FranÃ§ois Haman

List of Publications by Year
in descending order

44 papers	3,170 citations	304368 22 h-index	301761 39 g-index
44 all docs	44 docs citations	44 times ranked	3110 citing authors

#	Article	IF	Citations
1	Brown adipose tissue oxidative metabolism contributes to energy expenditure during acute cold exposure in humans. Journal of Clinical Investigation, 2012, 122, 545-552.	3.9	815
2	Increased Brown Adipose Tissue Oxidative Capacity in Cold-Acclimated Humans. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E438-E446.	1.8	251
3	Brown Adipose Tissue Energy Metabolism in Humans. Frontiers in Endocrinology, 2018, 9, 447.	1.5	223
4	Contributions of white and brown adipose tissues and skeletal muscles to acute coldâ€induced metabolic responses in healthy men. Journal of Physiology, 2015, 593, 701-714.	1.3	195
5	Human Brown Adipocyte Thermogenesis Is Driven by Î²2-AR Stimulation. Cell Metabolism, 2020, 32, 287-300.e7.	7.2	185
6	Selective Impairment of Glucose but Not Fatty Acid or Oxidative Metabolism in Brown Adipose Tissue of Subjects With Type 2 Diabetes. Diabetes, 2015, 64, 2388-2397.	0.3	178
7	Inhibition of Intracellular Triglyceride Lipolysis Suppresses Cold-Induced Brown Adipose Tissue Metabolism and Increases Shivering in Humans. Cell Metabolism, 2017, 25, 438-447.	7.2	157
8	Dietary fatty acid metabolism of brown adipose tissue in cold-acclimated men. Nature Communications, 2017, 8, 14146.	5.8	119
9	Effect of cold exposure on fuel utilization in humans: plasma glucose, muscle glycogen, and lipids. Journal of Applied Physiology, 2002, 93, 77-84.	1.2	111
10	Fourâ€week cold acclimation in adult humans shifts uncoupling thermogenesis from skeletal muscles to brown adipose tissue. Journal of Physiology, 2017, 595, 2099-2113.	1.3	95
11	Shivering thermogenesis in humans: Origin, contribution and metabolic requirement. Temperature, 2017, 4, 217-226.	1.7	85
12	Shivering in the cold: from mechanisms of fuel selection to survival. Journal of Applied Physiology, 2006, 100, 1702-1708.	1.2	83
13	Partitioning oxidative fuels during cold exposure in humans: muscle glycogen becomes dominant as shivering intensifies. Journal of Physiology, 2005, 566, 247-256.	1.3	66
14	Effects of carbohydrate availability on sustained shivering II. Relating muscle recruitment to fuel selection. Journal of Applied Physiology, 2004, 96, 41-49.	1.2	58
15	Fuel selection during intense shivering in humans: EMG pattern reflects carbohydrate oxidation. Journal of Physiology, 2004, 556, 305-313.	1.3	58
16	Effects of carbohydrate availability on sustained shivering I. Oxidation of plasma glucose, muscle glycogen, and proteins. Journal of Applied Physiology, 2004, 96, 32-40.	1.2	54
17	Shivering and nonshivering thermogenesis in skeletal muscles. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 156, 153-173.	1.0	47
18	Cold exposure increases adiponectin levels in men. Metabolism: Clinical and Experimental, 2009, 58, 552-559.	1.5	40

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19	Lower brown adipose tissue activity is associated with non-alcoholic fatty liver disease but not changes in the gut microbiota. Cell Reports Medicine, 2021, 2, 100397.	3.3	35
20	Maintaining Thermogenesis in Cold Exposed Humans: Relying on Multiple Metabolic Pathways. , 2014, 4, 1383-1402.		33
21	Seven days of cold acclimation substantially reduces shivering intensity and increases nonshivering thermogenesis in adult humans. Journal of Applied Physiology, 2019, 126, 1598-1606.	1.2	29
22	Effects of hypoxia and low temperature on substrate fluxes in fish: plasma metabolite concentrations are misleading. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1997, 273, R2046-R2054.	0.9	28
23	The Costs of Local Food Procurement in Two Northern Indigenous Communities in Canada. Food and Foodways, 2013, 21, 132-152.	0.5	27
24	Metabolic requirements of shivering humans. Frontiers in Bioscience - Scholar, 2010, S2, 1155-1168.	0.8	23
25	Oxidative fuel selection and shivering thermogenesis during a 12- and 24-h cold-survival simulation. Journal of Applied Physiology, 2016, 120, 640-648.	1.2	23
26	A critical appraisal of brown adipose tissue metabolism in humans. Clinical Lipidology, 2015, 10, 259-280.	0.4	20
27	Fueling shivering thermogenesis during passive hypothermic recovery. Journal of Applied Physiology, 2007, 103, 1346-1351.	1.2	18
28	Human performance research for military operations in extreme cold environments. Journal of Science and Medicine in Sport, 2021, 24, 954-962.	0.6	16
29	Effects of the menstrual cycle on muscle recruitment and oxidative fuel selection during cold exposure. Journal of Applied Physiology, 2011, 111, 1014-1020.	1.2	15
30	Low capacity to oxidize fat and body weight. Obesity Reviews, 2019, 20, 1367-1383.	3.1	12
31	Human vulnerability and variability in the cold: Establishing individual risks for cold weather injuries. Temperature, 2022, 9, 158-195.	1.7	12
32	Explaining Performance on Military Tasks in the Canadian Armed Forces: The Importance of Morphological and Physical Fitness Characteristics. Military Medicine, 2016, 181, e1623-e1629.	0.4	11
33	Relationship between the Daily Rhythm of Distal Skin Temperature and Brown Adipose Tissue ¹⁸F-FDG Uptake in Young Sedentary Adults. Journal of Biological Rhythms, 2019, 34, 533-550.	1.4	11
34	Shivering modulation in humans: Effects of rapid changes in environmental temperature. Journal of Thermal Biology, 2013, 38, 582-587.	1.1	10
35	Humans in the cold: Regulating energy balance. Obesity Reviews, 2020, 21, e12978.	3.1	6
36	Heat loss responses at rest and during exercise in pregnancy: A scoping review.. Journal of Thermal Biology, 2021, 99, 103011.	1.1	6

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37	Levels of circulating cortisol and cytokines in members of the Canadian Armed Forces: associations with age, sex, and anthropometry. Applied Physiology, Nutrition and Metabolism, 2018, 43, 445-452.	0.9	4
38	Impaired Cold-Stimulated Supraclavicular Brown Adipose Tissue Activity in Young Boys With Obesity. Diabetes, 2022, 71, 1193-1204.	0.3	4
39	Thermogenic responses to different clamped skin temperatures in cold-exposed men and women. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 323, R149-R160.	0.9	4
40	Cognitive Performance during a 24-Hour Cold Exposure Survival Simulation. BioMed Research International, 2016, 2016, 1-11.	0.9	3
41	Skin temperature modulation of shivering response in humans. FASEB Journal, 2012, 26, 1079.16.	0.2	0
42	The effects of passive heating and subsequent exercise in the heat on lipid metabolism. FASEB Journal, 2012, 26, 714.3.	0.2	0
43	Effect of training modality on interâ€individual differences in shivering pattern in humans. FASEB Journal, 2012, 26, 1079.15.	0.2	0
44	Cold Acclimation in Humans: Effects of Changes in Brown Fat on the Recruitment and Shivering Pattern of Superficial Muscles. FASEB Journal, 2015, 29, .	0.2	0