

Juan Antonio Madrid

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

3,199
citations

32
h-index

52
g-index

109
ext. papers

3,724
ext. citations

3.9
avg, IF

5.28
L-index

#	Paper	IF	Citations
106	Melatonin, the circadian multioscillator system and health: the need for detailed analyses of peripheral melatonin signaling. <i>Journal of Pineal Research</i> , 2012 , 52, 139-66	10.4	310
105	Protecting the melatonin rhythm through circadian healthy light exposure. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 23448-500	6.3	126
104	Chronobiological aspects of nutrition, metabolic syndrome and obesity. <i>Advanced Drug Delivery Reviews</i> , 2010 , 62, 967-78	18.5	125
103	Circadian rhythms of feeding activity in sea bass, <i>Dicentrarchus labrax</i> L.: dual phasing capacity of diel demand-feeding pattern. <i>Journal of Biological Rhythms</i> , 1995 , 10, 256-66	3.2	125
102	A new integrated variable based on thermometry, actimetry and body position (TAP) to evaluate circadian system status in humans. <i>PLoS Computational Biology</i> , 2010 , 6, e1000996	5	113
101	Chronobiology, genetics and metabolic syndrome. <i>Current Opinion in Lipidology</i> , 2009 , 20, 127-34	4.4	110
100	Acute melatonin administration in humans impairs glucose tolerance in both the morning and evening. <i>Sleep</i> , 2014 , 37, 1715-9	1.1	109
99	Daily profile in two circadian markers "melatonin and cortisol" and associations with metabolic syndrome components. <i>Physiology and Behavior</i> , 2014 , 123, 231-5	3.5	88
98	Circadian rhythm of clock genes in human adipose explants. <i>Obesity</i> , 2009 , 17, 1481-5	8	88
97	Exercise and melatonin in humans: reciprocal benefits. <i>Journal of Pineal Research</i> , 2012 , 52, 1-11	10.4	87
96	PERIOD2 variants are associated with abdominal obesity, psycho-behavioral factors, and attrition in the dietary treatment of obesity. <i>Journal of the American Dietetic Association</i> , 2010 , 110, 917-21		68
95	Crosstalk between environmental light and internal time in humans. <i>Chronobiology International</i> , 2011 , 28, 617-29	3.6	62
94	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, 1650-7	12.7	57
93	The vigilance decrement in executive function is attenuated when individual chronotypes perform at their optimal time of day. <i>PLoS ONE</i> , 2014 , 9, e88820	3.7	56
92	Light and temperature cycles as zeitgebers of zebrafish (<i>Danio rerio</i>) circadian activity rhythms. <i>Chronobiology International</i> , 2006 , 23, 537-50	3.6	49
91	Daytime variation in ambient temperature affects skin temperatures and blood pressure: Ambulatory winter/summer comparison in healthy young women. <i>Physiology and Behavior</i> , 2015 , 149, 203-11	3.5	48
90	Assessment of circadian rhythms of both skin temperature and motor activity in infants during the first 6 months of life. <i>Chronobiology International</i> , 2011 , 28, 330-7	3.6	46

89	Age-related brain pathology in <i>Octodon degu</i> : blood vessel, white matter and Alzheimer-like pathology. <i>Neurobiology of Aging</i> , 2011 , 32, 1651-61	5.6	45
88	An approximation to the temporal order in endogenous circadian rhythms of genes implicated in human adipose tissue metabolism. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2075-80	7	45
87	Nurses' sleep quality, work environment and quality of care in the Spanish National Health System: observational study among different shifts. <i>BMJ Open</i> , 2016 , 6, e012073	3	45
86	Uncovering different masking factors on wrist skin temperature rhythm in free-living subjects. <i>PLoS ONE</i> , 2013 , 8, e61142	3.7	44
85	Human adipose tissue expresses intrinsic circadian rhythm in insulin sensitivity. <i>FASEB Journal</i> , 2016 , 30, 3117-23	0.9	43
84	The circadian rest-activity rhythm, a potential safety pharmacology endpoint of cancer chemotherapy. <i>International Journal of Cancer</i> , 2014 , 134, 2717-25	7.5	43
83	Both pineal and lateral eyes are needed to sustain daily circulating melatonin rhythms in sea bass. <i>Brain Research</i> , 2003 , 969, 175-82	3.7	41
82	Effects of resveratrol on changes induced by high-fat feeding on clock genes in rats. <i>British Journal of Nutrition</i> , 2013 , 110, 1421-8	3.6	39
81	Molecular cloning, tissue distribution, and daily rhythms of expression of <i>per1</i> gene in European sea bass (<i>Dicentrarchus labrax</i>). <i>Chronobiology International</i> , 2010 , 27, 19-33	3.6	36
80	Disruption of Circadian Rhythms and Delirium, Sleep Impairment and Sepsis in Critically ill Patients. Potential Therapeutic Implications for Increased Light-Dark Contrast and Melatonin Therapy in an ICU Environment. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3453-68	3.3	36
79	Ambulatory circadian monitoring (ACM) based on thermometry, motor activity and body position (TAP): a comparison with polysomnography. <i>Physiology and Behavior</i> , 2014 , 126, 30-8	3.5	35
78	Long-term social isolation in the adulthood results in CA1 shrinkage and cognitive impairment. <i>Neurobiology of Learning and Memory</i> , 2013 , 106, 31-9	3.1	34
77	Circadian system functionality, hippocampal oxidative stress, and spatial memory in the APPswe/PS1dE9 transgenic model of Alzheimer disease: effects of melatonin or ramelteon. <i>Chronobiology International</i> , 2012 , 29, 822-34	3.6	33
76	Glucocorticoids affect 24 h clock genes expression in human adipose tissue explant cultures. <i>PLoS ONE</i> , 2012 , 7, e50435	3.7	33
75	Teaching Chronobiology and Sleep Habits in School and University. <i>Mind, Brain, and Education</i> , 2008 , 2, 34-47	1.8	32
74	Day-night contrast as source of health for the human circadian system. <i>Chronobiology International</i> , 2014 , 31, 382-93	3.6	31
73	Relevance of internal time and circadian robustness for cancer patients. <i>BMC Cancer</i> , 2016 , 16, 285	4.8	30
72	Effect of neonatal androgenization on the circadian rhythm of feeding behavior in rats. <i>Physiology and Behavior</i> , 1993 , 53, 329-35	3.5	30

71	Fragmentation of daily rhythms associates with obesity and cardiorespiratory fitness in adolescents: The HELENA study. <i>Clinical Nutrition</i> , 2017 , 36, 1558-1566	5.9	27
70	Multidimensional Circadian Monitoring by Wearable Biosensors in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2018 , 9, 157	4.1	26
69	Melatonin binding sites in the brain of European sea bass (<i>Dicentrarchus labrax</i>). <i>Zoological Science</i> , 2004 , 21, 427-34	0.8	25
68	Circadian dysfunction in P23H rhodopsin transgenic rats: effects of exogenous melatonin. <i>Journal of Pineal Research</i> , 2011 , 50, 183-91	10.4	24
67	Menopause status is associated with circadian- and sleep-related alterations. <i>Menopause</i> , 2016 , 23, 682-90	2.5	24
66	Temperature cycles trigger nocturnalism in the diurnal homeotherm <i>Octodon degus</i> . <i>Chronobiology International</i> , 2010 , 27, 517-34	3.6	23
65	Circadian dysfunction in a rotenone-induced parkinsonian rodent model. <i>Chronobiology International</i> , 2012 , 29, 147-56	3.6	23
64	Two steady-entrainment phases and graded masking effects by light generate different circadian chronotypes in <i>Octodon degus</i> . <i>Chronobiology International</i> , 2009 , 26, 219-41	3.6	23
63	Pinealectomy does not affect the entrainment to light nor the generation of the circadian demand-feeding rhythms of rainbow trout. <i>Physiology and Behavior</i> , 2000 , 69, 455-61	3.5	23
62	Period gene expression in the brain of a dual-phasing rodent, the <i>Octodon degus</i> . <i>Journal of Biological Rhythms</i> , 2013 , 28, 249-61	3.2	22
61	Circadian Impairment of Distal Skin Temperature Rhythm in Patients With Sleep-Disordered Breathing: The Effect of CPAP. <i>Sleep</i> , 2017 , 40,	1.1	22
60	The characterization of biological rhythms in mild cognitive impairment. <i>BioMed Research International</i> , 2014 , 2014, 524971	3	21
59	Aging and time-of-day effects on anxiety in female <i>Octodon degus</i> . <i>Behavioural Brain Research</i> , 2009 , 200, 117-21	3.4	21
58	Repeated short-fasting modifies the macronutrient self-selection pattern in rats. <i>Physiology and Behavior</i> , 1998 , 65, 69-76	3.5	21
57	Chronobiology of the neuroimmunoendocrine system and aging. <i>Current Pharmaceutical Design</i> , 2014 , 20, 4642-55	3.3	20
56	Circadian system heritability as assessed by wrist temperature: a twin study. <i>Chronobiology International</i> , 2015 , 32, 71-80	3.6	19
55	Internal temporal order in the circadian system of a dual-phasing rodent, the <i>Octodon degus</i> . <i>Chronobiology International</i> , 2010 , 27, 1564-79	3.6	19
54	Heritability of the timing of food intake. <i>Clinical Nutrition</i> , 2019 , 38, 767-773	5.9	19

53	Chronobiological aspects of obesity and metabolic syndrome. <i>Endocrinología Y Nutrición (English Edition)</i> , 2012 , 59, 50-61		18
52	Dissociation of the circadian system of Octodon degus by T28 and T21 light-dark cycles. <i>Chronobiology International</i> , 2010 , 27, 1580-95	3.6	18
51	Pacemaker phase control versus masking by light: setting the circadian chronotype in dual Octodon degus. <i>Chronobiology International</i> , 2010 , 27, 1365-79	3.6	18
50	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. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 3901-20	6.3	17
49	Barnes maze performance of Octodon degus is gender dependent. <i>Behavioural Brain Research</i> , 2010 , 212, 159-67	3.4	16
48	Food-entrained feeding and locomotor circadian rhythms in rats under different lighting conditions. <i>Chronobiology International</i> , 1999 , 16, 281-91	3.6	16
47	Validation of a Device for the Ambulatory Monitoring of Sleep Patterns: A Pilot Study on Parkinson's Disease. <i>Frontiers in Neurology</i> , 2019 , 10, 356	4.1	15
46	Evening physical activity alters wrist temperature circadian rhythmicity. <i>Chronobiology International</i> , 2014 , 31, 276-82	3.6	15
45	Rest-activity circadian rhythms in aged <i>Nothobranchius korthausae</i> . The effects of melatonin. <i>Experimental Gerontology</i> , 2013 , 48, 507-16	4.5	15
44	Antioxidant dietary fiber isolated from spent coffee (<i>Coffea arabica</i> L.) grounds improves chronotype and circadian locomotor activity in young adults. <i>Food and Function</i> , 2019 , 10, 4546-4556	6.1	14
43	Light color importance for circadian entrainment in a diurnal (<i>Octodon degus</i>) and a nocturnal (<i>Rattus norvegicus</i>) rodent. <i>Scientific Reports</i> , 2017 , 7, 8846	4.9	14
42	Chronobiology and obesity: the orchestra out of tune. <i>Clinical Lipidology</i> , 2010 , 5, 181-188		14
41	Relationship between Human Pupillary Light Reflex and Circadian System Status. <i>PLoS ONE</i> , 2016 , 11, e0162476	3.7	14
40	Assessing Chronotypes by Ambulatory Circadian Monitoring. <i>Frontiers in Physiology</i> , 2019 , 10, 1396	4.6	14
39	Blue-Enriched White Light Enhances Physiological Arousal But Not Behavioral Performance during Simulated Driving at Early Night. <i>Frontiers in Psychology</i> , 2017 , 8, 997	3.4	13
38	Nocturnalism induced by scheduled feeding in diurnal <i>Octodon degus</i> . <i>Chronobiology International</i> , 2010 , 27, 233-50	3.6	13
37	Blue-Enriched Light Enhances Alertness but Impairs Accurate Performance in Evening Chronotypes Driving in the Morning. <i>Frontiers in Psychology</i> , 2018 , 9, 688	3.4	12
36	Influence of menopause on adipose tissue clock gene genotype and its relationship with metabolic syndrome in morbidly obese women. <i>Age</i> , 2012 , 34, 1369-80		12

35	Holter monitoring of central and peripheral temperature: possible uses and feasibility study in outpatient settings. <i>Journal of Clinical Monitoring and Computing</i> , 2009 , 23, 209-16	2	12
34	A contact eatometer for automated continuous recording of feeding behavior in rats. <i>Physiology and Behavior</i> , 1995 , 57, 129-34	3.5	12
33	Evening types have social jet lag and metabolic alterations in school-age children. <i>Scientific Reports</i> , 2020 , 10, 16747	4.9	12
32	Influence of gestational diabetes on circadian rhythms of children and their association with fetal adiposity. <i>Diabetes/Metabolism Research and Reviews</i> , 2013 , 29, 483-91	7.5	10
31	Effect of Single and Combined Monochromatic Light on the Human Pupillary Light Response. <i>Frontiers in Neurology</i> , 2018 , 9, 1019	4.1	10
30	Living Without Temporal Cues: A Case Study. <i>Frontiers in Physiology</i> , 2020 , 11, 11	4.6	9
29	Targeting neurons in the gastrointestinal tract to treat Parkinson's disease. <i>Clinical Parkinsonism & Related Disorders</i> , 2019 , 1, 2-7	0.9	9
28	Cimetidine and postprandial pancreatic exocrine secretion in dogs. <i>Agents and Actions</i> , 1985 , 17, 145-9		8
27	A contact eatometer suitable for feeding restriction schedules. <i>Physiology and Behavior</i> , 1996 , 59, 1179-83	3.5	7
26	Circadian health differs between boys and girls as assessed by non-invasive tools in school-aged children. <i>Clinical Nutrition</i> , 2019 , 38, 774-781	5.9	6
25	Determining Light Intensity, Timing and Type of Visible and Circadian Light From an Ambulatory Circadian Monitoring Device. <i>Frontiers in Physiology</i> , 2019 , 10, 822	4.6	5
24	Sleepiness in Spanish nursing staff--influence of chronotype and care unit in circadian rhythm impairment: research protocol. <i>Journal of Advanced Nursing</i> , 2014 , 70, 211-9	3.1	5
23	Influence of Circadian Typology and Time of Day on Temporal Preparation. <i>Timing and Time Perception</i> , 2013 , 1, 217-238	0.7	5
22	Circadian rhythms of food intake in gastroduodenally-ulcerated rats: effects of three anti-ulcer drugs. <i>Chronobiology International</i> , 1989 , 6, 321-8	3.6	5
21	Melatonin alleviates circadian system disruption induced by chronic shifts of the light-dark cycle in <i>Octodon degus</i> . <i>Journal of Pineal Research</i> , 2020 , 68, e12619	10.4	5
20	Application of Machine Learning Methods to Ambulatory Circadian Monitoring (ACM) for Discriminating Sleep and Circadian Disorders. <i>Frontiers in Neuroscience</i> , 2019 , 13, 1318	5.1	5
19	Circadian activity rhythms during the last days of <i>Nothobranchius rachovii</i> life: a descriptive model of circadian system breakdown. <i>Chronobiology International</i> , 2015 , 32, 395-404	3.6	4
18	Do elite athletes sleep well?. <i>Apunts Medicine De L'Esport</i> , 2018 , 53, 47-54	0.6	4

17	Chronobiology: Influences on Metabolic Syndrome and Cardiovascular Risk. <i>Current Cardiovascular Risk Reports</i> , 2010 , 4, 15-23	0.9	4
16	Electroencephalographic and skin temperature indices of vigilance and inhibitory control. <i>Psicologica</i> , 2018 , 39, 223-260	0.5	3
15	Methods for monitoring the functional status of the circadian system in dietary surveys studies: application criteria and interpretation of results. <i>Nutricion Hospitalaria</i> , 2015 , 31 Suppl 3, 279-89	1	2
14	Timing of chocolate intake affects hunger, substrate oxidation, and microbiota: A randomized controlled trial. <i>FASEB Journal</i> , 2021 , 35, e21649	0.9	2
13	Activity-rest circadian pattern and academic achievement, executive function, and intelligence in children with obesity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021 , 31, 653-664	4.6	2
12	Age-Induced Differential Changes in the Central and Colonic Human Circadian Oscillators. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
11	Octodon degus, a new model to study the agonist and plexus-induced response in the urinary bladder. <i>Journal of Physiology and Biochemistry</i> , 2017 , 73, 77-87	5	1
10	Food entrainment to 4-h T cycles in rats kept under constant lighting conditions. <i>Physiology and Behavior</i> , 1999 , 67, 307-14	3.5	1
9	Chronodisruption and Ambulatory Circadian Monitoring in Cancer Patients: Beyond the Body Clock.. <i>Current Oncology Reports</i> , 2022 , 24, 135	6.3	1
8	Electrochromic selective filtering of chronodisruptive visible wavelengths. <i>PLoS ONE</i> , 2020 , 15, e0241909	7	1
7	Ambulatory circadian monitoring in sleep disordered breathing patients and CPAP treatment. <i>Scientific Reports</i> , 2021 , 11, 14711	4.9	1
6	Correlated color temperature and light intensity: Complementary features in non-visual light field. <i>PLoS ONE</i> , 2021 , 16, e0254171	3.7	1
5	Widespread Doublecortin Expression in the Cerebral Cortex of the. <i>Frontiers in Neuroanatomy</i> , 2021 , 15, 656882	3.6	0
4	Detection of factors influencing circadian rhythms on Intensive Care inpatients and hospitalization: Protocol for an observational study. <i>Journal of Advanced Nursing</i> , 2021 , 77, 411-416	3.1	0
3	Macronutrient Self-Selection Pattern in Rats under Different Lighting Conditions. <i>Biological Rhythm Research</i> , 2000 , 31, 71-87	0.8	
2	Self-design of diets in European farmed fish operating selffeeders. <i>Fisheries Science</i> , 2002 , 68, 925-929	1.9	
1	Behavioral and Thermoregulatory Responses to Changes in Ambient Temperature and Wheel Running Availability in. <i>Frontiers in Integrative Neuroscience</i> , 2021 , 15, 684988	3.2	