Torkjel Tveita

List of Publications by Year
in descending order

55	768	567281 15	552781 26
papers	citations	h-index	g-index

55	55	55	349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Myocardial mechanical dysfunction and calcium overload following rewarming from experimental hypothermia in vivo. Cryobiology, 2008, 56, 15-21.	0.7	73
2	Changes in cardiovascular Î²-adrenoceptor responses during hypothermia. Cryobiology, 2008, 57, 246-250.	0.7	61
3	Left ventricular dysfunction following rewarming from experimental hypothermia. Journal of Applied Physiology, 1998, 85, 2135-2139.	2.5	59
4	Experimental Hypothermia. Anesthesia and Analgesia, 1994, 79, 212???218.	2.2	51
5	Changes in cardiovascular effects of dopamine in response to graded hypothermia in vivo*. Critical Care Medicine, 2012, 40, 178-186.	0.9	47
6	Mechanisms underlying hypothermia-induced cardiac contractile dysfunction. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H890-H897.	3.2	43
7	Hypothermia and cardiac electrophysiology: a systematic review of clinical and experimental data. Cardiovascular Research, 2019, 115, 501-509.	3.8	40
8	Post-hypothermic cardiac left ventricular systolic dysfunction after rewarming in an intact pig model. Critical Care, 2010, 14, R211.	5.8	32
9	Is oxygen supply a limiting factor for survival during rewarming from profound hypothermia?. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H441-H450.	3.2	30
10	CHANGES IN VENTRICULAR FIBRILLATION THRESHOLD DURING ACUTE HYPOTHERMIA. A MODEL FOR FUTURE STUDIES. Journal of Basic and Clinical Physiology and Pharmacology, 1993, 4, 313-9.	1.3	28
11	Moderate but not severe hypothermia causes pro-arrhythmic changes in cardiac electrophysiology. Cardiovascular Research, 2020, 116, 2081-2090.	3.8	27
12	Hypothermia/rewarming disrupts excitation-contraction coupling in cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1533-H1540.	3.2	22
13	Cardiovascular effects of levosimendan during rewarming from hypothermia in rat. Cryobiology, 2014, 69, 402-410.	0.7	18
14	The physiologic responses to epinephrine during cooling and after rewarming in vivo. Critical Care, 2011, 15, R225.	5.8	17
15	Negative inotropic effects of epinephrine in the presence of increased Î²-adrenoceptor sensitivity during hypothermia in a rat model. Cryobiology, 2015, 70, 9-16.	0.7	17
16	Milrinone ameliorates cardiac mechanical dysfunction after hypothermia in an intact rat model. Cryobiology, 2014, 69, 361-366.	0.7	16
17	Effects of milrinone on left ventricular cardiac function during cooling in an intact animal model. Cryobiology, 2012, 65, 27-32.	0.7	13
18	Altered pharmacological effects of adrenergic agonists during hypothermia. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2016, 24, 143.	2.6	13

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19	Organ blood flow and O₂ transport during hypothermia (27Â°C) and rewarming in a pig model. Experimental Physiology, 2019, 104, 50-60.	2.0	13
20	Physiological Impact of Hypothermia: The Good, the Bad, and the Ugly. Physiology, 2022, 37, 69-87.	3.1	13
21	Cardiac troponin-I phosphorylation underlies myocardial contractile dysfunction induced by hypothermia rewarming. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H726-H731.	3.2	12
22	Changes in myocardial ultrastructure induced by cooling as well as rewarming. Research in Experimental Medicine, 1997, 197, 243-254.	0.7	11
23	A novel ECG-biomarker for cardiac arrest during hypothermia. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2020, 28, 27.	2.6	11
24	Role of superoxide ion formation in hypothermia/rewarming induced contractile dysfunction in cardiomyocytes. Cryobiology, 2018, 81, 57-64.	0.7	10
25	Physiological Changes in Subjects Exposed to Accidental Hypothermia: An Update. Frontiers in Medicine, 2022, 9, 824395.	2.6	9
26	Myocardial gene expression profiling of rewarming shock in a rodent model of accidental hypothermia. Cryobiology, 2012, 64, 201-210.	0.7	7
27	Effects of hypothermia and rewarming on cardiovascular autonomic control in vivo. Journal of Applied Physiology, 2018, 124, 850-859.	2.5	7
28	Coronary endothelium-derived vasodilation during cooling and rewarming of the in situ heart. Canadian Journal of Physiology and Pharmacology, 1999, 77, 56-63.	1.4	6
29	The beneficial hemodynamic effects of afterload reduction by sodium nitroprusside during rewarming from experimental hypothermia. Cryobiology, 2017, 77, 75-81.	0.7	6
30	Discontinued stimulation of cardiomyocytes provides protection against hypothermiaâ€“rewarmingâ€induced disruption of excitationâ€“contraction coupling. Experimental Physiology, 2018, 103, 819-826.	2.0	6
31	The influences of morphine or ketamine pre-treatment on hemodynamic, acid-base status, biochemical markers of brain damage and early survival in rats after asphyxial cardiac arrest. BMC Anesthesiology, 2019, 19, 214.	1.8	6
32	Resistance to ventricular fibrillation predicted by the QRS/QTc - Ratio in an intact rat model of hypothermia/rewarming. Cryobiology, 2021, 98, 33-38.	0.7	6
33	Study of the Effects of 3 h of Continuous Cardiopulmonary Resuscitation at 27Â°C on Global Oxygen Transport and Organ Blood Flow. Frontiers in Physiology, 2020, 11, 213.	2.8	5
34	Comparison Between Two Pharmacologic Strategies to Alleviate Rewarming Shock: Vasodilation vs. Inodilation. Frontiers in Medicine, 2020, 7, 566388.	2.6	4
35	Effects of rewarming with extracorporeal membrane oxygenation to restore oxygen transport and organ blood flow after hypothermic cardiac arrest in a porcine model. Scientific Reports, 2021, 11, 18918.	3.3	4
36	Continuous Hemodynamic Monitoring in an Intact Rat Model of Simulated Diving. Frontiers in Physiology, 2019, 10, 1597.	2.8	4

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37	Maintaining intravenous volume mitigates hypothermiaâ€induced myocardial dysfunction and accumulation of intracellular Ca 2+. Experimental Physiology, 2021, 106, 1196-1207.	2.0	3
38	Treatment of Cardiovascular Dysfunction With PDE5-Inhibitors â€“ Temperature Dependent Effects on Transport and Metabolism of cAMP and cGMP. Frontiers in Physiology, 2021, 12, 695779.	2.8	3
39	Treatment of Cardiovascular Dysfunction with PDE3-Inhibitors in Moderate and Severe Hypothermiaâ€"Effects on Cellular Elimination of Cyclic Adenosine Monophosphate and Cyclic Guanosine Monophosphate. Frontiers in Physiology, 0, 13, .	2.8	3
40	Effects of Constant Flow vs. Constant Pressure Perfusion on Fluid Filtration in Severe Hypothermic Isolated Blood-Perfused Rat Lungs. Frontiers in Medicine, 2016, 3, 70.	2.6	2
41	Extracorporeal rewarming from experimental hypothermia: Effects of hydroxyethyl starch versus saline priming on fluid balance and blood flow distribution. Experimental Physiology, 2019, 104, 1353-1362.	2.0	2
42	Cardiovascular Effects of Epinephrine During Experimental Hypothermia (32Â°C) With Spontaneous Circulation in an Intact Porcine Model. Frontiers in Physiology, 2021, 12, 718667.	2.8	2
43	Effects of Cold Decompression on Hemodynamic Function and Decompression Sickness Risk in a Dry Diving Rat Model. Frontiers in Physiology, 2021, 12, 763975.	2.8	2
44	Cooling to Hypothermic Circulatory Arrest by Immersion vs. Cardiopulmonary Bypass (CPB): Worse Outcome After Rewarming in Immersion Cooled Pigs. Frontiers in Physiology, 2022, 13, 862729.	2.8	2
45	Enhanced Blood Clotting After Rewarming From Experimental Hypothermia in an Intact Porcine Model. Frontiers in Physiology, 2022, 13, 901908.	2.8	1
46	Autoregulation of Cerebral Blood Flow During 3-h Continuous Cardiopulmonary Resuscitation at 27Â°C. Frontiers in Physiology, 0, 13, .	2.8	1
47	Rewarming With Closed Thoracic Lavage Following 3-h CPR at 27Â°C Failed to Reestablish a Perfusing Rhythm. Frontiers in Physiology, 2021, 12, 741241.	2.8	0
48	Left ventricular pressureâ€volume relationship following rewarming from experimental hypothermia in rat. FASEB Journal, 2006, 20, A1197.	0.5	0
49	The physiologic response to isoproterenol during hypothermia and rewarming. FASEB Journal, 2007, 21, A1256.	0.5	0
50	Effects of epinephrine and superoxide disumutase on cardiac myocyte function during rewarming following hypothermia. FASEB Journal, 2007, 21, A582.	0.5	0
51	Altered cardiac mitochondrial Ca ²⁺ regulation during rewarming following hypothermia. FASEB Journal, 2007, 21, A582.	0.5	0
52	Mechanisms Underlying Mechanical Dysfunction After Rewarming From Hypothermia. FASEB Journal, 2009, 23, 953.14.	0.5	0
53	Gap-junction uncoupling as a pharmacological strategy to prevent hypothermia-induced ventricular fibrillation. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-2-79.	0.0	0
54	Gap-junction uncoupling as a pharmacological strategy to prevent hypothermia-induced ventricular fibrillation. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, YIA-3.	0.0	0

#	Article	IF	Citations
55	Editorial: Survival in Extreme Environments â€“ Adaptation or Decompensation?, Volume I. Frontiers in Physiology, 2022, 13, 836210.	2.8	0