

# Ingvar HolmÃ©r

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11379822/publications.pdf>

Version: 2024-02-01

79  
papers

4,708  
citations

126907

33  
h-index

98798

67  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3032  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protection Against Cold in Prehospital Care: Wet Clothing Removal or Addition of a Vapor Barrier. <i>Wilderness and Environmental Medicine</i> , 2015, 26, 11-20.	0.9	29
2	Validation of standard ASTM F2732 and comparison with ISO 11079 with respect to comfort temperature ratings for cold protective clothing. <i>Applied Ergonomics</i> , 2015, 46, 44-53.	3.1	17
3	A study on local cooling of garments with ventilation fans and openings placed at different torso sites. <i>International Journal of Industrial Ergonomics</i> , 2013, 43, 232-237.	2.6	118
4	Evaporative cooling: effective latent heat of evaporation in relation to evaporation distance from the skin. <i>Journal of Applied Physiology</i> , 2013, 114, 778-785.	2.5	102
5	The torso cooling of vests incorporated with phase change materials: a sweat evaporation perspective. <i>Textile Research Journal</i> , 2013, 83, 418-425.	2.2	48
6	The Universal Thermal Climate Index UTCI Compared to Ergonomics Standards for Assessing the Thermal Environment. <i>Industrial Health</i> , 2013, 51, 16-24.	1.0	98
7	Effects of Heat Stress on Working Populations when Facing Climate Change. <i>Industrial Health</i> , 2013, 51, 3-15.	1.0	209
8	Effects of Various Protective Clothing and Thermal Environments on Heat Strain of Unacclimated Men: the PHS (predicted heat strain) Model Revisited. <i>Industrial Health</i> , 2013, 51, 266-274.	1.0	64
9	Climate Change and Occupational Heat Problems. <i>Industrial Health</i> , 2013, 51, 1-2.	1.0	19
10	Protection against Cold in Prehospital Care: Evaporative Heat Loss Reduction by Wet Clothing Removal or the Addition of a Vapor Barrier—A Thermal Manikin Study. <i>Prehospital and Disaster Medicine</i> , 2012, 27, 53-58.	1.3	34
11	Parallel and Serial Methods of Calculating Thermal Insulation in European Manikin Standards. <i>International Journal of Occupational Safety and Ergonomics</i> , 2012, 18, 171-179.	1.9	19
12	Thermal responses to whole-body cooling in air with special reference to arteriovenous anastomoses in fingers. <i>Clinical Physiology and Functional Imaging</i> , 2012, 32, 463-469.	1.2	31
13	Localised boundary air layer and clothing evaporative resistances for individual body segments. <i>Ergonomics</i> , 2012, 55, 799-812.	2.1	43
14	The UTCI-clothing model. <i>International Journal of Biometeorology</i> , 2012, 56, 461-470.	3.0	238
15	Deriving the operational procedure for the Universal Thermal Climate Index (UTCI). <i>International Journal of Biometeorology</i> , 2012, 56, 481-494.	3.0	645
16	Effect of temperature difference between manikin and wet fabric skin surfaces on clothing evaporative resistance: how much error is there?. <i>International Journal of Biometeorology</i> , 2012, 56, 177-182.	3.0	30
17	Cooling vests with phase change materials: the effects of melting temperature on heat strain alleviation in an extremely hot environment. <i>European Journal of Applied Physiology</i> , 2011, 111, 1207-1216.	2.5	116
18	Can the PHS model (ISO7933) predict reasonable thermophysiological responses while wearing protective clothing in hot environments?. <i>Physiological Measurement</i> , 2011, 32, 239-249.	2.1	61

#	ARTICLE	IF	CITATIONS
19	Determination of Clothing Evaporative Resistance on a Sweating Thermal Manikin in an Isothermal Condition: Heat Loss Method or Mass Loss Method?. <i>Annals of Occupational Hygiene</i> , 2011, 55, 775-83.	1.9	43
20	Development and validity of a universal empirical equation to predict skin surface temperature on thermal manikins. <i>Journal of Thermal Biology</i> , 2010, 35, 197-203.	2.5	49
21	Climate change and occupational heat stress: methods for assessment. <i>Global Health Action</i> , 2010, 3, 5719.	1.9	31
22	Heat Gain From Thermal Radiation Through Protective Clothing With Different Insulation, Reflectivity and Vapour Permeability. <i>International Journal of Occupational Safety and Ergonomics</i> , 2010, 16, 231-244.	1.9	35
23	Effects of Air Velocity and Clothing Combination on Heating Efficiency of an Electrically Heated Vest (EHV): A Pilot Study. <i>Journal of Occupational and Environmental Hygiene</i> , 2010, 7, 501-505.	1.0	28
24	A Review of Technology of Personal Heating Garments. <i>International Journal of Occupational Safety and Ergonomics</i> , 2010, 16, 387-404.	1.9	101
25	Experimental and Theoretical Study of Ventilation and Heat Loss From Isothermally Heated Clothed Vertical Cylinder in Uniform Flow Field. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2010, 77, .	2.2	12
26	Cooling vests with phase change material packs: the effects of temperature gradient, mass and covering area. <i>Ergonomics</i> , 2010, 53, 716-723.	2.1	118
27	Testing Cold Protection According to EN ISO 20344: Is There Any Professional Footwear that Does Not Pass?. <i>Annals of Occupational Hygiene</i> , 2009, 53, 63-8.	1.9	5
28	Workplace heat stress, health and productivity – an increasing challenge for low and middle-income countries during climate change. <i>Global Health Action</i> , 2009, 2, 2047.	1.9	477
29	Protection Against Cold in Prehospital Care – Thermal Insulation Properties of Blankets and Rescue Bags in Different Wind Conditions. <i>Prehospital and Disaster Medicine</i> , 2009, 24, 408-415.	1.3	46
30	Evaluation of Cold Workplaces: An Overview of Standards for Assessment of Cold Stress. <i>Industrial Health</i> , 2009, 47, 228-234.	1.0	49
31	Non-evaporative effects of a wet mid layer on heat transfer through protective clothing. <i>European Journal of Applied Physiology</i> , 2008, 104, 341-349.	2.5	28
32	Apparent latent heat of evaporation from clothing: attenuation and “heat pipe” effects. <i>Journal of Applied Physiology</i> , 2008, 104, 142-149.	2.5	126
33	Dry and Wet Heat Transfer Through Clothing Dependent on the Clothing Properties Under Cold Conditions. <i>International Journal of Occupational Safety and Ergonomics</i> , 2008, 14, 69-76.	1.9	34
34	Risk Assessment for Cold Work. <i>Journal of the Human-Environment System</i> , 2008, 11, 1-5.	0.1	5
35	Calculation of Clothing Insulation by Serial and Parallel Methods: Effects on Clothing Choice by IREQ and Thermal Responses in the Cold. <i>International Journal of Occupational Safety and Ergonomics</i> , 2007, 13, 103-116.	1.9	31
36	Protective Clothing in Hot Environments. <i>Industrial Health</i> , 2006, 44, 404-413.	1.0	133

#	ARTICLE	IF	CITATIONS
37	Test of Firefighter's Turnout Gear in Hot and Humid Air Exposure. International Journal of Occupational Safety and Ergonomics, 2006, 12, 297-305.	1.9	39
38	Assessment of cold stress by calculation of required clothing insulation IREQ. Elsevier Ergonomics Book Series, 2005, , 503-506.	0.1	2
39	Inter-laboratory tests on thermal foot models. Elsevier Ergonomics Book Series, 2005, , 449-457.	0.1	6
40	Evaluation of vehicle climate. Elsevier Ergonomics Book Series, 2005, , 283-288.	0.1	1
41	Use of an artificial finger to measure contact temperature on various extremely cold metallic surfaces. Elsevier Ergonomics Book Series, 2005, 3, 187-191.	0.1	0
42	Comparison of contact cooling while touching cold surfaces with an artificial and human fingers. Elsevier Ergonomics Book Series, 2005, , 181-185.	0.1	1
43	Effectiveness of a Light-Weight Ice-Vest for Body Cooling While Wearing Fire Fighter's Protective Clothing in the Heat. International Journal of Occupational Safety and Ergonomics, 2004, 10, 111-117.	1.9	62
44	Comparison of thermal manikins of different body shapes and size. European Journal of Applied Physiology, 2004, 92, 683-688.	2.5	26
45	Thermal manikin history and applications. European Journal of Applied Physiology, 2004, 92, 614-618.	2.5	133
46	Manikin measurements versus wear trials of cold protective clothing (Subzero project). European Journal of Applied Physiology, 2004, 92, 619-621.	2.5	28
47	Face cooling by cold wind in walking subjects. International Journal of Biometeorology, 2003, 47, 148-155.	3.0	15
48	Personal factors in thermal comfort assessment: clothing properties and metabolic heat production. Energy and Buildings, 2002, 34, 581-591.	6.7	253
49	Change in contact temperature of finger touching on cold surfaces. International Journal of Industrial Ergonomics, 2001, 27, 387-391.	2.6	21
50	Effects of metabolic rate on thermal responses at different air velocities in $\sim 10^{\circ}\text{C}$ . Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 128, 759-768.	1.8	25
51	Assessment of Cold Exposure. International Journal of Circumpolar Health, 2001, 60, 413-421.	1.2	13
52	Cold stress: Part I " Guidelines for the practitioner " *The recommendations provided in this guide are based on numerous published and unpublished scientific studies and are intended to enhance worker safety and productivity. These recommendations are neither intended to replace existing standards, if any, nor should be treated as standards. Furthermore, this document should not be construed to represent institutional policy. The following individuals participated in the discussion of the earlier version of. Elsevier Ergonomics Book Series, 2000, 1, 347-356.	0.1	1
53	Validation of a Model for Prediction of Skin Temperatures in Footwear.. Journal of Physiological Anthropology and Applied Human Science, 2000, 19, 29-34.	0.4	16
54	Face temperature and cardiorespiratory responses to wind in thermoneutral and cool subjects exposed to $\sim 10^{\circ}\text{C}$ . European Journal of Applied Physiology, 2000, 83, 449-456.	2.5	54

#	ARTICLE	IF	CITATIONS
55	Thermal responses to cold wind of thermoneutral and cooled subjects. <i>European Journal of Applied Physiology</i> , 2000, 81, 397-402.	2.5	31
56	Cold stress: Part II " The scientific basis (knowledge base) for the guide. <i>Elsevier Ergonomics Book Series</i> , 2000, 1, 357-365.	0.1	1
57	Change of Footwear Insulation at Various Sweating Rates.. <i>Applied Human Science: Journal of Physiological Anthropology</i> , 1999, 18, 161-168.	0.2	24
58	Determination of Heat Loss from the Feet and Insulation of the Footwear. <i>International Journal of Occupational Safety and Ergonomics</i> , 1999, 5, 465-476.	1.9	20
59	A Comparison of Two Methods of Determining Thermal Properties of Footwear. <i>International Journal of Occupational Safety and Ergonomics</i> , 1999, 5, 477-484.	1.9	8
60	The role of performance tests, manikins and test houses in defining clothing characteristics relevant to risk assessment. <i>Annals of Occupational Hygiene</i> , 1999, , .	1.9	1
61	Thermal responses at three low ambient temperatures: Validation of the duration limited exposure index. <i>International Journal of Industrial Ergonomics</i> , 1998, 21, 465-474.	2.6	18
62	Effect of Sweating on Insulation of Footwear. <i>International Journal of Occupational Safety and Ergonomics</i> , 1998, 4, 123-136.	1.9	30
63	Evaluation of Evaporative Heat Transfer Characteristics of Helmets.. <i>Applied Human Science: Journal of Physiological Anthropology</i> , 1997, 16, 107-113.	0.2	17
64	A method for dynamic measurement of the resistance to dry heat exchange by footwear. <i>Applied Ergonomics</i> , 1997, 28, 383-388.	3.1	28
65	Hand and finger skin temperatures in convective and contact cold exposure. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1996, 72, 372-379.	1.2	34
66	Effects of Two Kinds of Underwear on Thermophysiological Responses and Clothing Microclimate during 30 Min Walking and 60 Min Recovery in the Cold.. <i>Applied Human Science: Journal of Physiological Anthropology</i> , 1996, 15, 33-39.	0.2	23
67	Thermal Aspects of Vehicle Comfort.. <i>Applied Human Science: Journal of Physiological Anthropology</i> , 1995, 14, 159-165.	0.2	26
68	Protective clothing and heat stress. <i>Ergonomics</i> , 1995, 38, 166-182.	2.1	94
69	Cooling Responses of Finger in Contact with an Aluminum Surface. <i>AIHA Journal</i> , 1994, 55, 218-222.	0.4	19
70	Cold stress: Part II " The scientific basis (knowledge base) for the guide. <i>International Journal of Industrial Ergonomics</i> , 1994, 14, 151-159.	2.6	12
71	Cold stress: Part I " Guidelines for the practitioner. <i>International Journal of Industrial Ergonomics</i> , 1994, 14, 139-149.	2.6	19
72	Finger cooling by contact with cold aluminium surfaces ? effects of pressure, mass and whole body thermal balance. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1994, 69, 55-60.	1.2	30

#	ARTICLE	IF	CITATIONS
73	Work in the cold. International Archives of Occupational and Environmental Health, 1993, 65, 147-155.	2.3	43
74	Assessment of Thermal Conditions in Neonatal Care: Use of a Manikin of Premature Baby Size. American Journal of Perinatology, 1992, 9, 239-246.	1.4	38
75	Assessment of cold stress in terms of required clothing insulationâ€”IREQ. International Journal of Industrial Ergonomics, 1988, 3, 159-166.	2.6	41
76	Heat Exchange and Thermal Insulation Compared in Woolen and Nylon Garments During Wear Trials. Textile Research Journal, 1985, 55, 511-518.	2.2	54
77	Physiological evaluation of the resistance to evaporative heat transfer by clothing. Ergonomics, 1981, 24, 63-74.	2.1	60
78	Reactions to hand cooling in workers occupationally exposed to cold.. Scandinavian Journal of Work, Environment and Health, 1980, 6, 58-65.	3.4	23
79	Effects of work in cold stores on man. Scandinavian Journal of Work, Environment and Health, 1979, 5, 195-204.	3.4	33