## Alessandro Silvani

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Pilot Study of the Effects of Chronic Intracerebroventricular Infusion of Human Anti-IgLON5 Disease Antibodies in Mice. Cells, 2022, 11, 1024.	4.1	6
2	Tibialis anterior electromyographic bursts during sleep in histamineâ€deficient mice. Journal of Sleep Research, 2021, 30, e13255.	3.2	1
3	Combining information on nocturnal rapid eye movement sleep latency and atonia to facilitate diagnosis of pediatric narcolepsy type 1. Sleep, 2021, 44, .	1.1	6
4	Autonomic mechanisms of blood pressure alterations during sleep in orexin/hypocretin-deficient narcoleptic mice. Sleep, 2021, 44, .	1.1	7
5	Brain–Heart Interaction: Cardiovascular Reflexes. , 2021, , 51-62.		1
6	An Internet of Medical Things System to Increase Continuous Positive Airway Pressure Usage in Patients with Sleep-Disordered Breathing. SN Computer Science, 2021, 2, 1.	3.6	0
7	EFFECTS OF INSOMNIA AND RESTLESS LEGS SYNDROME ON NIGHTTIME ARTERIAL BLOOD PRESSURE: A SYSTEMATIC REVIEW AND META-ANALYSIS. Journal of Hypertension, 2021, 39, e176.	0.5	0
8	Focus on the Complex Interconnection between Cancer, Narcolepsy and Other Neurodegenerative Diseases: A Possible Case of Orexin-Dependent Inverse Comorbidity. Cancers, 2021, 13, 2612.	3.7	22
9	Orexin/Hypocretin and Histamine Cross-Talk on Hypothalamic Neuron Counts in Mice. Frontiers in Neuroscience, 2021, 15, 660518.	2.8	4
10	Heart rate changes associated with the different types of leg movements during sleep in children, adolescents and adults with restless legs syndrome. Journal of Sleep Research, 2021, 30, e13379.	3.2	6
11	Cardiovascular disorders in narcolepsy: Review of associations and determinants. Sleep Medicine Reviews, 2021, 58, 101440.	8.5	39
12	Editorial: The Integrative Physiology of Metabolic Downstates. Frontiers in Physiology, 2021, 12, 758972.	2.8	0
13	Effects of insomnia and restless legs syndrome on sleep arterial blood pressure: A systematic review and meta-analysis. Sleep Medicine Reviews, 2021, 59, 101497.	8.5	19
14	Obstructive sleep apneas naturally occur in mice during REM sleep and are highly prevalent in a mouse model of Down syndrome. Neurobiology of Disease, 2021, 159, 105508.	4.4	8
15	Pre-sleep arousal and sleep quality during the COVID-19 lockdown in Italy. Sleep Medicine, 2021, 88, 46-57.	1.6	19
16	Consensus Guidelines on Rodent Models of Restless Legs Syndrome. Movement Disorders, 2021, 36, 558-569.	3.9	23
17	Sleep and the peripheral vascular system. , 2021, , .		0
18	Early-life nicotine or cotinine exposure produces long-lasting sleep alterations and downregulation of hippocampal corticosteroid receptors in adult mice. Scientific Reports, 2021, 11, 23897.	3.3	5

ALESSANDRO SILVANI

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19	Peculiar lifespan changes of periodic leg movements during sleep in restless legs syndrome. Journal of Sleep Research, 2020, 29, e12896.	3.2	22
20	Treating sleep disorders to improve blood pressure control and cardiovascular prevention: a dream come true?—a narrative review. Journal of Thoracic Disease, 2020, 12, S225-S234.	1.4	10
21	Autonomic nervous system dysfunction in narcolepsy type 1: time to move forward to the next level?. Clinical Autonomic Research, 2020, 30, 501-502.	2.5	2
22	The physiological signature of daily torpor is not orexin dependent. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2020, 190, 493-507.	1.5	7
23	Night, Darkness, Sleep, and Cardiovascular Activity. , 2020, , 585-602.		2
24	Effect of ambient temperature on sleep breathing phenotype in mice: the role of orexins. Journal of Experimental Biology, 2020, 223, .	1.7	7
25	Cardiovascular autonomic dysfunction, altered sleep architecture, and muscle overactivity during nocturnal sleep in pediatric patients with narcolepsy type 1. Sleep, 2019, 42, .	1.1	18
26	Night, Darkness, Sleep, and Cardiovascular Activity. , 2019, , 1-18.		0
27	Postâ€sigh sleep apneas in mice: Systematic review and dataâ€driven definition. Journal of Sleep Research, 2019, 28, e12845.	3.2	7
28	Sleep disorders, nocturnal blood pressure, and cardiovascular risk: A translational perspective. Autonomic Neuroscience: Basic and Clinical, 2019, 218, 31-42.	2.8	50
29	Exploration of autonomic activity in narcolepsy: The riddle remains unsolved. Clinical Neurophysiology, 2019, 130, 406-407.	1.5	2
30	Modulation of sympathetic vasoconstriction is critical for the effects of sleep on arterial pressure in mice. Journal of Physiology, 2018, 596, 591-608.	2.9	14
31	Longâ€ŧerm cardiovascular reprogramming by shortâ€ŧerm perinatal exposure to nicotine's main metabolite cotinine. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 638-646.	1.5	7
32	Mice overexpressing lamin B1 in oligodendrocytes recapitulate the age-dependent motor signs, but not the early autonomic cardiovascular dysfunction of autosomal-dominant leukodystrophy (ADLD). Experimental Neurology, 2018, 301, 1-12.	4.1	11
33	Data-driven approaches to define the upper limit of the intermovement interval of periodic leg movements during sleep. Sleep, 2018, 41, .	1.1	4
34	Dynamic coupling between the central and autonomic nervous systems during sleep: A review. Neuroscience and Biobehavioral Reviews, 2018, 90, 84-103.	6.1	127
35	The link between narcolepsy and autonomic cardiovascular dysfunction: a translational perspective. Clinical Autonomic Research, 2018, 28, 545-555.	2.5	30
36	The ironâ€deficient rat as a model of restless legs syndrome: Was anything lost in translation?. Movement Disorders, 2018, 33, 181-181.	3.9	1

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37	Clinical implications of basic research. Clinical and Translational Neuroscience, 2018, 2, 2514183X1878932.	0.9	8
38	Sleep and Tibialis Anterior Muscle Activity in Mice With Mild Hypoxia and Iron Deficiency: Implications for the Restless Legs Syndrome. Frontiers in Physiology, 2018, 9, 1818.	2.8	6
39	Changes in blood glucose as a function of body temperature in laboratory mice: implications for daily torpor. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E662-E670.	3.5	18
40	Is Adenosine Action Common Ground for NREM Sleep, Torpor, and Other Hypometabolic States?. Physiology, 2018, 33, 182-196.	3.1	25
41	Sequence analysis of leg movements during sleep with different intervals (<10, 10–90 and >90Âs) in restless legs syndrome. Journal of Sleep Research, 2017, 26, 436-443.	3.2	18
42	Accurate discrimination of the wake-sleep states of mice using non-invasive whole-body plethysmography. Scientific Reports, 2017, 7, 41698.	3.3	41
43	REM Sleep EEG Instability in REM Sleep Behavior Disorder and Clonazepam Effects. Sleep, 2017, 40, .	1.1	34
44	Shortâ€interval leg movements during sleep entail greater cardiac activation than periodic leg movements during sleep in restless legs syndrome patients. Journal of Sleep Research, 2017, 26, 602-605.	3.2	24
45	Muscle Activity During Sleep in Human Subjects, Rats, and Mice: Towards Translational Models of REM Sleep Without Atonia. Sleep, 2017, 40, .	1.1	13
46	<scp>CDKL</scp> 5 deficiency entails sleep apneas in mice. Journal of Sleep Research, 2017, 26, 495-497.	3.2	32
47	Orexins and the cardiovascular events of awakening. Temperature, 2017, 4, 128-140.	3.0	11
48	Physiological Mechanisms Mediating the Coupling between Heart Period and Arterial Pressure in Response to Postural Changes in Humans. Frontiers in Physiology, 2017, 8, 163.	2.8	34
49	Commentary: Coordinated infraslow neural and cardiac oscillations mark fragility and offline periods in mammalian sleep. Frontiers in Physiology, 2017, 8, 847.	2.8	3
50	Highâ€amplitude theta wave bursts characterizing narcoleptic mice and patients are also produced by histamine deficiency in mice. Journal of Sleep Research, 2016, 25, 591-595.	3.2	4
51	Brain–heart interactions: physiology and clinical implications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150181.	3.4	164
52	Physiological time structure of the tibialis anterior motor activity during sleep in mice, rats and humans. Journal of Sleep Research, 2015, 24, 695-701.	3.2	13
53	Histamine Transmission Modulates the Phenotype of Murine Narcolepsy Caused by Orexin Neuron Deficiency. PLoS ONE, 2015, 10, e0140520.	2.5	14
54	Reply to "Letter to the editor: Does low-frequency power of heart rate variability correlate with cardiac sympathetic tone in normal sheep?― American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H148-H149.	3.2	1

ALESSANDRO SILVANI

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55	Bidirectional interactions between the baroreceptor reflex and arousal: an update. Sleep Medicine, 2015, 16, 210-216.	1.6	57
56	Sleep and bodily functions: the physiological interplay between body homeostasis and sleep homeostasis. Archives Italiennes De Biologie, 2015, 152, 66-78.	0.4	12
57	Recent development in automatic scoring of rodent sleep. Archives Italiennes De Biologie, 2015, 153, 58-66.	0.4	7
58	High amplitude theta wave bursts: a novel electroencephalographic feature of rem sleep and cataplexy. Archives Italiennes De Biologie, 2015, 153, 77-86.	0.4	3
59	Multiple Sleep Alterations in Mice Lacking Cannabinoid Type 1 Receptors. PLoS ONE, 2014, 9, e89432.	2.5	29
60	Cardiorespiratory Anomalies in Mice Lacking CB1 Cannabinoid Receptors. PLoS ONE, 2014, 9, e100536.	2.5	26
61	Orexin/hypocretin system and autonomic control. Neurology, 2014, 82, 271-278.	1.1	78
62	A critical role of hypocretin deficiency in pregnancy. Journal of Sleep Research, 2014, 23, 186-188.	3.2	6
63	Sleep and cardiovascular phenotype in middleâ€aged hypocretinâ€deficient narcoleptic mice. Journal of Sleep Research, 2014, 23, 98-106.	3.2	28
64	The low frequency power of heart rate variability is neither a measure of cardiac sympathetic tone nor of baroreflex sensitivity. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1005-H1012.	3.2	78
65	SCOPRISM: A new algorithm for automatic sleep scoring in mice. Journal of Neuroscience Methods, 2014, 235, 277-284.	2.5	41
66	Central control of cardiovascular function during sleep. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H1683-H1692.	3.2	101
67	Cardiovascular variability as a function of sleep–wake behaviour in narcolepsy with cataplexy. Journal of Sleep Research, 2013, 22, 178-184.	3.2	28
68	Treating hypertension by targeting orexin receptors: potential effects on the sleepâ€related blood pressure dipping profile. Journal of Physiology, 2013, 591, 6115-6116.	2.9	2
69	Control of cardiovascular variability during undisturbed wake-sleep behavior in hypocretin-deficient mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R958-R964.	1.8	21
70	Mice Show Circadian Rhythms of Blood Pressure During Each Wake-Sleep State. Chronobiology International, 2012, 29, 82-86.	2.0	26
71	Effects of Ambient Temperature on Sleep and Cardiovascular Regulation in Mice: The Role of Hypocretin/Orexin Neurons. PLoS ONE, 2012, 7, e47032.	2.5	58
72	Highâ€amplitude theta wave bursts during REM sleep and cataplexy in hypocretinâ€deficient narcoleptic mice. Journal of Sleep Research, 2012, 21, 185-188.	3.2	20

ALESSANDRO SILVANI

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73	Mathematical modeling of cardiovascular coupling: Central autonomic commands and baroreflex control. Autonomic Neuroscience: Basic and Clinical, 2011, 162, 66-71.	2.8	44
74	Sleep Related Changes in Blood Pressure in Hypocretin-Deficient Narcoleptic Mice. Sleep, 2011, 34, 213-218.	1.1	75
75	The Hypothalamus and Its Functions. , 2011, , 191-203.		4
76	Central and baroreflex control of heart period during the wake–sleep cycle in consomic rats with different genetic susceptibility to hypertension. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 322-327.	1.9	7
77	Dysregulation of Heart Rhythm During Sleep in Leptin-Deficient Obese Mice. Sleep, 2010, 33, 355-361.	1.1	17
78	Sleep Modulates Hypertension in Leptin-Deficient Obese Mice. Hypertension, 2009, 53, 251-255.	2.7	51
79	PHYSIOLOGICAL SLEEPâ€DEPENDENT CHANGES IN ARTERIAL BLOOD PRESSURE: CENTRAL AUTONOMIC COMMANDS AND BAROREFLEX CONTROL. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 987-994.	1.9	79
80	The baroreflex contribution to spontaneous heart rhythm assessed with a mathematical model in rats. Autonomic Neuroscience: Basic and Clinical, 2008, 138, 24-30.	2.8	5
81	Sleep-dependent changes in the coupling between heart period and blood pressure in human subjects. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1686-R1692.	1.8	52
82	Surges of Arterial Pressure During REM Sleep in Spontaneously Hypertensive Rats. Sleep, 2008, 31, 111-117.	1.1	17
83	Central and baroreflex control of heart period during the wake-sleep cycle in spontaneously hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R293-R298.	1.8	18
84	Sleep-dependent changes in cerebral oxygen consumption in newborn lambs. Journal of Sleep Research, 2006, 15, 206-211.	3.2	16
85	REFLEX CARDIOVASCULAR CONTROL IN SLEEP. , 2005, , 323-349.		3
86	Sleep-Related Brain Activation Does Not Increase the Permeability of the Blood-Brain Barrier to Glucose. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 990-997.	4.3	11
87	Sleep-Dependent Changes in the Coupling Between Heart Period and Arterial Pressure in Newborn Lambs. Pediatric Research, 2005, 57, 108-114.	2.3	29
88	Sleep-dependent changes in the cerebral metabolic rate of oxygen consumption in newborn lambs. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S85-S85.	4.3	2
89	Sleep-Related Changes in the Regulation of Cerebral Blood Flow in Newborn Lambs. Sleep, 2004, 27, 36-41.	1.1	12
90	Brain capillary perfusion in the spontaneously hypertensive rat during the wake-sleep cycle. Experimental Brain Research, 2004, 154, 44-49.	1.5	6

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91	Effects of Acoustic Stimulation on Cardiovascular Regulation During Sleep. Sleep, 2003, 26, 201-205.	1.1	23