

# Masahiro Matsuo

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

800  
citations

623734

14  
h-index

526287

27  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1244  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Heart Rate Variability-Based Driver Drowsiness Detection and Its Validation With EEG. IEEE Transactions on Biomedical Engineering, 2019, 66, 1769-1778.  | 4.2  | 138       |
| 2  | Circadian regulation of intracellular G-protein signalling mediates intercellular synchrony and rhythmicity in the suprachiasmatic nucleus. Nature Communications, 2011, 2, 327.   | 12.8 | 123       |
| 3  | Involvement of urinary bladder Connexin43 and the circadian clock in coordination of diurnal micturition rhythm. Nature Communications, 2012, 3, 809.  | 12.8 | 116       |
| 4  | Mammalian circadian clock system: Molecular mechanisms for pharmaceutical and medical sciences. Advanced Drug Delivery Reviews, 2010, 62, 876-884.   | 13.7 | 47        |
| 5  | Comparisons of Portable Sleep Monitors of Different Modalities: Potential as Naturalistic Sleep Recorders. Frontiers in Neurology, 2016, 7, 110.   | 2.4  | 42        |
| 6  | Evaluation of Severity Levels of the Athens Insomnia Scale Based on the Criterion of Insomnia Severity Index. International Journal of Environmental Research and Public Health, 2020, 17, 8789.   | 2.6  | 36        |
| 7  | Activation of AMPA Receptors in the Suprachiasmatic Nucleus Phase-Shifts the Mouse Circadian Clock In Vivo and In Vitro. PLoS ONE, 2010, 5, e10951.  | 2.5  | 28        |
| 8  | Circadian expression of the Na <sup>+</sup> /H <sup>+</sup> exchanger NHE3 in the mouse renal medulla. Biomedical Research, 2009, 30, 87-93.   | 0.9  | 25        |
| 9  | Muscle-Specific Overexpression of Heparin-Binding Epidermal Growth Factor-Like Growth Factor Increases Peripheral Glucose Disposal and Insulin Sensitivity. Endocrinology, 2009, 150, 2683-2691.   | 2.8  | 23        |
| 10 | Association of sleep-disordered breathing with decreased cognitive function among patients with dementia. Journal of Sleep Research, 2014, 23, 517-523.  | 3.2  | 20        |
| 11 | Obstructive sleep apnea screening by heart rate variability-based apnea/normal respiration discriminant model. Physiological Measurement, 2019, 40, 125001.  | 2.1  | 20        |
| 12 | Sleep Spindle Detection Using RUSBoost and Synchrosqueezed Wavelet Transform. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 390-398.   | 4.9  | 19        |
| 13 | Screening of sleep apnea based on heart rate variability and long short-term memory. Sleep and Breathing, 2021, 25, 1821-1829.   | 1.7  | 19        |
| 14 | A novel SNP inhPer2 associates with diurnal preference in a healthy population. Sleep and Biological Rhythms, 2007, 5, 141-145.  | 1.0  | 18        |
| 15 | Development of Diurnal Micturition Pattern in Mice After Weaning. Journal of Urology, 2013, 189, 740-746.  | 0.4  | 15        |
| 16 | Self-Isolation Due to COVID-19 Is Linked to Small One-Year Changes in Depression, Sleepiness, and Insomnia: Results from a Clinic for Sleep Disorders in Shiga Prefecture, Japan. International Journal of Environmental Research and Public Health, 2020, 17, 8971. | 2.6  | 12        |
| 17 | RGS2 is a feedback inhibitor of melatonin production in the pineal gland. FEBS Letters, 2013, 587, 1392-1398.  | 2.8  | 10        |
| 18 | Comparison of self-reported scales and structured interviews for the assessment of depression in an urban male working population in Japan: a cross-sectional survey. Sleep Science and Practice, 2017, 1, .   | 1.3  | 10        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Association of different neural processes during different emotional perceptions of white noise and pure tone auditory stimuli. <i>Neuroscience Letters</i> , 2018, 665, 99-103.  | 2.1 | 10        |
| 20 | Changes in the symptom frequency of rapid eye movement sleep behavior disorder according to disease duration. <i>Sleep Science and Practice</i> , 2017, 1, .  | 1.3 | 9         |
| 21 | Quality of life, depression, and productivity of city government employees in Japan: a comparison study using the Athens insomnia scale and insomnia severity index. <i>Sleep Science and Practice</i> , 2018, 2, .                           | 1.3 | 9         |
| 22 | A light-induced small G-protein gem limits the circadian clock phase-shift magnitude by inhibiting voltage-dependent calcium channels. <i>Cell Reports</i> , 2022, 39, 110844.  | 6.4 | 9         |
| 23 | Circadian characteristics of mice depleted with GPR7. <i>Biomedical Research</i> , 2009, 30, 357-364.   | 0.9 | 7         |
| 24 | Resting Heart Rate Variability Is Associated With Subsequent Orthostatic Hypotension: Comparison Between Healthy Older People and Patients With Rapid Eye Movement Sleep Behavior Disorder. <i>Frontiers in Neurology</i> , 2020, 11, 567984. | 2.4 | 7         |
| 25 | Work Habit-Related Sleep Debt; Insights From Factor Identification Analysis of Actigraphy Data. <i>Frontiers in Public Health</i> , 2021, 9, 630640.  | 2.7 | 7         |
| 26 | Development of sleep apnea syndrome screening algorithm by using heart rate variability analysis and support vector machine. , 2015, 2015, 8165-8.  |     | 6         |
| 27 | Background Music Dependent Reduction of Aversive Perception and Its Relation to P3 Amplitude Reduction and Increased Heart Rate. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 184.  | 2.0 | 5         |
| 28 | Circadian expression of 86- and 84-kDa heat shock proteins in the mouse suprachiasmatic nucleus. <i>Biomedical Research</i> , 2008, 29, 93-98.  | 0.9 | 4         |
| 29 | Bright light exposure augments cognitive behavioral therapy for panic and posttraumatic stress disorders: a pilot randomized control trial. <i>Sleep and Biological Rhythms</i> , 2020, 18, 101-107.  | 1.0 | 2         |
| 30 | Role of $\delta$ in Cellular Synchronization of the Suprachiasmatic Nucleus Under Constant Light Conditions. <i>Neuroscience</i> , 2021, 461, 1-10.   | 2.3 | 2         |
| 31 | Low-dose oral risperidone lengthened sleep duration in healthy participants. <i>Sleep and Biological Rhythms</i> , 2007, 5, 277-283.  | 1.0 | 1         |
| 32 | Development of a Sleep Apnea Detection Algorithm Using Long Short-Term Memory and Heart Rate Variability. , 2019, 2019, 3964-3967.  |     | 1         |
| 33 | 0345 Insomnia Is Associated With Depression And Anxiety In Japanese City Government Employees. <i>Sleep</i> , 2019, 42, A141-A141.  | 1.1 | 0         |