

# Alessandro Silvani

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

2,043  
citations

270111

25  
h-index

325983

40  
g-index

94  
all docs

94  
docs citations

94  
times ranked

2249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pilot Study of the Effects of Chronic Intracerebroventricular Infusion of Human Anti-IgLON5 Disease Antibodies in Mice. <i>Cells</i> , 2022, 11, 1024.	1.8	6
2	Tibialis anterior electromyographic bursts during sleep in histamine-deficient mice. <i>Journal of Sleep Research</i> , 2021, 30, e13255.	1.7	1
3	Combining information on nocturnal rapid eye movement sleep latency and atonia to facilitate diagnosis of pediatric narcolepsy type 1. <i>Sleep</i> , 2021, 44, .	0.6	6
4	Autonomic mechanisms of blood pressure alterations during sleep in orexin/hypocretin-deficient narcoleptic mice. <i>Sleep</i> , 2021, 44, .	0.6	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. <i>SN Computer Science</i> , 2021, 2, 1.	2.3	0
7	EFFECTS OF INSOMNIA AND RESTLESS LEGS SYNDROME ON NIGHTTIME ARTERIAL BLOOD PRESSURE: A SYSTEMATIC REVIEW AND META-ANALYSIS. <i>Journal of Hypertension</i> , 2021, 39, e176.	0.3	0
8	Focus on the Complex Interconnection between Cancer, Narcolepsy and Other Neurodegenerative Diseases: A Possible Case of Orexin-Dependent Inverse Comorbidity. <i>Cancers</i> , 2021, 13, 2612.	1.7	22
9	Orexin/Hypocretin and Histamine Cross-Talk on Hypothalamic Neuron Counts in Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 660518.	1.4	4
10	Heart rate changes associated with the different types of leg movements during sleep in children, adolescents and adults with restless legs syndrome. <i>Journal of Sleep Research</i> , 2021, 30, e13379.	1.7	6
11	Cardiovascular disorders in narcolepsy: Review of associations and determinants. <i>Sleep Medicine Reviews</i> , 2021, 58, 101440.	3.8	39
12	Editorial: The Integrative Physiology of Metabolic Downstates. <i>Frontiers in Physiology</i> , 2021, 12, 758972.	1.3	0
13	Effects of insomnia and restless legs syndrome on sleep arterial blood pressure: A systematic review and meta-analysis. <i>Sleep Medicine Reviews</i> , 2021, 59, 101497.	3.8	19
14	Obstructive sleep apneas naturally occur in mice during REM sleep and are highly prevalent in a mouse model of Down syndrome. <i>Neurobiology of Disease</i> , 2021, 159, 105508.	2.1	8
15	Pre-sleep arousal and sleep quality during the COVID-19 lockdown in Italy. <i>Sleep Medicine</i> , 2021, 88, 46-57.	0.8	19
16	Consensus Guidelines on Rodent Models of Restless Legs Syndrome. <i>Movement Disorders</i> , 2021, 36, 558-569.	2.2	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. <i>Scientific Reports</i> , 2021, 11, 23897.	1.6	5

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19	Peculiar lifespan changes of periodic leg movements during sleep in restless legs syndrome. <i>Journal of Sleep Research</i> , 2020, 29, e12896.	1.7	22
20	Treating sleep disorders to improve blood pressure control and cardiovascular prevention: a dream come true?â€”a narrative review. <i>Journal of Thoracic Disease</i> , 2020, 12, S225-S234.	0.6	10
21	Autonomic nervous system dysfunction in narcolepsy type 1: time to move forward to the next level?. <i>Clinical Autonomic Research</i> , 2020, 30, 501-502.	1.4	2
22	The physiological signature of daily torpor is not orexin dependent. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 493-507.	0.7	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. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	7
25	Cardiovascular autonomic dysfunction, altered sleep architecture, and muscle overactivity during nocturnal sleep in pediatric patients with narcolepsy type 1. <i>Sleep</i> , 2019, 42, .	0.6	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. <i>Journal of Sleep Research</i> , 2019, 28, e12845.	1.7	7
28	Sleep disorders, nocturnal blood pressure, and cardiovascular risk: A translational perspective. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2019, 218, 31-42.	1.4	50
29	Exploration of autonomic activity in narcolepsy: The riddle remains unsolved. <i>Clinical Neurophysiology</i> , 2019, 130, 406-407.	0.7	2
30	Modulation of sympathetic vasoconstriction is critical for the effects of sleep on arterial pressure in mice. <i>Journal of Physiology</i> , 2018, 596, 591-608.	1.3	14
31	Longâ€term cardiovascular reprogramming by shortâ€term perinatal exposure to nicotine's main metabolite cotinine. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 638-646.	0.7	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). <i>Experimental Neurology</i> , 2018, 301, 1-12.	2.0	11
33	Data-driven approaches to define the upper limit of the intermovement interval of periodic leg movements during sleep. <i>Sleep</i> , 2018, 41, .	0.6	4
34	Dynamic coupling between the central and autonomic nervous systems during sleep: A review. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 84-103.	2.9	127
35	The link between narcolepsy and autonomic cardiovascular dysfunction: a translational perspective. <i>Clinical Autonomic Research</i> , 2018, 28, 545-555.	1.4	30
36	The ironâ€deficient rat as a model of restless legs syndrome: Was anything lost in translation?. <i>Movement Disorders</i> , 2018, 33, 181-181.	2.2	1

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37	Clinical implications of basic research. <i>Clinical and Translational Neuroscience</i> , 2018, 2, 2514183X1878932.	0.4	8
38	Sleep and Tibialis Anterior Muscle Activity in Mice With Mild Hypoxia and Iron Deficiency: Implications for the Restless Legs Syndrome. <i>Frontiers in Physiology</i> , 2018, 9, 1818.	1.3	6
39	Changes in blood glucose as a function of body temperature in laboratory mice: implications for daily torpor. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E662-E670.	1.8	18
40	Is Adenosine Action Common Ground for NREM Sleep, Torpor, and Other Hypometabolic States?. <i>Physiology</i> , 2018, 33, 182-196.	1.6	25
41	Sequence analysis of leg movements during sleep with different intervals (<math>10\text{--}90\text{ s}</math>) in restless legs syndrome. <i>Journal of Sleep Research</i> , 2017, 26, 436-443.	1.7	18
42	Accurate discrimination of the wake-sleep states of mice using non-invasive whole-body plethysmography. <i>Scientific Reports</i> , 2017, 7, 41698.	1.6	41
43	REM Sleep EEG Instability in REM Sleep Behavior Disorder and Clonazepam Effects. <i>Sleep</i> , 2017, 40, .	0.6	34
44	Short-interval leg movements during sleep entail greater cardiac activation than periodic leg movements during sleep in restless legs syndrome patients. <i>Journal of Sleep Research</i> , 2017, 26, 602-605.	1.7	24
45	Muscle Activity During Sleep in Human Subjects, Rats, and Mice: Towards Translational Models of REM Sleep Without Atonia. <i>Sleep</i> , 2017, 40, .	0.6	13
46	<math>CDKL5</math> deficiency entails sleep apneas in mice. <i>Journal of Sleep Research</i> , 2017, 26, 495-497.	1.7	32
47	Orexins and the cardiovascular events of awakening. <i>Temperature</i> , 2017, 4, 128-140.	1.7	11
48	Physiological Mechanisms Mediating the Coupling between Heart Period and Arterial Pressure in Response to Postural Changes in Humans. <i>Frontiers in Physiology</i> , 2017, 8, 163.	1.3	34
49	Commentary: Coordinated infraslow neural and cardiac oscillations mark fragility and offline periods in mammalian sleep. <i>Frontiers in Physiology</i> , 2017, 8, 847.	1.3	3
50	High-amplitude theta wave bursts characterizing narcoleptic mice and patients are also produced by histamine deficiency in mice. <i>Journal of Sleep Research</i> , 2016, 25, 591-595.	1.7	4
51	Brain-heart interactions: physiology and clinical implications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150181.	1.6	164
52	Physiological time structure of the tibialis anterior motor activity during sleep in mice, rats and humans. <i>Journal of Sleep Research</i> , 2015, 24, 695-701.	1.7	13
53	Histamine Transmission Modulates the Phenotype of Murine Narcolepsy Caused by Orexin Neuron Deficiency. <i>PLoS ONE</i> , 2015, 10, e0140520.	1.1	14
54	Reply to "Letter to the editor: Does low-frequency power of heart rate variability correlate with cardiac sympathetic tone in normal sheep?". <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H148-H149.	1.5	1

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55	Bidirectional interactions between the baroreceptor reflex and arousal: an update. <i>Sleep Medicine</i> , 2015, 16, 210-216.	0.8	57
56	Sleep and bodily functions: the physiological interplay between body homeostasis and sleep homeostasis. <i>Archives Italiennes De Biologie</i> , 2015, 152, 66-78.	0.1	12
57	Recent development in automatic scoring of rodent sleep. <i>Archives Italiennes De Biologie</i> , 2015, 153, 58-66.	0.1	7
58	High amplitude theta wave bursts: a novel electroencephalographic feature of rem sleep and cataplexy. <i>Archives Italiennes De Biologie</i> , 2015, 153, 77-86.	0.1	3
59	Multiple Sleep Alterations in Mice Lacking Cannabinoid Type 1 Receptors. <i>PLoS ONE</i> , 2014, 9, e89432.	1.1	29
60	Cardiorespiratory Anomalies in Mice Lacking CB1 Cannabinoid Receptors. <i>PLoS ONE</i> , 2014, 9, e100536.	1.1	26
61	Orexin/hypocretin system and autonomic control. <i>Neurology</i> , 2014, 82, 271-278.	1.5	78
62	A critical role of hypocretin deficiency in pregnancy. <i>Journal of Sleep Research</i> , 2014, 23, 186-188.	1.7	6
63	Sleep and cardiovascular phenotype in middle-aged hypocretin-deficient narcoleptic mice. <i>Journal of Sleep Research</i> , 2014, 23, 98-106.	1.7	28
64	The low frequency power of heart rate variability is neither a measure of cardiac sympathetic tone nor of baroreflex sensitivity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1005-H1012.	1.5	78
65	SCOPRISM: A new algorithm for automatic sleep scoring in mice. <i>Journal of Neuroscience Methods</i> , 2014, 235, 277-284.	1.3	41
66	Central control of cardiovascular function during sleep. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1683-H1692.	1.5	101
67	Cardiovascular variability as a function of sleep-wake behaviour in narcolepsy with cataplexy. <i>Journal of Sleep Research</i> , 2013, 22, 178-184.	1.7	28
68	Treating hypertension by targeting orexin receptors: potential effects on the sleep-related blood pressure dipping profile. <i>Journal of Physiology</i> , 2013, 591, 6115-6116.	1.3	2
69	Control of cardiovascular variability during undisturbed wake-sleep behavior in hypocretin-deficient mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R958-R964.	0.9	21
70	Mice Show Circadian Rhythms of Blood Pressure During Each Wake-Sleep State. <i>Chronobiology International</i> , 2012, 29, 82-86.	0.9	26
71	Effects of Ambient Temperature on Sleep and Cardiovascular Regulation in Mice: The Role of Hypocretin/Orexin Neurons. <i>PLoS ONE</i> , 2012, 7, e47032.	1.1	58
72	High-amplitude theta wave bursts during REM sleep and cataplexy in hypocretin-deficient narcoleptic mice. <i>Journal of Sleep Research</i> , 2012, 21, 185-188.	1.7	20

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73	Mathematical modeling of cardiovascular coupling: Central autonomic commands and baroreflex control. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2011, 162, 66-71.	1.4	44
74	Sleep Related Changes in Blood Pressure in Hypocretin-Deficient Narcoleptic Mice. <i>Sleep</i> , 2011, 34, 213-218.	0.6	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. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, 322-327.	0.9	7
77	Dysregulation of Heart Rhythm During Sleep in Leptin-Deficient Obese Mice. <i>Sleep</i> , 2010, 33, 355-361.	0.6	17
78	Sleep Modulates Hypertension in Leptin-Deficient Obese Mice. <i>Hypertension</i> , 2009, 53, 251-255.	1.3	51
79	PHYSIOLOGICAL SLEEP-DEPENDENT CHANGES IN ARTERIAL BLOOD PRESSURE: CENTRAL AUTONOMIC COMMANDS AND BAROREFLEX CONTROL. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008, 35, 987-994.	0.9	79
80	The baroreflex contribution to spontaneous heart rhythm assessed with a mathematical model in rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2008, 138, 24-30.	1.4	5
81	Sleep-dependent changes in the coupling between heart period and blood pressure in human subjects. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1686-R1692.	0.9	52
82	Surges of Arterial Pressure During REM Sleep in Spontaneously Hypertensive Rats. <i>Sleep</i> , 2008, 31, 111-117.	0.6	17
83	Central and baroreflex control of heart period during the wake-sleep cycle in spontaneously hypertensive rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R293-R298.	0.9	18
84	Sleep-dependent changes in cerebral oxygen consumption in newborn lambs. <i>Journal of Sleep Research</i> , 2006, 15, 206-211.	1.7	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. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 990-997.	2.4	11
87	Sleep-Dependent Changes in the Coupling Between Heart Period and Arterial Pressure in Newborn Lambs. <i>Pediatric Research</i> , 2005, 57, 108-114.	1.1	29
88	Sleep-dependent changes in the cerebral metabolic rate of oxygen consumption in newborn lambs. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S85-S85.	2.4	2
89	Sleep-Related Changes in the Regulation of Cerebral Blood Flow in Newborn Lambs. <i>Sleep</i> , 2004, 27, 36-41.	0.6	12
90	Brain capillary perfusion in the spontaneously hypertensive rat during the wake-sleep cycle. <i>Experimental Brain Research</i> , 2004, 154, 44-49.	0.7	6

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91	Effects of Acoustic Stimulation on Cardiovascular Regulation During Sleep. <i>Sleep</i> , 2003, 26, 201-205.	0.6	23