662-663.	1.2	4
23	Biomarkers of multiorgan injury in a preclinical model of exertional heat stroke. Journal of Applied Physiology, 2015, 118, 1207-1220.	1.2	50
24	Point-of-care cardiac troponin test accurately predicts heat stroke severity in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1264-R1272.	0.9	10
25	Modeling the inflammatory response in the hypothalamus ensuing heat stroke: Iterative cycle of model calibration, identifiability analysis, experimental design and data collection. Mathematical Biosciences, 2015, 260, 35-46.	0.9	4
26	Cardiovascular and thermoregulatory biomarkers of heat stroke severity in a conscious rat model. Journal of Applied Physiology, 2014, 117, 971-978.	1.2	40
27	Heat stroke activates a stress-induced cytokine response in skeletal muscle. Journal of Applied Physiology, 2013, 115, 1126-1137.	1.2	66
28	Attenuated thermoregulatory, metabolic, and liver acute phase protein response to heat stroke in TNF receptor knockout mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R1421-R1432.	0.9	26
29	A 3-D mathematical model to identify organ-specific risks in rats during thermal stress. Journal of Applied Physiology, 2013, 115, 1822-1837.	1.2	19
30	Modeling the Intra- and Extracellular Cytokine Signaling Pathway under Heat Stroke in the Liver. PLoS ONE, 2013, 8, e73393.	1.1	14
31	Decreased tight junction gene expression in the duodenum following heat stroke in F344 rats. FASEB Journal, 2012, 26, 1084.15.	0.2	0
32	Hysteresis in the heart rateâ€•core temperature relationship during acute heat stress in rats: implications for systemic hemodynamics. FASEB Journal, 2012, 26, lb742.	0.2	0
33	Mechanisms of Hypothermia, Delayed Hyperthermia and Fever Following CNS Injury. American Journal of Neuroprotection and Neuroregeneration, 2012, 4, 4-19.	0.1	0
34	A physiological systems approach to modeling and resetting of mouse thermoregulation under heat stress. Journal of Applied Physiology, 2011, 111, 938-945.	1.2	10
35	Tissue and circulating expression of IL-1 family members following heat stroke. Physiological Genomics, 2011, 43, 1096-1104.	1.0	30
36	The spleen as a potential source of ILâ€•1 family cytokines following heat stroke. FASEB Journal, 2011, 25, 614.13.	0.2	0

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37	Environmental enrichment of laboratory rodents: the answer depends on the question. Comparative Medicine, 2011, 61, 314-21.	0.4	73
38	Heat stroke: Role of the systemic inflammatory response. Journal of Applied Physiology, 2010, 109, 1980-1988.	1.2	354
39	Clinical measures of heat stroke recovery do not reflect tissue injury in a conscious rat model. FASEB Journal, 2010, 24, 991.1.	0.2	0
40	KSR2 Is an Essential Regulator of AMP Kinase, Energy Expenditure, and Insulin Sensitivity. Cell Metabolism, 2009, 10, 366-378.	7.2	128
41	Thermoregulatory responses to environmental toxicants: The interaction of thermal stress and toxicant exposure. Toxicology and Applied Pharmacology, 2008, 233, 146-161.	1.3	53
42	Effects of indomethacin and buprenorphine analgesia on the postoperative recovery of mice. Journal of the American Association for Laboratory Animal Science, 2008, 47, 8-19.	0.6	124
43	Heat stroke and cytokines. Progress in Brain Research, 2007, 162, 481-524.	0.9	89
44	Time course of cytokine, corticosterone, and tissue injury responses in mice during heat strain recovery. Journal of Applied Physiology, 2006, 100, 1400-1409.	1.2	126
45	The thermoregulatory consequences of heat stroke: Are cytokines involved?. Journal of Thermal Biology, 2006, 31, 67-81.	1.1	40
46	The use of gene knockout mice in thermoregulation studies. Journal of Thermal Biology, 2005, 30, 273-288.	1.1	19
47	Heat stress induces a biphasic thermoregulatory response in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R197-R204.	0.9	114
48	Thermal Stress and the Physiological Response to Environmental Toxicants. Reviews on Environmental Health, 2005, 20, 235-63.	1.1	19
49	Biotelemetry transmitter implantation in rodents: impact on growth and circadian rhythms. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R967-R974.	0.9	71
50	Invited Review: Cytokine regulation of fever: studies using gene knockout mice. Journal of Applied Physiology, 2002, 92, 2648-2655.	1.2	185
51	Effect of Interleukin-11 on Body Temperature in Afebrile and Febrile Rats. NeuroImmunoModulation, 2000, 8, 8-12.	0.9	1
52	Lack of Obesity and Normal Response to Fasting and Thyroid Hormone in Mice Lacking Uncoupling Protein-3. Journal of Biological Chemistry, 2000, 275, 16251-16257.	1.6	342
53	THE USE OF KNOCKOUT MICE TO UNDERSTAND THE ROLE OF CYTOKINES IN FEVER. Clinical and Experimental Pharmacology and Physiology, 1998, 25, 141-144.	0.9	49
54	IL-6 and IL-1beta in Fever: Studies Using Cytokine-Deficient (Knockout) Micea. Annals of the New York Academy of Sciences, 1998, 856, 33-47.	1.8	166

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55	Role of IL-10 in Inflammation: Studies Using Cytokine Knockout Micea. Annals of the New York Academy of Sciences, 1998, 856, 69-75.	1.8	48
56	Role of Fever in Disease. Annals of the New York Academy of Sciences, 1998, 856, 224-233.	1.8	206
57	Anterior Hypothalamic Interleukin-1 Receptors Are Involved in Mediation of Fever during Bacterial Sepsis in Ratsa. Annals of the New York Academy of Sciences, 1998, 856, 266-269.	1.8	5
58	Altered Acute Phase Responses to Inflammation in IL-1 and TNF Receptor Knockout Mice. Annals of the New York Academy of Sciences, 1997, 813, 244-254.	1.8	9
59	Soluble Tumor Necrosis Factor ? Receptor Prevents Decrease of Body Temperature in Mice Treated with Indomethacin and Lipopolysaccharide. Annals of the New York Academy of Sciences, 1997, 813, 264-271.	1.8	23
60	Hemorrhage Suppresses Fever, Interleukin-6, and Tumor Necrosis Factor-Î±Responses to Lipopolysaccharide in Rats. NeuroImmunoModulation, 1996, 3, 239-246.	0.9	2
61	Cytokines and Fever. NeuroImmunoModulation, 1995, 2, 216-223.	0.9	95
62	Skeletal growth and function in the California gull (<i>Larus californicus</i>). Journal of Zoology, 1990, 222, 375-389.	0.8	146