

# Germaine Cornelissen Guillaume

## List of Publications by Citations

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129  
papers

2,407  
citations

24  
h-index

45  
g-index

140  
ext. papers

2,770  
ext. citations

4.1  
avg, IF

5.28  
L-index

#	Paper	IF	Citations
129	Procedures for numerical analysis of circadian rhythms. <i>Biological Rhythm Research</i> , <b>2007</b> , 38, 275-325	0.8	451
128	Cosinor-based rhythmometry. <i>Theoretical Biology and Medical Modelling</i> , <b>2014</b> , 11, 16	2.3	291
127	Non-photic solar associations of heart rate variability and myocardial infarction. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2002</b> , 64, 707-720	2	113
126	Circadian rhythmic fractal scaling of heart rate variability in health and coronary artery disease. <i>Clinical Cardiology</i> , <b>1997</b> , 20, 631-8	3.3	83
125	Transdisciplinary unifying implications of circadian findings in the 1950s. <i>Journal of Circadian Rhythms</i> , <b>2003</b> , 1, 2	2.5	79
124	Cross-spectrally coherent ~10.5- and 21-year biological and physical cycles, magnetic storms and myocardial infarctions*. <i>Neuroendocrinology Letters</i> , <b>2000</b> , 21, 233-258	0.3	69
123	STATISTICAL PROCEDURES IN CHRONOBIOLOGY AND CHRONOPHARMACOLOGY <b>1986</b> , 27-141		68
122	Chronobiology of Aging: A Mini-Review. <i>Gerontology</i> , <b>2017</b> , 63, 118-128	5.5	52
121	Predictive Value of Blood Pressure Dipping and Swinging with Regard to Vascular Disease Risk. <i>Clinical Drug Investigation</i> , <b>1996</b> , 11, 20-31	3.2	52
120	Relationship between correlation dimension and indices of linear analysis in both respiratory movement and electroencephalogram. <i>Clinical Neurophysiology</i> , <b>2001</b> , 112, 1147-53	4.3	45
119	From various kinds of heart rate variability to chronocardiology. <i>American Journal of Cardiology</i> , <b>1990</b> , 66, 863-8	3	45
118	Chronobiometry with pocket calculators and computer systems. <i>Research in Clinic and Laboratory</i> , <b>1980</b> , 10, 333-85		38
117	Chronomics: circadian and circaseptan timing of radiotherapy, drugs, calories, perhaps nutraceuticals and beyond. <i>Journal of Experimental Therapeutics and Oncology</i> , <b>2003</b> , 3, 223-60	0.8	34
116	Age, gender and fractal scaling in heart rate variability. <i>Clinical Science</i> , <b>1997</b> , 93, 299-308	6.5	33
115	Circadian Hyper-Amplitude-Tension (CHAT): A Disease Risk Syndrome of Anti-Aging Medicine. <i>Rejuvenation Research</i> , <b>1998</b> , 1, 239-259		33
114	Chronobiology predicts actual and proxy outcomes when dipping fails. <i>Hypertension</i> , <b>2007</b> , 49, 237-9	8.5	32
113	Circadian characteristics of urinary melatonin from clinically healthy young women at different civilization disease risks. <i>Acta Medica Scandinavica</i> , <b>1986</b> , 220, 71-81		31

112	Social class and all-cause mortality in an urban population of North India. <i>Acta Cardiologica</i> , <b>2005</b> , 60, 611-7	0.9	30
111	Blood pressure self-surveillance for health also reflects 1.3-year Richardson solar wind variation: spin-off from chronomics. <i>Biomedicine and Pharmacotherapy</i> , <b>2003</b> , 57 Suppl 1, 58s-76s	7.5	28
110	Impeachment of casual blood pressure measurements and the fixed limits for their interpretation and chronobiologic recommendations. <i>Annals of the New York Academy of Sciences</i> , <b>1996</b> , 783, 24-46	6.5	28
109	Chronobiology's progress. Part I, season's appreciations 2004-2005: time-, frequency-, phase-, variable-, individual-, age- and site-specific chronomics. <i>Journal of Applied Biomedicine</i> , <b>2006</b> , 4, 1-38	0.6	27
108	100 or 30 years after Janeway or Bartter, Healthwatch helps avoid 'flying blind'. <i>Biomedicine and Pharmacotherapy</i> , <b>2004</b> , 58 Suppl 1, S69-86	7.5	26
107	Instrumentation and Data Analysis Methods Needed for Blood Pressure Monitoring in Chronobiology <b>1987</b> , 241-261		25
106	Magnetic storm effect on the circulation of rabbits. <i>Biomedicine and Pharmacotherapy</i> , <b>2004</b> , 58 Suppl 1, S15-9	7.5	24
105	7-day ambulatory monitoring for adults with hypertension and diabetes. <i>American Journal of Kidney Diseases</i> , <b>2001</b> , 37, 878	7.4	22
104	Diagnosing vascular variability anomalies, not only MESOR-hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 305, H279-94	5.2	21
103	Genetic and environmental influences on human cord blood leptin concentration. <i>Pediatrics</i> , <b>1999</b> , 103, 998-1006	7.4	21
102	Toward a personalized chrono-therapy of high blood pressure and a circadian over-swing. <i>Clinical and Experimental Hypertension</i> , <b>2013</b> , 35, 257-66	2.2	20
101	Circadian rhythms of plasma renin activity and aldosterone: changes related to age, sex, recumbency and sodium restriction. Chronobiologic specification for reference values. <i>Chronobiology International</i> , <b>1985</b> , 2, 267-76	3.6	20
100	Geomagnetics and society interact in weekly and broader multiseptans underlying health and environmental integrity. <i>Biomedicine and Pharmacotherapy</i> , <b>2002</b> , 56 Suppl 2, 319s-326s	7.5	19
99	Chronobiometric assessment of autogenic training effects upon blood pressure and heart rate. <i>Perceptual and Motor Skills</i> , <b>1996</b> , 83, 1395-410	2.2	18
98	Chronomics analysis toolkit (CATkit). <i>Biological Rhythm Research</i> , <b>2016</b> , 47, 163-181	0.8	17
97	Feedsideways: intermodulation (strictly) among time structures, chronomes, in and around us, and cosmo-vasculo-neuroimmunity. About ten-yearly changes: what Galileo missed and Schwabe found. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 917, 348-75	6.5	15
96	Clinical relevance of about-yearly changes in blood pressure and the environment. <i>International Journal of Biometeorology</i> , <b>1996</b> , 39, 161-75	3.7	15
95	Chronobiology's progress. Part II, chronomics for an immediately applicable biomedicine. <i>Journal of Applied Biomedicine</i> , <b>2006</b> , 4, 73-86	0.6	15

94	Circadian Time Structure of Circulating Plasma Lipid Components in Healthy Indians of Different Age Groups. <i>Indian Journal of Clinical Biochemistry</i> , <b>2016</b> , 31, 215-23	2.2	14
93	Does Gonyaulax polyedra measure a week?. <i>Cell Biophysics</i> , <b>1986</b> , 8, 69-85		14
92	Effects of autogenic training and antihypertensive agents on circadian and circaseptan variation of blood pressure. <i>Clinical and Experimental Hypertension</i> , <b>2003</b> , 25, 405-12	2.2	13
91	Circasemiannual chronomics: half-yearly biospheric changes in their own right and as a circannual waveform. <i>Biomedicine and Pharmacotherapy</i> , <b>2003</b> , 57 Suppl 1, 45s-54s	7.5	12
90	GOSA, a simulated annealing-based program for global optimization of nonlinear problems, also reveals transyears. <i>Journal of Applied Biomedicine</i> , <b>2006</b> , 4, 87-94	0.6	12
89	Season's appreciations 2001. <i>Neuroendocrinology Letters</i> , <b>2002</b> , 23, 170-87	0.3	12
88	Intrinsic cardiovascular autonomic regulatory system of astronauts exposed long-term to microgravity in space: observational study. <i>Npj Microgravity</i> , <b>2015</b> , 1, 15018	5.3	11
87	Chronomedicine <b>2005</b> ,		11
86	Chronomics of tree rings for chronoastrobiology and beyond. <i>Biomedicine and Pharmacotherapy</i> , <b>2003</b> , 57 Suppl 1, 24s-30s	7.5	11
85	Melatonin mitigates disrupted circadian rhythms, lowers intraocular pressure, and improves retinal ganglion cells function in glaucoma. <i>Journal of Pineal Research</i> , <b>2021</b> , 70, e12730	10.4	11
84	Anti-aging effects of long-term space missions, estimated by heart rate variability. <i>Scientific Reports</i> , <b>2019</b> , 9, 8995	4.9	10
83	Long-term exposure to space's microgravity alters the time structure of heart rate variability of astronauts. <i>Heliyon</i> , <b>2016</b> , 2, e00211	3.6	10
82	Effect of gender, age, diet and smoking status on chronomics of circulating plasma lipid components in healthy Indians. <i>Clinica Chimica Acta</i> , <b>2016</b> , 459, 10-18	6.2	10
81	Circadian time structure of circulating plasma lipid peroxides, antioxidant enzymes and other small molecules in peptic ulcers. <i>Clinica Chimica Acta</i> , <b>2015</b> , 451, 222-6	6.2	9
80	Stress/strain/life revisited. Quantification by blood pressure chronomics: benetensive, transtensive or maletensive chrono-vasculo-neuro-immuno-modulation. <i>Biomedicine and Pharmacotherapy</i> , <b>2003</b> , 57 Suppl 1, 136s-163s	7.5	9
79	Do plasma melatonin concentrations decline with age?. <i>American Journal of Medicine</i> , <b>2000</b> , 109, 343-5	2.4	9
78	Effects of circadian restricted feeding on parameters of metabolic syndrome among healthy subjects. <i>Chronobiology International</i> , <b>2020</b> , 37, 395-402	3.6	9
77	Metabolic Syndrome, Adiponectin, Sleep, and the Circadian System. <i>EBioMedicine</i> , <b>2018</b> , 33, 20-21	8.8	9

76	Ambulatory blood-pressure monitoring. <i>New England Journal of Medicine</i> , <b>2006</b> , 355, 850; author reply 850-1	59.2	8
75	Prehypertensive and other variabilities also await treatment. <i>American Journal of Medicine</i> , <b>2007</b> , 120, e19-20; author reply e21-2	2.4	8
74	A chronomic tree of life: ontogenetic and phylogenetic 'memories' of primordial cycles--keys to ethics. <i>Biomedicine and Pharmacotherapy</i> , <b>2004</b> , 58 Suppl 1, S1-11	7.5	8
73	The biological week and broader time structures (chronomes): in memory of Gunther Hildebrandt. <i>Perceptual and Motor Skills</i> , <b>2000</b> , 90, 579-86	2.2	8
72	About-Daily (Circadian) and About-Weekly (Circaseptan) Patterns of Human Salivary Melatonin. <i>Rejuvenation Research</i> , <b>2000</b> , 3, 263-267		8
71	Changes in human blood pressure with season, age and solar cycles: a 26 year record. <i>International Journal of Biometeorology</i> , <b>1996</b> , 39, 176-81	3.7	8
70	Chronic heart failure: a disease of the brain. <i>Heart Failure Reviews</i> , <b>2019</b> , 24, 301-307	5	8
69	Superposed epoch analysis of physiological fluctuations: possible space weather connections. <i>International Journal of Biometeorology</i> , <b>2018</b> , 62, 449-457	3.7	7
68	Circadian challenge of astronauts' unconscious mind adapting to microgravity in space, estimated by heart rate variability. <i>Scientific Reports</i> , <b>2018</b> , 8, 10381	4.9	7
67	Congruent biospheric and solar-terrestrial cycles. <i>Journal of Applied Biomedicine</i> , <b>2011</b> , 9, 63-102	0.6	7
66	Personalized chronobiologic cybercare; other chronomics' progress by transdisciplinary cycles' congruences: season's appreciations 2009. <i>Journal of Applied Biomedicine</i> , <b>2011</b> , 9, 1-34	0.6	7
65	Chronobiologically Interpreted Ambulatory Blood Pressure Monitoring in Health and Disease. <i>Global Advances in Health and Medicine</i> , <b>2012</b> , 1, 66-123	1.9	7
64	Point and interval estimations of circadian melatonin ecphasia in Smith-Magenis syndrome. <i>Biomedicine and Pharmacotherapy</i> , <b>2003</b> , 57 Suppl 1, 31s-34s	7.5	7
63	GOSA, a simulated annealing-based program for global optimization of nonlinear problems, also reveals transyears. <i>Journal of Applied Biomedicine</i> , <b>2006</b> , 4, 87-94	0.6	7
62	Chronomics and Continuous Ambulatory Blood Pressure Monitoring <b>2016</b> ,		7
61	A half-yearly aspect of circulating melatonin in pregnancies complicated by intrauterine growth retardation. <i>Neuroendocrinology Letters</i> , <b>1999</b> , 20, 55-68	0.3	7
60	Patterns of mortality from cardiac-cerebral vascular disease and influences from the cosmos. <i>Biological Rhythm Research</i> , <b>2014</b> , 45, 579-589	0.8	6
59	Circadian Periodicity of Circulating Plasma Lipid Peroxides, Uric Acid and Ascorbic Acid in Renal Stone Formers. <i>Indian Journal of Clinical Biochemistry</i> , <b>2017</b> , 32, 220-224	2.2	6

58	Circadian time structure of fatty acids and vascular monitoring. <i>Journal of Applied Biomedicine</i> , <b>2010</b> , 8, 93-109	0.6	6
57	Treatment with Open Eyes: Markers-Guided Chronotheranostics 257-323		6
56	Transient circadian hyper-amplitude-tension (CHAT) may be intermittent: case reports illustrating gliding spectral windows. <i>Biomedicine and Pharmacotherapy</i> , <b>2003</b> , 57 Suppl 1, 104s-109s	7.5	6
55	Falls Risk, Circadian Rhythms and Melatonin: Current Perspectives. <i>Clinical Interventions in Aging</i> , <b>2020</b> , 15, 2165-2174	4	6
54	Time structures, chronomes, of soldiers' stature mimicking Hale cycle in neonatal body length. <i>Biomedicine and Pharmacotherapy</i> , <b>2004</b> , 58 Suppl 1, S135-9	7.5	5
53	Chronobiologically Explored Effects of Telmisartan. <i>Clinical and Experimental Hypertension</i> , <b>2005</b> , 27, 119-128	2.2	4
52	Disruption of 24-Hour Rhythm in Intraocular Pressure Correlates with Retinal Ganglion Cell Loss in Glaucoma. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 22,	6.3	4
51	Effect of Gender, Age, Diet and Smoking Status on the Circadian Rhythm of Serum Uric Acid of Healthy Indians of Different Age Groups. <i>Indian Journal of Clinical Biochemistry</i> , <b>2019</b> , 34, 164-171	2.2	4
50	General and unspecific damping by malignancy of the circadian amplitude of circulating human melatonin?. <i>Neuroendocrinology Letters</i> , <b>1999</b> , 20, 25-28	0.3	4
49	Some Near- and Far-Environmental Effects on Human Health and Disease with a Focus on the Cardiovascular System. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	3
48	Effect of gender, age, diet and smoking status on the circadian rhythm of ascorbic acid (vitamin C) of healthy Indians. <i>Journal of Applied Biomedicine</i> , <b>2018</b> , 16, 180-185	0.6	3
47	Prevention strategies for cardiovascular diseases and diabetes mellitus in developing countries: World Conference of Clinical Nutrition 2013. <i>Nutrition</i> , <b>2014</b> , 30, 1085-9	4.8	3
46	Impaired cardiovascular function predicts mortality from respiratory disorders in the elderly. <i>Hypertension Research</i> , <b>2008</b> , 31, 589-91	4.7	3
45	About 21-year hale cyclic signature in agriculture complement those in biomedicine. <i>Biomedicine and Pharmacotherapy</i> , <b>2004</b> , 58 Suppl 1, S12-4	7.5	3
44	Time-varying limits for single blood pressures and heart rates of group-synchronized healthy women. <i>Heart and Vessels</i> , <b>1991</b> , 6, 107-11	2.1	3
43	Schedule shifts, cancer and longevity: good, bad or indifferent?. <i>Journal of Experimental Therapeutics and Oncology</i> , <b>2008</b> , 7, 263-73	0.8	3
42	Cancer chronomics II. Origins of timing cancer treatment. <i>Journal of Experimental Therapeutics and Oncology</i> , <b>2006</b> , 6, 63-72	0.8	3
41	Decadal Cycles in the Human Cardiovascular System <b>2012</b> , 4, 263-287		3

40	Chronobiologically interpreted ambulatory blood pressure monitoring: past, present, and future. <i>Biological Rhythm Research</i> , <b>2019</b> , 50, 46-62	0.8	2
39	Implications and Applications of Circadian Susceptibility Rhythms: Chronomics and Anesthesia	217-255	2
38	Circadian hypo- and hyper-amplitude-tension (CHAT) associated with putative pheochromocytoma and 12-hourly phenoxybenzamine treatment. <i>Biomedicine and Pharmacotherapy</i> , <b>2004</b> , 58 Suppl 1, S99-106	7.5	2
37	About-weekly variations in nocturia. <i>Biomedicine and Pharmacotherapy</i> , <b>2004</b> , 58 Suppl 1, S140-4	7.5	2
36	A change in the period of activity in rats kept under constant dim red light from before to after parturition. <i>Chronobiology International</i> , <b>1988</b> , 5, 99-105	3.6	2
35	Altered Circadian Energy Metabolism and Chronobiological Risk Factors of Chronic Diseases	2019, 513-524	2
34	Profiles in science: Franz Halberg. <i>Journal of Experimental Therapeutics and Oncology</i> , <b>2008</b> , 7, 257-62	0.8	2
33	Chronoastrobiology	2016, 359-403	1
32	Heart Rate Variability Reflecting the Dynamics of Solar Activity	2016, 405-428	1
31	Chronobiology	2016, 163-184	1
30	Chronomics of Circulating Plasma Lipid Peroxides and Antioxidant Enzymes in Renal Stone Formers. <i>Indian Journal of Clinical Biochemistry</i> , <b>2019</b> , 34, 195-200	2.2	1
29	Commentary: Chronomes: time structures within the physiological range identify early disease risk aiming at primary prevention. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>1999</b> , 54, M309-11	6.4	1
28	Peptide Chronomics	2006, 1529-1564	1
27	Intrinsic cardiovascular autonomic regulatory system of astronauts exposed long-term to microgravity in space: observational study		1
26	Chronobiologic assessment of the effect of the DASH diet on blood pressure. <i>Journal of Human Hypertension</i> , <b>2021</b> , 35, 678-684	2.6	1
25	Applications of cosinor rhythmometry in pharmacology. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2021</b> , 48, 339-359	2.7	1
24	Astronauts well-being and possibly anti-aging improved during long-duration spaceflight. <i>Scientific Reports</i> , <b>2021</b> , 11, 14907	4.9	1
23	Community-based comprehensive geriatric assessment of short- and long-term predictors of cognitive decline in elderly adults. <i>Journal of the American Geriatrics Society</i> , <b>2015</b> , 63, 1031-3	5.6	0



- 22 Non-photoc, non-thermic circadecadal solar cycle interaction with cardiovascular circannual and circasemiannual variation in heated air-conditioned habitat. *Biomedicine and Pharmacotherapy*, **2003**, 57 Suppl 1, 55s-57s 7.5 0
- 21 From Chronobiology to Chronomedicine: Early Days **2016**, 1-51
- 20 A Transdisciplinary Near-Transyear in Sudden Cardiac Death Validates Its Counterpart in the Solar Wind and Geomagnetism **2016**, 429-458
- 19 Diagnosing Vascular Variability Disorders and Vascular Variability Syndromes **2016**, 459-479
- 18 What Is Life? Cycles Tipping the Scale Between Death and Survival **2016**, 661-736
- 17 Chronobioethics and Alerting Chronobiologic Ambulatory Blood Pressure Monitoring (C-ABPM; Stress/Strain Test) for Preventing Cardiovascular and for Understanding and Avoiding/Evading Societal and Natural Cataclysms by Personalized and Generalized Chronospheres **2016**, 755-864
- 16 Chronobioethics: What Is Life? **2016**, 99-162
- 15 Introduction to Chronobioengineering **2016**, 271-303
- 14 Can Halberg's approach to chronotherapy improve world health?. *Archives of Medical Science*, **2015**, 11, 911-3 2.9
- 13 Non-transcriptional/translational regulations of the circadian system. *Biological Rhythm Research*, **2015**, 46, 471-481 0.8
- 12 Chronobiology, Chronomics and N-of-1 Tests of Timing Coenzyme Q10 **2008**, 55-92
- 11 Time-Dependent Psychotropic Drug Effects **2006**, 55-94
- 10 No baseline for blood pressure in ordinary life: another case of transient chronome alterations. *Biomedicine and Pharmacotherapy*, **2004**, 58 Suppl 1, S107-10 7.5
- 9 Neuroimmunomodulation: Neuroimmune Interactions with the Environment **1996**, 1537-1550
- 8 Evidence from a Chronobiometric Approach That Chronic Smokers, Although Normotensive, Show an Increase in Diurnal Blood Pressure. *European Journal of Cardiovascular Prevention and Rehabilitation*, **1996**, 3, 313-317
- 7 Home C-ABPM for Preventive and Curative Health Care and Transdisciplinary Science **2008**, 1, 233-262
- 6 Earthquake and ambulatory blood pressure monitoring. *The Journal of Physical Fitness and Sports Medicine*, **2014**, 3, 507-508 0.5
- 5 Comparative analysis of circadian rhythms of hemodynamics and physical activity. *Biological Rhythm Research*, 1-13 0.8



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| 4 | The fetal circadian rhythm in pregnancies complicated by pregestational diabetes is altered by maternal glycemic control and the morning cortisol concentration. <i>Chronobiology International</i> , <b>2019</b> , 36, 481-492           | 3.6 |
| 3 | Circadian periodicity and effect of gender, age, diet and smoking on circulating plasma lipid peroxides and antioxidant enzymes in healthy Indians of different age groups. <i>Biological Rhythm Research</i> , <b>2020</b> , 51, 794-808 | 0.8 |
| 2 | Remembering Franz Halberg, MD (July 5, 1919-June 9, 2013). <i>Journal of Experimental Therapeutics and Oncology</i> , <b>2013</b> , 10, 239-42  | 0.8 |
| 1 | Chronobiological changes in arterial blood pressure in participants of the 5th and 6th Czech Antarctic Scientific Expeditions. <i>Neuroendocrinology Letters</i> , <b>2015</b> , 36, 80-3   | 0.3 |