

Chantal Simon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102
papers

4,254
citations

40
h-index

63
g-index

105
ext. papers

4,881
ext. citations

4.7
avg, IF

4.92
L-index

#	Paper	IF	Citations
102	Is muscle and protein loss relevant in long-term fasting in healthy men? A prospective trial on physiological adaptations. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021 ,	10.3	4
101	Functional electrical stimulation-cycling favours erectus position restoration and walking in patients with critical COVID-19. A proof-of-concept controlled study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2021 , 64, 101516	3.8	2
100	How interdisciplinary research at the crossroad between socio-cultural anthropology, nutritional and physical activity physiology can help addressing the obesity epidemic. <i>Cahiers De Nutrition Et De Dietetique</i> , 2021 , 56, 51-58	0.2	0
99	Physiology of physical inactivity, sedentary behaviours and non-exercise activity: insights from the space bedrest model. <i>Journal of Physiology</i> , 2021 ,	3.9	4
98	Perceptions of the environment moderate the effects of objectively-measured built environment attributes on active transport. An ACTI-CitÉ study. <i>Journal of Transport and Health</i> , 2021 , 20, 100972	3	2
97	Specific shifts in the endocannabinoid system in hibernating brown bears. <i>Frontiers in Zoology</i> , 2020 , 17, 35	2.8	1
96	Prevalence of obesity among adult inpatients with COVID-19 in France. <i>Lancet Diabetes and Endocrinology</i> , 2020 , 8, 562-564	18.1	149
95	Limited Oxidative Stress Favors Resistance to Skeletal Muscle Atrophy in Hibernating Brown Bears (). <i>Antioxidants</i> , 2019 , 8,	7.1	8
94	Metabolic reprogramming involving glycolysis in the hibernating brown bear skeletal muscle. <i>Frontiers in Zoology</i> , 2019 , 16, 12	2.8	20
93	Lipidomics Reveals Seasonal Shifts in a Large-Bodied Hibernator, the Brown Bear. <i>Frontiers in Physiology</i> , 2019 , 10, 389	4.6	15
92	Revisiting the Role of Exercise Countermeasure on the Regulation of Energy Balance During Space Flight. <i>Frontiers in Physiology</i> , 2019 , 10, 321	4.6	13
91	A nutrient cocktail prevents lipid metabolism alterations induced by 20 days of daily steps reduction and fructose overfeeding: result from a randomized study. <i>Journal of Applied Physiology</i> , 2019 , 126, 88-101	3.7	14
90	Proteolysis inhibition by hibernating bear serum leads to increased protein content in human muscle cells. <i>Scientific Reports</i> , 2018 , 8, 5525	4.9	21
89	Metabolic Inflexibility Is an Early Marker of Bed-Rest-Induced Glucose Intolerance Even When Fat Mass Is Stable. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 1910-1920	5.6	18
88	Dietary linoleic acid interacts with FADS1 genetic variability to modulate HDL-cholesterol and obesity-related traits. <i>Clinical Nutrition</i> , 2018 , 37, 1683-1689	5.9	10
87	An artificial neural network to predict resting energy expenditure in obesity. <i>Clinical Nutrition</i> , 2018 , 37, 1661-1669	5.9	18
86	Differential Associations of Walking and Cycling with Body Weight, Body Fat and Fat Distribution - the ACTI-CitÉ Project. <i>Obesity Facts</i> , 2018 , 11, 221-231	5.1	1

85	Breaking up Sedentary Time in Overweight/Obese Adults on Work Days and Non-Work Days: Results from a Feasibility Study. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	5
84	Seasonal changes in eicosanoid metabolism in the brown bear. <i>Die Naturwissenschaften</i> , 2018 , 105, 58	2	10
83	Identification of a functional FADS1 3'UTR variant associated with erythrocyte n-6 polyunsaturated fatty acids levels. <i>Journal of Clinical Lipidology</i> , 2018 , 12, 1280-1289	4.9	5
82	Hibernoma and multiple endocrine neoplasia type 1 syndrome: A non-fortuitous association? A case report and literature review. <i>Annales D'Endocrinologie</i> , 2017 , 78, 194-197	1.7	3
81	Behavioral determinants of physical activity across the life course: a "DEterminants of Diet and Physical ACTivity" (DEDIPAC) umbrella systematic literature review. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017 , 14, 58	8.4	69
80	EASL-EASD-EASO clinical practice guidelines for the management of non-alcoholic fatty liver disease in severely obese people: do they lead to over-referral?. <i>Diabetologia</i> , 2017 , 60, 1218-1222	10.3	68
79	Active Mobility and Environment: A Pilot Qualitative Study for the Design of a New Questionnaire. <i>PLoS ONE</i> , 2017 , 12, e0168986	3.7	11
78	Psychological determinants of physical activity across the life course: A "DEterminants of Diet and Physical ACTivity" (DEDIPAC) umbrella systematic literature review. <i>PLoS ONE</i> , 2017 , 12, e0182709	3.7	57
77	Glucose Uptake Measurement and Response to Insulin Stimulation in In Vitro Cultured Human Primary Myotubes. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	5
76	Neighborhood educational disparities in active commuting among women: the effect of distance between the place of residence and the place of work/study (an ACTI-CitS study). <i>BMC Public Health</i> , 2017 , 17, 569	4.1	4
75	Personalization of a compartmental physiological model for an artificial pancreas through integration of patient's state estimation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 1453-1456	0.9	
74	Individual, Social, and Environmental Correlates of Active Transportation Patterns in French Women. <i>BioMed Research International</i> , 2017 , 2017, 9069730	3	4
73	Effects of training and detraining on adiponectin plasma concentration and muscle sensitivity in lean and overweight men. <i>European Journal of Applied Physiology</i> , 2016 , 116, 2135-2144	3.4	12
72	Using concept mapping in the development of the EU-PAD framework (EUropean-Physical Activity Determinants across the life course): a DEDIPAC-study. <i>BMC Public Health</i> , 2016 , 16, 1145	4.1	37
71	A systematic review of correlates of sedentary behaviour in adults aged 18-65 years: a socio-ecological approach. <i>BMC Public Health</i> , 2016 , 16, 163	4.1	266
70	Built environment in local relation with walking: Why here and not there?. <i>Journal of Transport and Health</i> , 2016 , 3, 500-512	3	26
69	Transition from physical activity to inactivity increases skeletal muscle miR-148b content and triggers insulin resistance. <i>Physiological Reports</i> , 2016 , 4, e12902	2.6	13
68	Assessment of sedentary behaviors and transport-related activities by questionnaire: a validation study. <i>BMC Public Health</i> , 2016 , 16, 753	4.1	11

67	Descriptive study of sedentary behaviours in 35,444 French working adults: cross-sectional findings from the ACTI-CitÉ study. <i>BMC Public Health</i> , 2015 , 15, 379	4.1	55
66	Effect of enforced physical inactivity induced by 60-day of bed rest on hepatic markers of NAFLD in healthy normal-weight women. <i>Liver International</i> , 2015 , 35, 1700-6	7.9	8
65	Walking and cycling for commuting, leisure and errands: relations with individual characteristics and leisure-time physical activity in a cross-sectional survey (the ACTI-CitÉ project). <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2015 , 12, 150	8.4	38
64	Should the WHO growth charts be used in France?. <i>PLoS ONE</i> , 2015 , 10, e0120806	3.7	40
63	Spatial heterogeneity of the relationships between environmental characteristics and active commuting: towards a locally varying social ecological model. <i>International Journal of Health Geographics</i> , 2015 , 14, 12	3.5	53
62	Automatic identification of physical activity types and sedentary behaviors from triaxial accelerometer: laboratory-based calibrations are not enough. <i>Journal of Applied Physiology</i> , 2015 , 118, 716-22	3.7	42
61	Validation of a short, qualitative food frequency questionnaire in French adults participating in the MONA LISA-NUT study 2005-2007. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2014 , 114, 552-61	3.9	17
60	Low-fat and high-fat dairy products are differently related to blood lipids and cardiovascular risk score. <i>European Journal of Preventive Cardiology</i> , 2014 , 21, 1557-67	3.9	30
59	The environmental correlates of overall and neighborhood based recreational walking (a cross-sectional analysis of the RECORD Study). <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2014 , 11, 20	8.4	43
58	Accuracy of a new patch pump based on a microelectromechanical system (MEMS) compared to other commercially available insulin pumps: results of the first in vitro and in vivo studies. <i>Journal of Diabetes Science and Technology</i> , 2014 , 8, 1133-41	4.1	31
57	Changes in sedentary behaviours and associations with physical activity through retirement: a 6-year longitudinal study. <i>PLoS ONE</i> , 2014 , 9, e106850	3.7	20
56	Estimation of physical activity monitored during the day-to-day life by an autonomous wearable device (SVELTE project). <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 1122-23	0.9	6
55	Effects of different levels of physical inactivity on plasma visfatin in healthy normal-weight men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013 , 38, 689-93	3	5
54	Activity energy expenditure is a major determinant of dietary fat oxidation and trafficking, but the deleterious effect of detraining is more marked than the beneficial effect of training at current recommendations. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 648-58	7	30
53	Effect of contrasted levels of habitual physical activity on metabolic flexibility. <i>Journal of Applied Physiology</i> , 2013 , 114, 371-9	3.7	24
52	Classification of periodic activities using the Wasserstein distance. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 1610-9	5	16
51	Identifying built environmental patterns using cluster analysis and GIS: relationships with walking, cycling and body mass index in French adults. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2012 , 9, 59	8.4	40
50	Revue critique des questionnaires d'activité physique administrés en population française et perspectives de développement. <i>Cahiers De Nutrition Et De Dietetique</i> , 2012 , 47, 234-241	0.2	6

49	SREBP-1 transcription factors regulate skeletal muscle cell size by controlling protein synthesis through myogenic regulatory factors. <i>PLoS ONE</i> , 2012 , 7, e50878	3.7	27
48	Urinary C-peptide is not an accurate bioindicator of energy balance in humans. <i>Obesity</i> , 2012 , 20, 683-8	8	2
47	A SDHB malignant paraganglioma with dramatic response to temozolomide-capecitabine. <i>European Journal of Endocrinology</i> , 2012 , 166, 1107-11	6.5	15
46	Associations of supermarket characteristics with weight status and body fat: a multilevel analysis of individuals within supermarkets (RECORD study). <i>PLoS ONE</i> , 2012 , 7, e32908	3.7	72
45	Resveratrol prevents the wasting disorders of mechanical unloading by acting as a physical exercise mimetic in the rat. <i>FASEB Journal</i> , 2011 , 25, 3646-60	0.9	140
44	Effects of occupational and educational changes on obesity trends in France: the results of the MONICA-France survey 1986-2006. <i>Preventive Medicine</i> , 2011 , 52, 305-9	4.3	16
43	Investigating disparities in spatial accessibility to and characteristics of sport facilities: direction, strength, and spatial scale of associations with area income. <i>Health and Place</i> , 2011 , 17, 114-21	4.6	35
42	Estimating spatial accessibility to facilities on the regional scale: an extended commuting-based interaction potential model. <i>International Journal of Health Geographics</i> , 2011 , 10, 2	3.5	51
41	Associations between dietary patterns, physical activity (leisure-time and occupational) and television viewing in middle-aged French adults. <i>British Journal of Nutrition</i> , 2011 , 105, 902-10	3.6	64
40	Physical inactivity as the culprit of metabolic inflexibility: evidence from bed-rest studies. <i>Journal of Applied Physiology</i> , 2011 , 111, 1201-10	3.7	159
39	Impact of altered alveolar volume on the diffusing capacity of the lung for carbon monoxide in obesity. <i>Respiration</i> , 2011 , 81, 217-22	3.7	9
38	Rare melanocortin-3 receptor mutations with in vitro functional consequences are associated with human obesity. <i>Human Molecular Genetics</i> , 2011 , 20, 392-9	5.6	54
37	Genetic association and gene expression analysis identify FGFR1 as a new susceptibility gene for human obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, E962-6	5.6	22
36	Regulation of energy balance during long-term physical inactivity induced by bed rest with and without exercise training. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 1045-53	5.6	41
35	« Calories » et obésité: quantité ou qualité?. <i>Cahiers De Nutrition Et De Dietetique</i> , 2010 , 45, 180-189	0.2	4
34	The [1-13C]acetate recovery factor to correct tracer-derived dietary fat oxidation is lower in overweight insulin-resistant subjects. <i>European E-journal of Clinical Nutrition and Metabolism</i> , 2010 , 5, e173-e179		5
33	Measuring the food environment using geographical information systems: a methodological review. <i>Public Health Nutrition</i> , 2010 , 13, 1773-85	3.3	241
32	Physical inactivity differentially alters dietary oleate and palmitate trafficking. <i>Diabetes</i> , 2009 , 58, 367-76.	6.9	72

31	Family dietary coaching to improve nutritional intakes and body weight control: a randomized controlled trial. <i>JAMA Pediatrics</i> , 2008 , 162, 34-43		58
30	Mutational analysis of the pro-opiomelanocortin gene in French obese children led to the identification of a novel deleterious heterozygous mutation located in the alpha-melanocyte stimulating hormone domain. <i>Pediatric Research</i> , 2008 , 63, 211-6	3.2	54
29	The acetate recovery factor to correct tracer-derived dietary fat oxidation in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E645-53	6	18
28	Association between television in bedroom and adiposity throughout adolescence. <i>Obesity</i> , 2007 , 15, 2495-503	8	57
27	Physical activity-related energy expenditure with the RT3 and TriTrac accelerometers in overweight adults. <i>Obesity</i> , 2007 , 15, 950-6	8	40
26	High consumptions of grain, fish, dairy products and combinations of these are associated with a low prevalence of metabolic syndrome. <i>Journal of Epidemiology and Community Health</i> , 2007 , 61, 810-7	5.1	87
25	Consommation de produits laitiers et facteurs de risque cardiovasculaire dans l'Étude MONICA. <i>Cahiers De Nutrition Et De Dietetique</i> , 2006 , 41, 33-38	0.2	7
24	Independent contribution of dairy products and calcium intake to blood pressure variations at a population level. <i>Journal of Hypertension</i> , 2006 , 24, 671-81	1.9	63
23	Diet and physical activity profiles in French preadolescents. <i>British Journal of Nutrition</i> , 2006 , 96, 501-7	3.6	22
22	Is slow wave sleep an appropriate recording condition for heart rate variability analysis?. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2005 , 121, 81-6	2.4	55
21	Interactions between traditional regional determinants and socio-economic status on dietary patterns in a sample of French men. <i>British Journal of Nutrition</i> , 2005 , 93, 109-14	3.6	42
20	Plasma fatty acid composition is associated with the metabolic syndrome and low-grade inflammation in overweight adolescents. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 1178-84	7	220
19	Heart rate variability and intensity of habitual physical activity in middle-aged persons. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 1530-4	1.2	53
18	Sleep as a tool for evaluating autonomic drive to the heart in cardiac transplant patients. <i>Sleep</i> , 2004 , 27, 641-7	1.1	8
17	Alcohol intake and diet in France, the prominent role of lifestyle. <i>European Heart Journal</i> , 2004 , 25, 1153-62	6.2	95
16	Heart rate variability in sportive elderly: relationship with daily physical activity. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 601-5	1.2	46
15	Age-related changes in cardiac autonomic control during sleep. <i>Journal of Sleep Research</i> , 2003 , 12, 173-80	3.0	66
14	Emotional eating, alexithymia, and binge-eating disorder in obese women. <i>Obesity</i> , 2003 , 11, 195-201		168

13	L-arginine: an ultradian-regulated substrate coupled with insulin oscillations in healthy volunteers. <i>Diabetes Care</i> , 2003 , 26, 168-71	14.6	7
12	Sleep processes exert a predominant influence on the 24-h profile of heart rate variability. <i>Journal of Biological Rhythms</i> , 2002 , 17, 539-47	3.2	50
11	Physical activity and coronary event incidence in Northern Ireland and France: the Prospective Epidemiological Study of Myocardial Infarction (PRIME). <i>Circulation</i> , 2002 , 105, 2247-52	16.7	78
10	Ultradian oscillations of insulin secretion in humans. <i>Diabetes</i> , 2002 , 51 Suppl 1, S258-61	0.9	68
9	Inverse coupling between ultradian oscillations in delta wave activity and heart rate variability during sleep. <i>Clinical Neurophysiology</i> , 2001 , 112, 992-6	4.3	128
8	False Hyperprolactinemia Corrected by the Use of Heterophilic Antibody-blocking Agent. <i>Clinical Chemistry</i> , 2001 , 47, 2184-2185	5.5	18
7	Effect of sleep deprivation on overall 24 h growth-hormone secretion. <i>Lancet, The</i> , 2000 , 356, 1408	4.0	63
6	Neuroendocrine processes underlying ultradian sleep regulation in man. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 2686-90	5.6	45
5	Dynamic heart rate variability: a tool for exploring sympathovagal balance continuously during sleep in men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998 , 275, H946-50	5.2	93
4	Renin as a biological marker of the NREM-REM sleep cycle: effect of REM sleep suppression. <i>Journal of Sleep Research</i> , 1994 , 3, 30-35	5.8	15
3	Twenty-four-hour profiles of plasma renin activity in relation to the sleep-wake cycle. <i>Journal of Hypertension</i> , 1994 , 12, 277-284	1.9	76
2	Neuroendocrine Processes Underlying Ultradian Sleep Regulation in Man		13
1	Mobilit� active et sant� : apports et limites d'un protocole de mesure de la marche et du v� combinant des capteurs de mouvements (GPS et acc�). <i>CyberGeo</i> ,		1