Angeles Rol

List of Publications by Year
in descending order

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74 papers	2,391 citations	185998 28 h-index	223531 46 g-index
74 all docs	74 docs citations	74 times ranked	2842 citing authors

#	Article	IF	Citations
1	Circadian rhythm of wrist temperature in normal-living subjects. Physiology and Behavior, 2008, 95, 570-580.	1.0	187
2	Protecting the Melatonin Rhythm through Circadian Healthy Light Exposure. International Journal of Molecular Sciences, 2014, 15, 23448-23500.	1.8	170
3	A New Integrated Variable Based on Thermometry, Actimetry and Body Position (TAP) to Evaluate Circadian System Status in Humans. PLoS Computational Biology, 2010, 6, e1000996.	1.5	146
4	Circadian phase asessment by ambulatory monitoring in humans: Correlation with dim light melatonin onset. Chronobiology International, 2014, 31, 37-51.	0.9	95
5	Daily locomotor activity and melatonin rhythms in Senegal sole (Solea senegalensis). Physiology and Behavior, 2004, 81, 577-583.	1.0	94
6	Nurses' sleep quality, work environment and quality of care in the Spanish National Health System: observational study among different shifts. BMJ Open, 2016, 6, e012073.	0.8	78
7	Crosstalk Between Environmental Light and Internal Time in Humans. Chronobiology International, 2011, 28, 617-629.	0.9	70
8	Daytime variation in ambient temperature affects skin temperatures and blood pressure: Ambulatory winter/summer comparison in healthy young women. Physiology and Behavior, 2015, 149, 203-211.	1.0	70
9	Age-related brain pathology in Octodon degu: Blood vessel, white matter and Alzheimer-like pathology. Neurobiology of Aging, 2011, 32, 1651-1661.	1.5	58
10	Uncovering Different Masking Factors on Wrist Skin Temperature Rhythm in Free-Living Subjects. PLoS ONE, 2013, 8, e61142.	1.1	58
11	Assessment of Circadian Rhythms of Both Skin Temperature and Motor Activity in Infants During the First 6 Months of Life. Chronobiology International, 2011, 28, 330-337.	0.9	56
12	The circadian restâ€activity rhythm, a potential safety pharmacology endpoint of cancer chemotherapy. International Journal of Cancer, 2014, 134, 2717-2725.	2.3	56
13	Effects of exogenous melatonin and circadian synchronization on tumor progression in melanoma-bearing C57BL6 mice. Journal of Pineal Research, 2008, 44, 307-315.	3.4	49
14	Dayâ€“night contrast as source of health for the human circadian system. Chronobiology International, 2014, 31, 382-393.	0.9	49
15	Ambulatory Circadian Monitoring (ACM) based on Thermometry, motor Activity and body Position (TAP): A comparison with polysomnography. Physiology and Behavior, 2014, 126, 30-38.	1.0	49
16	Looking for the keys to diurnality downstream from the circadian clock: role of melatonin in a dual-phasing rodent, Octodon degus. Journal of Pineal Research, 2007, 42, 280-290.	3.4	46
17	Teaching Chronobiology and Sleep Habits in School and University. Mind, Brain, and Education, 2008, 2, 34-47.	0.9	44
18	Circadian System Functionality, Hippocampal Oxidative Stress, and Spatial Memory in the APPswe/PS1dE9 Transgenic Model of Alzheimer Disease: Effects of Melatonin or Ramelteon. Chronobiology International, 2012, 29, 822-834.	0.9	44

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19	Long-term social isolation in the adulthood results in CA1 shrinkage and cognitive impairment. Neurobiology of Learning and Memory, 2013, 106, 31-39.	1.0	44
20	Both pineal and lateral eyes are needed to sustain daily circulating melatonin rhythms in sea bass. Brain Research, 2003, 969, 175-182.	1.1	42
21	Relevance of internal time and circadian robustness for cancer patients. BMC Cancer, 2016, 16, 285.	1.1	39
22	Melatonin, a Potential Therapeutic Agent for Smooth Muscle-Related Pathological Conditions and Aging. Current Medicinal Chemistry, 2010, 17, 4150-4165.	1.2	38
23	Circadian monitoring as an aging predictor. Scientific Reports, 2018, 8, 15027.	1.6	38
24	Multidimensional Circadian Monitoring by Wearable Biosensors in Parkinsonâ€™s Disease. Frontiers in Neurology, 2018, 9, 157.	1.1	37
25	Wrist Skin Temperature, Motor Activity, and Body Position as Determinants of the Circadian Pattern of Blood Pressure. Chronobiology International, 2012, 29, 747-756.	0.9	35
26	Assessing Chronotypes by Ambulatory Circadian Monitoring. Frontiers in Physiology, 2019, 10, 1396.	1.3	32
27	Circadian Impairment of Distal Skin Temperature Rhythm in Patients With Sleep-Disordered Breathing: The Effect of CPAP. Sleep, 2017, 40, .	0.6	32
28	Aging and time-of-day effects on anxiety in female Octodon degus. Behavioural Brain Research, 2009, 200, 117-121.	1.2	31
29	Validation of a Device for the Ambulatory Monitoring of Sleep Patterns: A Pilot Study on Parkinson's Disease. Frontiers in Neurology, 2019, 10, 356.	1.1	31
30	Circadian dysfunction in P23H rhodopsin transgenic rats: effects of exogenous melatonin. Journal of Pineal Research, 2011, 50, 183-191.	3.4	30
31	A Comparison of B16 Melanoma Cells and 3T3 Fibroblasts Concerning Cell Viability and ROS Production in the Presence of Melatonin, Tested Over a Wide Range of Concentrations. International Journal of Molecular Sciences, 2013, 14, 3901-3920.	1.8	30
32	Ontogeny and aging of the distal skin temperature rhythm in humans. Age, 2015, 37, 29.	3.0	30
33	TEMPERATURE CYCLES TRIGGER NOCTURNALISM IN THE DIURNAL HOMEOTHERMOCTODON DEGUS. Chronobiology International, 2010, 27, 517-534.	0.9	28
34	The Characterization of Biological Rhythms in Mild Cognitive Impairment. BioMed Research International, 2014, 2014, 1-7.	0.9	27
35	Recombinant human growth hormone enhances tibial growth in peripubertal female rats but not in males. European Journal of Endocrinology, 2000, 142, 517-523.	1.9	25
36	Relationship between Human Pupillary Light Reflex and Circadian System Status. PLoS ONE, 2016, 11, e0162476.	1.1	25

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37	Two Steadyâ€Entrainment Phases and Graded Masking Effects by Light Generate Different Circadian Chronotypes inOctodon degus. Chronobiology International, 2009, 26, 219-241.	0.9	24
38	Period Gene Expression in the Brain of a Dual-Phasing Rodent, the Octodon degus. Journal of Biological Rhythms, 2013, 28, 249-261.	1.4	24
39	DISSOCIATION OF THE CIRCADIAN SYSTEM OF OCTODON DEGUS BY T28 AND T21 LIGHT-DARK CYCLES. Chronobiology International, 2010, 27, 1580-1595.	0.9	22
40	Barnes maze performance of Octodon degus is gender dependent. Behavioural Brain Research, 2010, 212, 159-167.	1.2	21
41	INTERNAL TEMPORAL ORDER IN THE CIRCADIAN SYSTEM OF A DUAL-PHASING RODENT, THE OCTODON DEGUS. Chronobiology International, 2010, 27, 1564-1579.	0.9	19
42	PACEMAKER PHASE CONTROL VERSUS MASKING BY LIGHT: SETTING THE CIRCADIAN CHRONOTYPE IN DUALOCTODON DEGUS. Chronobiology International, 2010, 27, 1365-1379.	0.9	19
43	Short-term Growth: Evidence for Chaotic Series of Mini Growth Spurts in Rat Growth. Physiology and Behavior, 1998, 64, 7-13.	1.0	18
44	Light color importance for circadian entrainment in a diurnal (Octodon degus) and a nocturnal (Rattus norvegicus) rodent. Scientific Reports, 2017, 7, 8846.	1.6	18
45	Targeting neurons in the gastrointestinal tract to treat Parkinson's disease. Clinical Parkinsonism & Related Disorders, 2019, 1, 2-7.	0.5	18
46	Living Without Temporal Cues: A Case Study. Frontiers in Physiology, 2020, 11, 11.	1.3	18
47	Influence of gestational diabetes on circadian rhythms of children and their association with fetal adiposity. Diabetes/Metabolism Research and Reviews, 2013, 29, 483-491.	1.7	15
48	Effects of melatonin administration on oxidative stress and daily locomotor activity patterns in goldfish. Journal of Physiology and Biochemistry, 2006, 62, 17-25.	1.3	14
49	NOCTURNALISM INDUCED BY SCHEDULED FEEDING IN DIURNALOCTODON DEGUS. Chronobiology International, 2010, 27, 233-250.	0.9	14
50	Validation of an innovative method, based on tilt sensing, for the assessment of activity and body position. Chronobiology International, 2015, 32, 701-710.	0.9	14
51	Effect of Single and Combined Monochromatic Light on the Human Pupillary Light Response. Frontiers in Neurology, 2018, 9, 1019.	1.1	14
52	Application of Machine Learning Methods to Ambulatory Circadian Monitoring (ACM) for Discriminating Sleep and Circadian Disorders. Frontiers in Neuroscience, 2019, 13, 1318.	1.4	12
53	Serum levels of GH, IGF-I, LH and ovarian steroids in cyclic and RU486-treated rats. Journal of Endocrinological Investigation, 1997, 20, 611-615.	1.8	11
54	Sexual Dimorphism in Growth as Measured by Microknemometry: Different Responses to GH Deficiency and Exogenous GH Administration. Neuroendocrinology, 1998, 68, 210-219.	1.2	11

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55	Determining Light Intensity, Timing and Type of Visible and Circadian Light From an Ambulatory Circadian Monitoring Device. Frontiers in Physiology, 2019, 10, 822.	1.3	9
56	Sleepiness in Spanish nursing staff â€“ influence of chronotype and care unit in circadian rhythm impairment: research protocol. Journal of Advanced Nursing, 2014, 70, 211-219.	1.5	8
57	Impact of a shift work-like lighting schedule on the functioning of the circadian system in the short-lived fish Nothobranchius furzeri. Experimental Gerontology, 2018, 112, 44-53.	1.2	7
58	Melatonin alleviates circadian system disruption induced by chronic shifts of the lightâ€dark cycle in Octodon degus. Journal of Pineal Research, 2020, 68, e12619.	3.4	7
59	Chronodisruption and Ambulatory Circadian Monitoring in Cancer Patients: Beyond the Body Clock. Current Oncology Reports, 2022, 24, 135-149.	1.8	7
60	Age-related changes in mitochondrial membrane composition of Nothobranchius furzeri.: comparison with a longer-living Nothobranchius species. Biogerontology, 2019, 20, 83-92.	2.0	6
61	Activityâ€rest circadian pattern and academic achievement, executive function, and intelligence in children with obesity. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 653-664.	1.3	6
62	Widespread Doublecortin Expression in the Cerebral Cortex of the Octodon degus. Frontiers in Neuroanatomy, 2021, 15, 656882.	0.9	3
63	Correlated color temperature and light intensity: Complementary features in non-visual light field. PLoS ONE, 2021, 16, e0254171.	1.1	3
64	Multispectral estimation of retinal photoreceptoral inputs. Photonics Letters of Poland, 2019, 11, 60.	0.2	3
65	Growth hormone response to long-term GH-RH administration in lambs. Journal of Physiology and Biochemistry, 2000, 56, 107-115.	1.3	2
66	Daily rat tibial growth in vivo following hypothalamic sex reversal with neonatal and pubertal treatments with gonadal steroids. Annals of Human Biology, 2001, 28, 38-50.	0.4	2
67	How to engage medical students in chronobiology: an example on autorhythmometry. American Journal of Physiology - Advances in Physiology Education, 2005, 29, 160-164.	0.8	2
68	Detection of factors influencing circadian rhythms on Intensive Care inpatients and hospitalization: Protocol for an observational study. Journal of Advanced Nursing, 2021, 77, 411-416.	1.5	2
69	Ambulatory circadian monitoring in sleep disordered breathing patients and CPAP treatment. Scientific Reports, 2021, 11, 14711.	1.6	2
70	Technology and Pregnancy. Diabetes Technology and Therapeutics, 2015, 17, S-67-S-75.	2.4	1
71	Behavioral and Thermoregulatory Responses to Changes in Ambient Temperature and Wheel Running Availability in Octodon degus. Frontiers in Integrative Neuroscience, 2021, 15, 684988.	1.0	1
72	Electrochromic selective filtering of chronodisruptive visible wavelengths. PLoS ONE, 2020, 15, e0241900.	1.1	1

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73	Complexity Changes in Human Wrist Temperature Circadian Rhythms through Ageing. Lecture Notes in Computer Science, 2011, , 401-410.	1.0	0
74	Age Classification Through the Evaluation of Circadian Rhythms of Wrist Temperature. Lecture Notes in Computer Science, 2016, , 99-109.	1.0	0