

Torkjel Tveita

List of Publications by Year in descending order

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55
papers

768
citations

567281

15
h-index

552781

26
g-index

55
all docs

55
docs citations

55
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological Impact of Hypothermia: The Good, the Bad, and the Ugly. <i>Physiology</i> , 2022, 37, 69-87.	3.1	13
2	Editorial: Survival in Extreme Environments – Adaptation or Decompensation?, Volume I. <i>Frontiers in Physiology</i> , 2022, 13, 836210.	2.8	0
3	Physiological Changes in Subjects Exposed to Accidental Hypothermia: An Update. <i>Frontiers in Medicine</i> , 2022, 9, 824395.	2.6	9
4	Cooling to Hypothermic Circulatory Arrest by Immersion vs. Cardiopulmonary Bypass (CPB): Worse Outcome After Rewarming in Immersion Cooled Pigs. <i>Frontiers in Physiology</i> , 2022, 13, 862729.	2.8	2
5	Enhanced Blood Clotting After Rewarming From Experimental Hypothermia in an Intact Porcine Model. <i>Frontiers in Physiology</i> , 2022, 13, 901908.	2.8	1
6	Resistance to ventricular fibrillation predicted by the QRS/QTc - Ratio in an intact rat model of hypothermia/rewarming. <i>Cryobiology</i> , 2021, 98, 33-38.	0.7	6
7	Maintaining intravenous volume mitigates hypothermia-induced myocardial dysfunction and accumulation of intracellular Ca ²⁺ . <i>Experimental Physiology</i> , 2021, 106, 1196-1207.	2.0	3
8	Treatment of Cardiovascular Dysfunction With PDE5-Inhibitors – Temperature Dependent Effects on Transport and Metabolism of cAMP and cGMP. <i>Frontiers in Physiology</i> , 2021, 12, 695779.	2.8	3
9	Effects of rewarming with extracorporeal membrane oxygenation to restore oxygen transport and organ blood flow after hypothermic cardiac arrest in a porcine model. <i>Scientific Reports</i> , 2021, 11, 18918.	3.3	4
10	Rewarming With Closed Thoracic Lavage Following 3-h CPR at 27°C Failed to Reestablish a Perfusing Rhythm. <i>Frontiers in Physiology</i> , 2021, 12, 741241.	2.8	0
11	Cardiovascular Effects of Epinephrine During Experimental Hypothermia (32°C) With Spontaneous Circulation in an Intact Porcine Model. <i>Frontiers in Physiology</i> , 2021, 12, 718667.	2.8	2
12	Effects of Cold Decompression on Hemodynamic Function and Decompression Sickness Risk in a Dry Diving Rat Model. <i>Frontiers in Physiology</i> , 2021, 12, 763975.	2.8	2
13	Comparison Between Two Pharmacologic Strategies to Alleviate Rewarming Shock: Vasodilation vs. Inodilation. <i>Frontiers in Medicine</i> , 2020, 7, 566388.	2.6	4
14	Moderate but not severe hypothermia causes pro-arrhythmic changes in cardiac electrophysiology. <i>Cardiovascular Research</i> , 2020, 116, 2081-2090.	3.8	27
15	Study of the Effects of 3 h of Continuous Cardiopulmonary Resuscitation at 27°C on Global Oxygen Transport and Organ Blood Flow. <i>Frontiers in Physiology</i> , 2020, 11, 213.	2.8	5
16	A novel ECG-biomarker for cardiac arrest during hypothermia. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2020, 28, 27.	2.6	11
17	Cardiac troponin-I phosphorylation underlies myocardial contractile dysfunction induced by hypothermia rewarming. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H726-H731.	3.2	12
18	Extracorporeal rewarming from experimental hypothermia: Effects of hydroxyethyl starch versus saline priming on fluid balance and blood flow distribution. <i>Experimental Physiology</i> , 2019, 104, 1353-1362.	2.0	2

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19	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. <i>BMC Anesthesiology</i> , 2019, 19, 214.	1.8	6
20	Hypothermia and cardiac electrophysiology: a systematic review of clinical and experimental data. <i>Cardiovascular Research</i> , 2019, 115, 501-509.	3.8	40
21	Organ blood flow and O ₂ transport during hypothermia (27°C) and rewarming in a pig model. <i>Experimental Physiology</i> , 2019, 104, 50-60.	2.0	13
22	Continuous Hemodynamic Monitoring in an Intact Rat Model of Simulated Diving. <i>Frontiers in Physiology</i> , 2019, 10, 1597.	2.8	4
23	Role of superoxide ion formation in hypothermia/rewarming induced contractile dysfunction in cardiomyocytes. <i>Cryobiology</i> , 2018, 81, 57-64.	0.7	10
24	Discontinued stimulation of cardiomyocytes provides protection against hypothermia-rewarming induced disruption of excitation-contraction coupling. <i>Experimental Physiology</i> , 2018, 103, 819-826.	2.0	6
25	Effects of hypothermia and rewarming on cardiovascular autonomic control in vivo. <i>Journal of Applied Physiology</i> , 2018, 124, 850-859.	2.5	7
26	Gap-junction uncoupling as a pharmacological strategy to prevent hypothermia-induced ventricular fibrillation. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-2-79.	0.0	0
27	Gap-junction uncoupling as a pharmacological strategy to prevent hypothermia-induced ventricular fibrillation. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, YIA-3.	0.0	0
28	The beneficial hemodynamic effects of afterload reduction by sodium nitroprusside during rewarming from experimental hypothermia. <i>Cryobiology</i> , 2017, 77, 75-81.	0.7	6
29	Effects of Constant Flow vs. Constant Pressure Perfusion on Fluid Filtration in Severe Hypothermic Isolated Blood-Perfused Rat Lungs. <i>Frontiers in Medicine</i> , 2016, 3, 70.	2.6	2
30	Altered pharmacological effects of adrenergic agonists during hypothermia. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2016, 24, 143.	2.6	13
31	Hypothermia/rewarming disrupts excitation-contraction coupling in cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H1533-H1540.	3.2	22
32	Negative inotropic effects of epinephrine in the presence of increased β^2 -adrenoceptor sensitivity during hypothermia in a rat model. <i>Cryobiology</i> , 2015, 70, 9-16.	0.7	17
33	Milrinone ameliorates cardiac mechanical dysfunction after hypothermia in an intact rat model. <i>Cryobiology</i> , 2014, 69, 361-366.	0.7	16
34	Cardiovascular effects of levosimendan during rewarming from hypothermia in rat. <i>Cryobiology</i> , 2014, 69, 402-410.	0.7	18
35	Changes in cardiovascular effects of dopamine in response to graded hypothermia in vivo*. <i>Critical Care Medicine</i> , 2012, 40, 178-186.	0.9	47
36	Myocardial gene expression profiling of rewarming shock in a rodent model of accidental hypothermia. <i>Cryobiology</i> , 2012, 64, 201-210.	0.7	7

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37	Effects of milrinone on left ventricular cardiac function during cooling in an intact animal model. <i>Cryobiology</i> , 2012, 65, 27-32.	0.7	13
38	The physiologic responses to epinephrine during cooling and after rewarming in vivo. <i>Critical Care</i> , 2011, 15, R225.	5.8	17
39	Mechanisms underlying hypothermia-induced cardiac contractile dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H890-H897.	3.2	43
40	Post-hypothermic cardiac left ventricular systolic dysfunction after rewarming in an intact pig model. <i>Critical Care</i> , 2010, 14, R211.	5.8	32
41	Mechanisms Underlying Mechanical Dysfunction After Rewarming From Hypothermia. <i>FASEB Journal</i> , 2009, 23, 953.14.	0.5	0
42	Myocardial mechanical dysfunction and calcium overload following rewarming from experimental hypothermia in vivo. <i>Cryobiology</i> , 2008, 56, 15-21.	0.7	73
43	Changes in cardiovascular β^2 -adrenoceptor responses during hypothermia. <i>Cryobiology</i> , 2008, 57, 246-250.	0.7	61
44	The physiologic response to isoproterenol during hypothermia and rewarming. <i>FASEB Journal</i> , 2007, 21, A1256.	0.5	0
45	Effects of epinephrine and superoxide dismutase on cardiac myocyte function during rewarming following hypothermia. <i>FASEB Journal</i> , 2007, 21, A582.	0.5	0
46	Altered cardiac mitochondrial Ca ²⁺ regulation during rewarming following hypothermia. <i>FASEB Journal</i> , 2007, 21, A582.	0.5	0
47	Is oxygen supply a limiting factor for survival during rewarming from profound hypothermia?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H441-H450.	3.2	30
48	Left ventricular pressure-volume relationship following rewarming from experimental hypothermia in rat. <i>FASEB Journal</i> , 2006, 20, A1197.	0.5	0
49	Coronary endothelium-derived vasodilation during cooling and rewarming of the in situ heart. <i>Canadian Journal of Physiology and Pharmacology</i> , 1999, 77, 56-63.	1.4	6
50	Left ventricular dysfunction following rewarming from experimental hypothermia. <i>Journal of Applied Physiology</i> , 1998, 85, 2135-2139.	2.5	59
51	Changes in myocardial ultrastructure induced by cooling as well as rewarming. <i>Research in Experimental Medicine</i> , 1997, 197, 243-254.	0.7	11
52	Experimental Hypothermia. <i>Anesthesia and Analgesia</i> , 1994, 79, 212-218.	2.2	51
53	CHANGES IN VENTRICULAR FIBRILLATION THRESHOLD DURING ACUTE HYPOTHERMIA. A MODEL FOR FUTURE STUDIES. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 1993, 4, 313-9.	1.3	28
54	Autoregulation of Cerebral Blood Flow During 3-h Continuous Cardiopulmonary Resuscitation at 27°C. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	1

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55	Treatment of Cardiovascular Dysfunction with PDE3-Inhibitors in Moderate and Severe Hypothermia—Effects on Cellular Elimination of Cyclic Adenosine Monophosphate and Cyclic Guanosine Monophosphate. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	3