

Frank A J L Scheer

List of Publications by Year in descending order

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Version: 2024-02-01

160
papers

17,265
citations

11608

70
h-index

15683

125
g-index

169
all docs

169
docs citations

169
times ranked

15648
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Adverse metabolic and cardiovascular consequences of circadian misalignment. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4453-4458. | 3.3 | 1,770 |
| 2 | National Sleep Foundation's sleep quality recommendations: first report. Sleep Health, 2017, 3, 6-19. | 1.3 | 729 |
| 3 | Timing of food intake predicts weight loss effectiveness. International Journal of Obesity, 2013, 37, 604-611. | 1.6 | 474 |
| 4 | Circadian misalignment increases cardiovascular disease risk factors in humans. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1402-11. | 3.3 | 431 |
| 5 | Meal frequency and timing in health and disease. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16647-16653. | 3.3 | 413 |
| 6 | Circadian clocks and insulin resistance. Nature Reviews Endocrinology, 2019, 15, 75-89. | 4.3 | 395 |
| 7 | SCN Outputs and the Hypothalamic Balance of Life. Journal of Biological Rhythms, 2006, 21, 458-469. | 1.4 | 392 |
| 8 | Daily Nighttime Melatonin Reduces Blood Pressure in Male Patients With Essential Hypertension. Hypertension, 2004, 43, 192-197. | 1.3 | 389 |
| 9 | Short-wavelength sensitivity for the direct effects of light on alertness, vigilance, and the waking electroencephalogram in humans. Sleep, 2006, 29, 161-8. | 0.6 | 372 |
| 10 | Genome-wide association study identifies genetic loci for self-reported habitual sleep duration supported by accelerometer-derived estimates. Nature Communications, 2019, 10, 1100. | 5.8 | 369 |
| 11 | Short Sleep Duration and Dietary Intake: Epidemiologic Evidence, Mechanisms, and Health Implications. Advances in Nutrition, 2015, 6, 648-659. | 2.9 | 344 |
| 12 | Endogenous circadian system and circadian misalignment impact glucose tolerance via separate mechanisms in humans. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2225-34. | 3.3 | 323 |
| 13 | Circadian system, sleep and endocrinology. Molecular and Cellular Endocrinology, 2012, 349, 91-104. | 1.6 | 295 |
| 14 | Genome-wide association analyses of sleep disturbance traits identify new loci and highlight shared genetics with neuropsychiatric and metabolic traits. Nature Genetics, 2017, 49, 274-281. | 9.4 | 280 |
| 15 | Later circadian timing of food intake is associated with increased body fat. American Journal of Clinical Nutrition, 2017, 106, 1213-1219. | 2.2 | 280 |
| 16 | Biological and clinical insights from genetics of insomnia symptoms. Nature Genetics, 2019, 51, 387-393. | 9.4 | 250 |
| 17 | Impact of the human circadian system, exercise, and their interaction on cardiovascular function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20541-20546. | 3.3 | 245 |
| 18 | Circadian System and Glucose Metabolism: Implications for Physiology and Disease. Trends in Endocrinology and Metabolism, 2016, 27, 282-293. | 3.1 | 241 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Genome-wide association analysis identifies novel loci for chronotype in 100,420 individuals from the UK Biobank. <i>Nature Communications</i> , 2016, 7, 10889. | 5.8 | 237 |
| 20 | Light Affects Morning Salivary Cortisol in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999, 84, 3395-3398. | 1.8 | 223 |
| 21 | The internal circadian clock increases hunger and appetite in the evening independent of food intake and other behaviors. <i>Obesity</i> , 2013, 21, 421-423. | 1.5 | 206 |
| 22 | The human circadian system adapts to prior photic history. <i>Journal of Physiology</i> , 2011, 589, 1095-1102. | 1.3 | 198 |
| 23 | Night Shift Work, Genetic Risk, and Type 2 Diabetes in the UK Biobank. <i>Diabetes Care</i> , 2018, 41, 762-769. | 4.3 | 196 |
| 24 | Meal timing affects glucose tolerance, substrate oxidation and circadian-related variables: A randomized, crossover trial. <i>International Journal of Obesity</i> , 2015, 39, 828-833. | 1.6 | 188 |
| 25 | Effects of circadian disruption on the cardiometabolic system. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2009, 10, 245-260. | 2.6 | 187 |
| 26 | Metabolic effects of sleep disruption, links to obesity and diabetes. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2014, 21, 293-298. | 1.2 | 187 |
| 27 | Circadian Rhythms, Metabolism, and Chrononutrition in Rodents and Humans. <i>Advances in Nutrition</i> , 2016, 7, 399-406. | 2.9 | 175 |
| 28 | Impact of Circadian Disruption on Cardiovascular Function and Disease. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 767-779. | 3.1 | 170 |
| 29 | Impact of circadian disruption on glucose metabolism: implications for type 2 diabetes. <i>Diabetologia</i> , 2020, 63, 462-472. | 2.9 | 162 |
| 30 | The Human Endogenous Circadian System Causes Greatest Platelet Activation during the Biological Morning Independent of Behaviors. <i>PLoS ONE</i> , 2011, 6, e24549. | 1.1 | 153 |
| 31 | The impact of the circadian timing system on cardiovascular and metabolic function. <i>Progress in Brain Research</i> , 2012, 199, 337-358. | 0.9 | 153 |
| 32 | Organization of circadian functions: interaction with the body. <i>Progress in Brain Research</i> , 2006, 153, 341-360. | 0.9 | 152 |
| 33 | Reduction of scale invariance of activity fluctuations with aging and Alzheimer's disease: Involvement of the circadian pacemaker. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2490-2494. | 3.3 | 152 |
| 34 | Effects of the Internal Circadian System and Circadian Misalignment on Glucose Tolerance in Chronic Shift Workers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1066-1074. | 1.8 | 151 |
| 35 | Meal timing and obesity: interactions with macronutrient intake and chronotype. <i>International Journal of Obesity</i> , 2019, 43, 1701-1711. | 1.6 | 151 |
| 36 | Existence of an Endogenous Circadian Blood Pressure Rhythm in Humans That Peaks in the Evening. <i>Circulation Research</i> , 2011, 108, 980-984. | 2.0 | 150 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Light and Diurnal Cycle Affect Human Heart Rate: Possible Role for the Circadian Pacemaker. <i>Journal of Biological Rhythms</i> , 1999, 14, 202-212. | 1.4 | 146 |
| 38 | Acute Melatonin Administration in Humans Impairs Glucose Tolerance in Both the Morning and Evening. <i>Sleep</i> , 2014, 37, 1715-1719. | 0.6 | 140 |
| 39 | Circadian misalignment induces fatty acid metabolism gene profiles and compromises insulin sensitivity in human skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7789-7794. | 3.3 | 138 |
| 40 | Demonstration of a day-night rhythm in human skeletal muscle oxidative capacity. <i>Molecular Metabolism</i> , 2016, 5, 635-645. | 3.0 | 136 |
| 41 | Acute Effects of Bright Light Exposure on Cortisol Levels. <i>Journal of Biological Rhythms</i> , 2010, 25, 208-216. | 1.4 | 133 |
| 42 | Circadian Misalignment Increases C-Reactive Protein and Blood Pressure in Chronic Shift Workers. <i>Journal of Biological Rhythms</i> , 2017, 32, 154-164. | 1.4 | 133 |
| 43 | Human circadian system causes a morning peak in prothrombotic plasminogen activator inhibitor-1 (PAI-1) independent of the sleep/wake cycle. <i>Blood</i> , 2014, 123, 590-593. | 0.6 | 131 |
| 44 | The Human Circadian System Has a Dominating Role in Causing the Morning/Evening Difference in Diet-Induced Thermogenesis. <i>Obesity</i> , 2015, 23, 2053-2058. | 1.5 | 129 |
| 45 | Sleep inertia, sleep homeostatic and circadian influences on higher-order cognitive functions. <i>Journal of Sleep Research</i> , 2015, 24, 364-371. | 1.7 | 129 |
| 46 | Timing of food intake impacts daily rhythms of human salivary microbiota: a randomized, crossover study. <i>FASEB Journal</i> , 2018, 32, 2060-2072. | 0.2 | 126 |
| 47 | Melatonin, sleep, and circadian rhythms. <i>Sleep Medicine Reviews</i> , 2005, 9, 5-9. | 3.8 | 121 |
| 48 | Klf15 Orchestrates Circadian Nitrogen Homeostasis. <i>Cell Metabolism</i> , 2012, 15, 311-323. | 7.2 | 119 |
| 49 | Genome-wide association analysis of self-reported daytime sleepiness identifies 42 loci that suggest biological subtypes. <i>Nature Communications</i> , 2019, 10, 3503. | 5.8 | 117 |
| 50 | An Endogenous Circadian Rhythm in Sleep Inertia Results in Greatest Cognitive Impairment upon Awakening during the Biological Night. <i>Journal of Biological Rhythms</i> , 2008, 23, 353-361. | 1.4 | 115 |
| 51 | Plasticity of the Intrinsic Period of the Human Circadian Timing System. <i>PLoS ONE</i> , 2007, 2, e721. | 1.1 | 112 |
| 52 | The suprachiasmatic nucleus functions beyond circadian rhythm generation. <i>Neuroscience</i> , 2007, 149, 508-517. | 1.1 | 109 |
| 53 | Physiological and anatomic evidence for regulation of the heart by suprachiasmatic nucleus in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H1391-H1399. | 1.5 | 106 |
| 54 | Circadian disruption and SCN control of energy metabolism. <i>FEBS Letters</i> , 2011, 585, 1412-1426. | 1.3 | 101 |

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|----|--|-----|-----------|
| 55 | Alterations of melatonin receptors MT1 and MT2 in the hypothalamic suprachiasmatic nucleus during depression. <i>Journal of Affective Disorders</i> , 2013, 148, 357-367. | 2.0 | 100 |
| 56 | Direct Effects of Light on Alertness, Vigilance, and the Waking Electroencephalogram in Humans Depend on Prior Light History. <i>Sleep</i> , 2013, 36, 1239-1246. | 0.6 | 94 |
| 57 | Repeated Melatonin Supplementation Improves Sleep in Hypertensive Patients Treated with Beta-Blockers: A Randomized Controlled Trial. <i>Sleep</i> , 2012, 35, 1395-1402. | 0.6 | 93 |
| 58 | Habitual sleep duration is associated with BMI and macronutrient intake and may be modified by CLOCK genetic variants. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 135-143. | 2.2 | 93 |
| 59 | Cardiovascular Control by the Suprachiasmatic Nucleus: Neural and Neuroendocrine Mechanisms in Human and Rat. <i>Biological Chemistry</i> , 2003, 384, 697-709. | 1.2 | 92 |
| 60 | Timing of food intake is associated with weight loss evolution in severe obese patients after bariatric surgery. <i>Clinical Nutrition</i> , 2016, 35, 1308-1314. | 2.3 | 90 |
| 61 | Reduced sleep efficiency in cervical spinal cord injury; association with abolished night time melatonin secretion. <i>Spinal Cord</i> , 2006, 44, 78-81. | 0.9 | 89 |
| 62 | Melatonin Effects on Glucose Metabolism: Time To Unlock the Controversy. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 192-204. | 3.1 | 89 |
| 63 | Environmental light and suprachiasmatic nucleus interact in the regulation of body temperature. <i>Neuroscience</i> , 2005, 132, 465-477. | 1.1 | 87 |
| 64 | Sex differences in the circadian misalignment effects on energy regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23806-23812. | 3.3 | 87 |
| 65 | Differential effects of the circadian system and circadian misalignment on insulin sensitivity and insulin secretion in humans. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2481-2485. | 2.2 | 85 |
| 66 | Late dinner impairs glucose tolerance in MTNR1B risk allele carriers: A randomized, cross-over study. <i>Clinical Nutrition</i> , 2018, 37, 1133-1140. | 2.3 | 83 |
| 67 | Modifiable lifestyle behaviors, but not a genetic risk score, associate with metabolic syndrome in evening chronotypes. <i>Scientific Reports</i> , 2018, 8, 945. | 1.6 | 78 |
| 68 | Ghrelin is impacted by the endogenous circadian system and by circadian misalignment in humans. <i>International Journal of Obesity</i> , 2019, 43, 1644-1649. | 1.6 | 78 |
| 69 | Common type 2 diabetes risk variant in MTNR1B worsens the deleterious effect of melatonin on glucose tolerance in humans. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 1650-1657. | 1.5 | 76 |
| 70 | Impact of Common Diabetes Risk Variant in <i>MTNR1B</i> on Sleep, Circadian, and Melatonin Physiology. <i>Diabetes</i> , 2016, 65, 1741-1751. | 0.3 | 75 |
| 71 | Endogenous Circadian Rhythm in Vasovagal Response to Head-Up Tilt. <i>Circulation</i> , 2011, 123, 961-970. | 1.6 | 74 |
| 72 | Late eating is associated with cardiometabolic risk traits, obesogenic behaviors, and impaired weight loss. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 154-161. | 2.2 | 74 |

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|----|---|-----|-----------|
| 73 | Daily circadian misalignment impairs human cognitive performance task-dependently. <i>Scientific Reports</i> , 2018, 8, 3041. | 1.6 | 72 |
| 74 | Influence of the Circadian System on Disease Severity. <i>Sleep Medicine Clinics</i> , 2009, 4, 143-163. | 1.2 | 71 |
| 75 | Is there a circadian variation of epileptiform abnormalities in idiopathic generalized epilepsy?. <i>Epilepsy and Behavior</i> , 2009, 16, 461-467. | 0.9 | 70 |
| 76 | Light and diurnal cycle affect autonomic cardiac balance in human; possible role for the biological clock. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2004, 110, 44-48. | 1.4 | 69 |
| 77 | Day/night variations of high-molecular-weight adiponectin and lipocalin-2 in healthy men studied under fed and fasted conditions. <i>Diabetologia</i> , 2010, 53, 2401-2405. | 2.9 | 65 |
| 78 | Endogenous circadian regulation of pro-inflammatory cytokines and chemokines in the presence of bacterial lipopolysaccharide in humans. <i>Brain, Behavior, and Immunity</i> , 2015, 47, 4-13. | 2.0 | 64 |
| 79 | Effects of circadian misalignment on cognition in chronic shift workers. <i>Scientific Reports</i> , 2019, 9, 699. | 1.6 | 61 |
| 80 | Timing of Food Intake: Identifying Contributing Factors to Design Effective Interventions. <i>Advances in Nutrition</i> , 2019, 10, 606-620. | 2.9 | 58 |
| 81 | Night shift work is associated with an increased risk of asthma. <i>Thorax</i> , 2021, 76, 53-60. | 2.7 | 56 |
| 82 | Human adipose tissue expresses intrinsic circadian rhythm in insulin sensitivity. <i>FASEB Journal</i> , 2016, 30, 3117-3123. | 0.2 | 54 |
| 83 | Circadian misalignment increases mood vulnerability in simulated shift work. <i>Scientific Reports</i> , 2020, 10, 18614. | 1.6 | 53 |
| 84 | Gene-Environment Interactions of Circadian-Related Genes for Cardiometabolic Traits. <i>Diabetes Care</i> , 2015, 38, 1456-1466. | 4.3 | 52 |
| 85 | The role of the circadian system in fractal neurophysiological control. <i>Biological Reviews</i> , 2013, 88, 873-894. | 4.7 | 51 |
| 86 | Noninvasive fractal biomarker of clock neurotransmitter disturbance in humans with dementia. <i>Scientific Reports</i> , 2013, 3, 2229. | 1.6 | 51 |
| 87 | Lack of exercise leads to significant and reversible loss of scale invariance in both aged and young mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2320-2324. | 3.3 | 49 |
| 88 | The suprachiasmatic nucleus is part of a neural feedback circuit adapting blood pressure response. <i>Neuroscience</i> , 2014, 266, 197-207. | 1.1 | 48 |
| 89 | Daytime eating prevents internal circadian misalignment and glucose intolerance in night work. <i>Science Advances</i> , 2021, 7, eabg9910. | 4.7 | 46 |
| 90 | Effects of Shift Work on the Eating Behavior of Police Officers on Patrol. <i>Nutrients</i> , 2020, 12, 999. | 1.7 | 42 |

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|-----|--|-----|-----------|
| 91 | Progression of Dementia Assessed by Temporal Correlations of Physical Activity: Results From a 3.5-Year, Longitudinal Randomized Controlled Trial. <i>Scientific Reports</i> , 2016, 6, 27742. | 1.6 | 41 |
| 92 | Caloric and Macronutrient Intake Differ with Circadian Phase and between Lean and Overweight Young Adults. <i>Nutrients</i> , 2019, 11, 587. | 1.7 | 40 |
| 93 | Fractal Patterns of Neural Activity Exist within the Suprachiasmatic Nucleus and Require Extrinsic Network Interactions. <i>PLoS ONE</i> , 2012, 7, e48927. | 1.1 | 39 |
| 94 | Circadian Biology and Stroke. <i>Stroke</i> , 2021, 52, 2180-2190. | 1.0 | 38 |
| 95 | Fractal regulation and incident Alzheimer's disease in elderly individuals. <i>Alzheimer's and Dementia</i> , 2018, 14, 1114-1125. | 0.4 | 36 |
| 96 | Genome-wide association study of breakfast skipping links clock regulation with food timing. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 473-484. | 2.2 | 34 |
| 97 | Late Eating Is Associated with Obesity, Inflammatory Markers and Circadian-Related Disturbances in School-Aged Children. <i>Nutrients</i> , 2020, 12, 2881. | 1.7 | 34 |
| 98 | The circadian pacemaker generates similar circadian rhythms in the fractal structure of heart rate in humans and rats. <i>Cardiovascular Research</i> , 2008, 80, 62-68. | 1.8 | 31 |
| 99 | Heritability of the timing of food intake. <i>Clinical Nutrition</i> , 2019, 38, 767-773. | 2.3 | 31 |
| 100 | The Endogenous Circadian Pacemaker Imparts a Scale-Invariant Pattern of Heart Rate Fluctuations across Time Scales Spanning Minutes to 24 Hours. <i>Journal of Biological Rhythms</i> , 2008, 23, 265-273. | 1.4 | 30 |
| 101 | Actigraphic sleep fragmentation, efficiency and duration associate with dietary intake in the Rotterdam Study. <i>Journal of Sleep Research</i> , 2016, 25, 404-411. | 1.7 | 30 |
| 102 | Health consequences of circadian disruption. <i>Sleep</i> , 2020, 43, . | 0.6 | 30 |
| 103 | Association of Objectively Measured Timing of Physical Activity Bouts With Cardiovascular Health in Type 2 Diabetes. <i>Diabetes Care</i> , 2021, 44, 1046-1054. | 4.3 | 30 |
| 104 | The endogenous circadian system worsens asthma at night independent of sleep and other daily behavioral or environmental cycles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 28 |
| 105 | Cross-sectional and Prospective Associations of Rest-Activity Rhythms With Metabolic Markers and Type 2 Diabetes in Older Men. <i>Diabetes Care</i> , 2020, 43, 2702-2712. | 4.3 | 27 |
| 106 | Interplay of Dinner Timing and <i>MTNR1B</i> Type 2 Diabetes Risk Variant on Glucose Tolerance and Insulin Secretion: A Randomized Crossover Trial. <i>Diabetes Care</i> , 2022, 45, 512-519. | 4.3 | 26 |
| 107 | Poor sleep behavior burden and risk of COVID-19 mortality and hospitalization. <i>Sleep</i> , 2021, 44, . | 0.6 | 25 |
| 108 | Circadian gene variants influence sleep and the sleep electroencephalogram in humans. <i>Chronobiology International</i> , 2016, 33, 561-573. | 0.9 | 24 |

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|-----|--|-----|-----------|
| 109 | Chronotype Genetic Variant in PER2 is Associated with Intrinsic Circadian Period in Humans. <i>Scientific Reports</i> , 2019, 9, 5350. | 1.6 | 24 |
| 110 | Day/Night Variability in Blood Pressure: Influence of Posture and Physical Activity. <i>American Journal of Hypertension</i> , 2013, 26, 822-828. | 1.0 | 22 |
| 111 | Simulated shift work in rats perturbs multiscale regulation of locomotor activity. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140318. | 1.5 | 21 |
| 112 | Potential Use of Melatonin as Adjunct Antihypertensive Therapy. <i>American Journal of Hypertension</i> , 2005, 18, 1619-1620. | 1.0 | 20 |
| 113 | Clock Genes Explain a Large Proportion of Phenotypic Variance in Systolic Blood Pressure and This Control Is Not Modified by Environmental Temperature. <i>American Journal of Hypertension</i> , 2016, 29, 132-140. | 1.0 | 20 |
| 114 | Blunted rest-activity rhythms link to higher body mass index and inflammatory markers in children. <i>Sleep</i> , 2021, 44, . | 0.6 | 20 |
| 115 | Association of Poor Sleep Burden in Middle Age and Older Adults With Risk for Delirium During Hospitalization. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 507-516. | 1.7 | 20 |
| 116 | Human basal cortisol levels are increased in hospital compared to home setting. <i>Neuroscience Letters</i> , 2002, 333, 79-82. | 1.0 | 19 |
| 117 | Reduced Tolerance to Night Shift in Chronic Shift Workers: Insight From Fractal Regulation. <i>Sleep</i> , 2017, 40, . | 0.6 | 19 |
| 118 | Circadian Biology: Uncoupling Human Body Clocks by Food Timing. <i>Current Biology</i> , 2017, 27, R656-R658. | 1.8 | 17 |
| 119 | The circadian system modulates the rate of recovery of systolic blood pressure after exercise in humans. <i>Sleep</i> , 2020, 43, . | 0.6 | 17 |
| 120 | Diurnal Variation in Maximum Endurance and Maximum Strength Performance: A Systematic Review and Meta-analysis. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 169-180. | 0.2 | 17 |
| 121 | Melatonin in the Regulation of Sleep and Circadian Rhythms. , 2005, , 395-404. | | 16 |
| 122 | The Relative Impact of Sleep and Circadian Drive on Motor Skill Acquisition and Memory Consolidation. <i>Sleep</i> , 2017, 40, . | 0.6 | 15 |
| 123 | Nocturnal heart rate variability moderates the association between sleep-wake regularity and mood in young adults. <i>Sleep</i> , 2019, 42, . | 0.6 | 15 |
| 124 | Stability of the timing of food intake at daily and monthly timescales in young adults. <i>Scientific Reports</i> , 2020, 10, 20849. | 1.6 | 14 |
| 125 | Common Variants in CLOCK Are Not Associated with Measures of Sleep Duration in People of European Ancestry from the Sleep Heart Health Study. <i>Biological Psychiatry</i> , 2013, 74, e33-e35. | 0.7 | 13 |
| 126 | Effects of obstructive sleep apnea on endogenous circadian rhythms assessed during relaxed wakefulness; an exploratory analysis. <i>Chronobiology International</i> , 2020, 37, 856-866. | 0.9 | 13 |

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|-----|--|-----|-----------|
| 127 | Impact of mental stress, the circadian system and their interaction on human cardiovascular function. <i>Psychoneuroendocrinology</i> , 2019, 103, 125-129. | 1.3 | 12 |
| 128 | Circadian Rhythms in Hormone-sensitive Lipase in Human Adipose Tissue: Relationship to Meal Timing and Fasting Duration. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e4407-e4416. | 1.8 | 12 |
| 129 | Assessment of MTNR1B Type 2 Diabetes Genetic Risk Modification by Shift Work and Morningness-Eveningness Preference in the UK Biobank. <i>Diabetes</i> , 2020, 69, 259-266. | 0.3 | 11 |
| 130 | Chronic Sleep Restriction While Minimizing Circadian Disruption Does Not Adversely Affect Glucose Tolerance. <i>Frontiers in Physiology</i> , 2021, 12, 764737. | 1.3 | 11 |
| 131 | Sleep duration does not mediate or modify association of common genetic variants with type 2 diabetes. <i>Diabetologia</i> , 2014, 57, 339-346. | 2.9 | 10 |
| 132 | Resting Heartbeat Complexity Predicts All-cause and Cardiorespiratory Mortality in Middle-aged to Older Adults From the UK Biobank. <i>Journal of the American Heart Association</i> , 2021, 10, e018483. | 1.6 | 9 |
| 133 | Cross-Sectional and Prospective Associations of Rest-Activity Rhythms With Circulating Inflammatory Markers in Older Men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 55-65. | 1.7 | 9 |
| 134 | Proof-of-principle demonstration of endogenous circadian system and circadian misalignment effects on human oral microbiota. <i>FASEB Journal</i> , 2022, 36, e22043. | 0.2 | 9 |
| 135 | CLOCK 3111T/C genetic variant influences the daily rhythm of autonomic nervous function: relevance to body weight control. <i>International Journal of Obesity</i> , 2018, 42, 190-197. | 1.6 | 8 |
| 136 | A healthy lifestyle "reducing T2DM risk in shift workers?". <i>Nature Reviews Endocrinology</i> , 2019, 15, 194-196. | 4.3 | 8 |
| 137 | Fractal biomarker of activity in patients with bipolar disorder. <i>Psychological Medicine</i> , 2021, 51, 1562-1569. | 2.7 | 8 |
| 138 | Timing of chocolate intake affects hunger, substrate oxidation, and microbiota: A randomized controlled trial. <i>FASEB Journal</i> , 2021, 35, e21649. | 0.2 | 8 |
| 139 | Understanding Circadian Mechanisms of Sudden Cardiac Death: A Report From the National Heart, Lung, and Blood Institute Workshop, Part 1: Basic and Translational Aspects. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e010181. | 2.1 | 8 |
| 140 | Chronic circadian disruption on a high-fat diet impairs glucose tolerance. <i>Metabolism: Clinical and Experimental</i> , 2022, 130, 155158. | 1.5 | 8 |
| 141 | Circadian period of luciferase expression shortens with age in human mature adipocytes from obese patients. <i>FASEB Journal</i> , 2019, 33, 175-180. | 0.2 | 6 |
| 142 | How Accurately Can We Recall the Timing of Food Intake? A Comparison of Food Times from Recall-Based Survey Questions and Daily Food Records. <i>Current Developments in Nutrition</i> , 2022, 6, nzac002. | 0.1 | 6 |
| 143 | Decrease in scale invariance of activity fluctuations with aging and in patients with suprasellar tumors. <i>Chronobiology International</i> , 2018, 35, 368-377. | 0.9 | 5 |
| 144 | Sex-dependent link between circadian misalignment and adiposity. <i>Nature Reviews Endocrinology</i> , 2020, 16, 13-15. | 4.3 | 5 |

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|-----|---|-----|-----------|
| 145 | Unanticipated daytime melatonin secretion on a simulated night shift schedule generates a distinctive 24h melatonin rhythm with antiphase daytime and nighttime peaks. <i>Journal of Pineal Research</i> , 2022, 72, . | 3.4 | 5 |
| 146 | Decreased Sleep in Heart Failure: Are Medications to Blame?. <i>Archives of Internal Medicine</i> , 2007, 167, 1098. | 4.3 | 4 |
| 147 | Heart rate response and recovery during exercise predict future delirium risk? A prospective cohort study in middle- to older-aged adults. <i>Journal of Sport and Health Science</i> , 2021, , . | 3.3 | 4 |
| 148 | Sleep Fragmentation and Estradiol Suppression Decrease Fat Oxidation in Premenopausal Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e3167-e3176. | 1.8 | 4 |
| 149 | Hungry for Sleep: A Role for Endocannabinoids?. <i>Sleep</i> , 2016, 39, 495-496. | 0.6 | 3 |
| 150 | Understanding Circadian Mechanisms of Sudden Cardiac Death: A Report From the National Heart, Lung, and Blood Institute Workshop, Part 2: Population and Clinical Considerations. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e010190. | 2.1 | 3 |
| 151 | Effect of Experimentally Induced Sleep Fragmentation and Hypoestrogenism on Fasting Nutrient Utilization in Pre-Menopausal Women. <i>Journal of the Endocrine Society</i> , 2021, 5, A774-A774. | 0.1 | 1 |
| 152 | Response to Letter Regarding Article, "Endogenous Circadian Rhythm in Vasovagal Response to Head-Up Tilt". <i>Circulation</i> , 2011, 124, . | 1.6 | 0 |
| 153 | Heparin-Induced Thrombocytopenia in Healthy Individuals with Continuous Heparin Infusion. <i>TH Open</i> , 2018, 02, e49-e53. | 0.7 | 0 |
| 154 | 0839 A Prospective Investigation Of Bidirectional Relationships Between Sleep Duration And Obesity. <i>Sleep</i> , 2019, 42, A336-A337. | 0.6 | 0 |
| 155 | 0045 Decreased Oral Glucose Tolerance And Insulin Response During Biological Evening Versus Morning Among Adults Under Free-living Conditions. <i>Sleep</i> , 2019, 42, A18-A19. | 0.6 | 0 |
| 156 | 0050 Impact of the Circadian System and Circadian Misalignment on Human Salivary Microbiota. <i>Sleep</i> , 2019, 42, A20-A21. | 0.6 | 0 |
| 157 | 0155 Circadian and Homeostatic Influences on Caloric Intake: Forced Desynchrony in Healthy Weight, Overweight, and Obese Adolescents. <i>Sleep</i> , 2019, 42, A63-A64. | 0.6 | 0 |
| 158 | 170-OR: Association of Timing of Physical Activity Bouts with Cardiorespiratory Fitness in Adults with Type 2 Diabetes in the Look AHEAD Study. <i>Diabetes</i> , 2020, 69, . | 0.3 | 0 |
| 159 | Abstract P364: Altered Circadian Rhythm in Blood Pressure in Obstructive Sleep Apnea. <i>Hypertension</i> , 2017, 70, . | 1.3 | 0 |
| 160 | Later energy intake relative to mathematically modeled circadian time is associated with higher percentage body fat. <i>Obesity</i> , 2023, 31, 50-56. | 1.5 | 0 |