

# Juan Antonio Madrid

## List of Publications by Year in descending order

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106  
papers

4,176  
citations

109137

35  
h-index

133063

59  
g-index

109  
all docs

109  
docs citations

109  
times ranked

5298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Melatonin, the circadian multioscillator system and health: the need for detailed analyses of peripheral melatonin signaling. <i>Journal of Pineal Research</i> , 2012, 52, 139-166.	3.4	376
2	Protecting the Melatonin Rhythm through Circadian Healthy Light Exposure. <i>International Journal of Molecular Sciences</i> , 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. <i>PLoS Computational Biology</i> , 2010, 6, e1000996.	1.5	146
4	Chronobiological aspects of nutrition, metabolic syndrome and obesity. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 967-978.	6.6	145
5	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, 256-266.	1.4	144
6	Acute Melatonin Administration in Humans Impairs Glucose Tolerance in Both the Morning and Evening. <i>Sleep</i> , 2014, 37, 1715-1719.	0.6	140
7	Chronobiology, genetics and metabolic syndrome. <i>Current Opinion in Lipidology</i> , 2009, 20, 127-134.	1.2	130
8	Exercise and melatonin in humans: reciprocal benefits. <i>Journal of Pineal Research</i> , 2012, 52, 1-11.	3.4	108
9	Circadian Rhythm of Clock Genes in Human Adipose Explants. <i>Obesity</i> , 2009, 17, 1481-1485.	1.5	106
10	Daily profile in two circadian markers –melatonin and cortisol– and associations with metabolic syndrome components. <i>Physiology and Behavior</i> , 2014, 123, 231-235.	1.0	103
11	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, 917-921.	1.3	94
12	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.	0.8	78
13	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, 1650-1657.	1.5	76
14	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.	1.1	75
15	Crosstalk Between Environmental Light and Internal Time in Humans. <i>Chronobiology International</i> , 2011, 28, 617-629.	0.9	70
16	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, 203-211.	1.0	70
17	Light and Temperature Cycles as Zeitgebers of Zebrafish ( <i>Danio rerio</i> ) Circadian Activity Rhythms. <i>Chronobiology International</i> , 2006, 23, 537-550.	0.9	68
18	Age-related brain pathology in <i>Octodon degu</i> : Blood vessel, white matter and Alzheimer-like pathology. <i>Neurobiology of Aging</i> , 2011, 32, 1651-1661.	1.5	58

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19	Uncovering Different Masking Factors on Wrist Skin Temperature Rhythm in Free-Living Subjects. PLoS ONE, 2013, 8, e61142.	1.1	58
20	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
21	The circadian rest-activity rhythm, a potential safety pharmacology endpoint of cancer chemotherapy. International Journal of Cancer, 2014, 134, 2717-2725.	2.3	56
22	An approximation to the temporal order in endogenous circadian rhythms of genes implicated in human adipose tissue metabolism. Journal of Cellular Physiology, 2011, 226, 2075-2080.	2.0	55
23	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. Current Pharmaceutical Design, 2015, 21, 3453-3468.	0.9	55
24	Human adipose tissue expresses intrinsic circadian rhythm in insulin sensitivity. FASEB Journal, 2016, 30, 3117-3123.	0.2	54
25	MOLECULAR CLONING, TISSUE DISTRIBUTION, AND DAILY RHYTHMS OF EXPRESSION OF <i>PER1</i> GENE IN EUROPEAN SEA BASS ( <i>DICENTRARCHUS LABRAX</i> ). Chronobiology International, 2010, 27, 19-33.	0.9	51
26	Day-night contrast as source of health for the human circadian system. Chronobiology International, 2014, 31, 382-393.	0.9	49
27	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
28	Effects of resveratrol on changes induced by high-fat feeding on clock genes in rats. British Journal of Nutrition, 2013, 110, 1421-1428.	1.2	45
29	Teaching Chronobiology and Sleep Habits in School and University. Mind, Brain, and Education, 2008, 2, 34-47.	0.9	44
30	Circadian System Functionality, Hippocampal Oxidative Stress, and Spatial Memory in the APP <sup>swe</sup> /PS1 <sup>dE9</sup> Transgenic Model of Alzheimer Disease: Effects of Melatonin or Ramelteon. Chronobiology International, 2012, 29, 822-834.	0.9	44
31	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
32	Glucocorticoids Affect 24 h Clock Genes Expression in Human Adipose Tissue Explant Cultures. PLoS ONE, 2012, 7, e50435.	1.1	44
33	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
34	Relevance of internal time and circadian robustness for cancer patients. BMC Cancer, 2016, 16, 285.	1.1	39
35	Multidimensional Circadian Monitoring by Wearable Biosensors in Parkinson's Disease. Frontiers in Neurology, 2018, 9, 157.	1.1	37
36	Fragmentation of daily rhythms associates with obesity and cardiorespiratory fitness in adolescents: The HELENA study. Clinical Nutrition, 2017, 36, 1558-1566.	2.3	35

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37	Effect of neonatal androgenization on the circadian rhythm of feeding behavior in rats. <i>Physiology and Behavior</i> , 1993, 53, 329-335.	1.0	32
38	Menopause status is associated with circadian- and sleep-related alterations. <i>Menopause</i> , 2016, 23, 682-690.	0.8	32
39	Assessing Chronotypes by Ambulatory Circadian Monitoring. <i>Frontiers in Physiology</i> , 2019, 10, 1396.	1.3	32
40	Evening types have social jet lag and metabolic alterations in school-age children. <i>Scientific Reports</i> , 2020, 10, 16747.	1.6	32
41	Circadian Impairment of Distal Skin Temperature Rhythm in Patients With Sleep-Disordered Breathing: The Effect of CPAP. <i>Sleep</i> , 2017, 40, .	0.6	32
42	Aging and time-of-day effects on anxiety in female <i>Octodon degus</i> . <i>Behavioural Brain Research</i> , 2009, 200, 117-121.	1.2	31
43	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.	1.1	31
44	Heritability of the timing of food intake. <i>Clinical Nutrition</i> , 2019, 38, 767-773.	2.3	31
45	Circadian dysfunction in P23H rhodopsin transgenic rats: effects of exogenous melatonin. <i>Journal of Pineal Research</i> , 2011, 50, 183-191.	3.4	30
46	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, 3901-3920.	1.8	30
47	Pinelectomy 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, 455-461.	1.0	29
48	TEMPERATURE CYCLES TRIGGER NOCTURNALISM IN THE DIURNAL HOMEOTHERM <i>OCTODON DEGUS</i> . <i>Chronobiology International</i> , 2010, 27, 517-534.	0.9	28
49	Circadian Dysfunction in a Rotenone-Induced Parkinsonian Rodent Model. <i>Chronobiology International</i> , 2012, 29, 147-156.	0.9	28
50	The Characterization of Biological Rhythms in Mild Cognitive Impairment. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	27
51	Melatonin Binding Sites in the Brain of European Sea Bass ( <i>Dicentrarchus labrax</i> ). <i>Zoological Science</i> , 2004, 21, 427-434.	0.3	26
52	Circadian system heritability as assessed by wrist temperature: A twin study. <i>Chronobiology International</i> , 2015, 32, 71-80.	0.9	25
53	Relationship between Human Pupillary Light Reflex and Circadian System Status. <i>PLoS ONE</i> , 2016, 11, e0162476.	1.1	25
54	Chronobiology of the Neuroimmunoendocrine System and Aging. <i>Current Pharmaceutical Design</i> , 2014, 20, 4642-4655.	0.9	25

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55	Repeated short-fasting modifies the macronutrient self-selection pattern in rats. <i>Physiology and Behavior</i> , 1998, 65, 69-76.	1.0	24
56	Two Steady-State Entrainment Phases and Graded Masking Effects by Light Generate Different Circadian Chronotypes in <i>Octodon degus</i> . <i>Chronobiology International</i> , 2009, 26, 219-241.	0.9	24
57	<i>Period</i> Gene Expression in the Brain of a Dual-Phasing Rodent, the <i>Octodon degus</i> . <i>Journal of Biological Rhythms</i> , 2013, 28, 249-261.	1.4	24
58	DISSOCIATION OF THE CIRCADIAN SYSTEM OF OCTODON DEGUS BY T28 AND T21 LIGHT-DARK CYCLES. <i>Chronobiology International</i> , 2010, 27, 1580-1595.	0.9	22
59	Chronobiological aspects of obesity and metabolic syndrome. <i>Endocrinología Y Nutrición (English)</i> Tj ETQq1 1 0.784314 rgBT / Over	0.5	22
60	Evening physical activity alters wrist temperature circadian rhythmicity. <i>Chronobiology International</i> , 2014, 31, 276-282.	0.9	22
61	Food-Entrained Feeding and Locomotor Circadian Rhythms in Rats Under Different Lighting Conditions. <i>Chronobiology International</i> , 1999, 16, 281-291.	0.9	21
62	Barnes maze performance of <i>Octodon degus</i> is gender dependent. <i>Behavioural Brain Research</i> , 2010, 212, 159-167.	1.2	21
63	Rest-activity circadian rhythms in aged <i>Nothobranchius korthausae</i> . The effects of melatonin. <i>Experimental Gerontology</i> , 2013, 48, 507-516.	1.2	21
64	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.	2.1	21
65	INTERNAL TEMPORAL ORDER IN THE CIRCADIAN SYSTEM OF A DUAL-PHASING RODENT, THE OCTODON DEGUS. <i>Chronobiology International</i> , 2010, 27, 1564-1579.	0.9	19
66	PACEMAKER PHASE CONTROL VERSUS MASKING BY LIGHT: SETTING THE CIRCADIAN CHRONOTYPE IN DUAL-OCTODON DEGUS. <i>Chronobiology International</i> , 2010, 27, 1365-1379.	0.9	19
67	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.	1.6	18
68	Blue-Enriched Light Enhances Alertness but Impairs Accurate Performance in Evening Chronotypes Driving in the Morning. <i>Frontiers in Psychology</i> , 2018, 9, 688.	1.1	18
69	Targeting neurons in the gastrointestinal tract to treat Parkinson's disease. <i>Clinical Parkinsonism &amp; Related Disorders</i> , 2019, 1, 2-7.	0.5	18
70	Living Without Temporal Cues: A Case Study. <i>Frontiers in Physiology</i> , 2020, 11, 11.	1.3	18
71	Chronobiology and obesity: the orchestra out of tune. <i>Clinical Lipidology</i> , 2010, 5, 181-188.	0.4	17
72	Influence of menopause on adipose tissue clock gene genotype and its relationship with metabolic syndrome in morbidly obese women. <i>Age</i> , 2012, 34, 1369-1380.	3.0	17

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73	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, 209-216.	0.7	15
74	Influence of gestational diabetes on circadian rhythms of children and their association with fetal adiposity. <i>Diabetes/Metabolism Research and Reviews</i> , 2013, 29, 483-491.	1.7	15
75	NOCTURNALISM INDUCED BY SCHEDULED FEEDING IN DIURNAL OCTODON DEGUS. <i>Chronobiology International</i> , 2010, 27, 233-250.	0.9	14
76	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.	1.1	14
77	Effect of Single and Combined Monochromatic Light on the Human Pupillary Light Response. <i>Frontiers in Neurology</i> , 2018, 9, 1019.	1.1	14
78	A contact eatometer for automated continuous recording of feeding behavior in rats. <i>Physiology and Behavior</i> , 1995, 57, 129-134.	1.0	12
79	Application of Machine Learning Methods to Ambulatory Circadian Monitoring (ACM) for Discriminating Sleep and Circadian Disorders. <i>Frontiers in Neuroscience</i> , 2019, 13, 1318.	1.4	12
80	Cimetidine and postprandial pancreatic exocrine secretion in dogs. <i>Agents and Actions</i> , 1985, 17, 145-149.	0.7	10
81	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.	1.3	9
82	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.	2.3	9
83	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, 211-219.	1.5	8
84	Timing of chocolate intake affects hunger, substrate oxidation, and microbiota: A randomized controlled trial. <i>FASEB Journal</i> , 2021, 35, e21649.	0.2	8
85	A contact eatometer suitable for feeding restriction schedules. <i>Physiology and Behavior</i> , 1996, 59, 1179-1183.	1.0	7
86	Circadian activity rhythms during the last days of <i>Nothobranchius rachovii</i> 's life: A descriptive model of circadian system breakdown. <i>Chronobiology International</i> , 2015, 32, 395-404.	0.9	7
87	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.	3.4	7
88	Chronodisruption and Ambulatory Circadian Monitoring in Cancer Patients: Beyond the Body Clock. <i>Current Oncology Reports</i> , 2022, 24, 135-149.	1.8	7
89	Chronobiology: Influences on Metabolic Syndrome and Cardiovascular Risk. <i>Current Cardiovascular Risk Reports</i> , 2010, 4, 15-23.	0.8	6
90	Influence of Circadian Typology and Time of Day on Temporal Preparation. <i>Timing and Time Perception</i> , 2013, 1, 217-238.	0.4	6

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91	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.	1.3	6
92	Circadian Rhythms of Food Intake in Gastroduodenally-Ulcerated Rats: Effects of Three Anti-Ulcer Drugs. <i>Chronobiology International</i> , 1989, 6, 321-328.	0.9	5
93	Do elite athletes sleep well?. <i>Apunts Medicine De L'Esport</i> , 2018, 53, 47-54.	0.5	5
94	Electroencephalographic and skin temperature indices of vigilance and inhibitory control. <i>Psicologica</i> , 2018, 39, 223-260.	0.5	5
95	Age-Induced Differential Changes in the Central and Colonic Human Circadian Oscillators. <i>International Journal of Molecular Sciences</i> , 2020, 21, 674.	1.8	3
96	Widespread Doublecortin Expression in the Cerebral Cortex of the Octodon degus. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 656882.	0.9	3
97	Correlated color temperature and light intensity: Complementary features in non-visual light field. <i>PLoS ONE</i> , 2021, 16, e0254171.	1.1	3
98	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.	0.2	3
99	Food Entrainment to 4-h T Cycles in Rats Kept Under Constant Lighting Conditions. <i>Physiology and Behavior</i> , 1999, 67, 307-314.	1.0	2
100	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.	1.5	2
101	Ambulatory circadian monitoring in sleep disordered breathing patients and CPAP treatment. <i>Scientific Reports</i> , 2021, 11, 14711.	1.6	2
102	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.	1.3	1
103	Behavioral and Thermoregulatory Responses to Changes in Ambient Temperature and Wheel Running Availability in Octodon degus. <i>Frontiers in Integrative Neuroscience</i> , 2021, 15, 684988.	1.0	1
104	Electrochromic selective filtering of chronodisruptive visible wavelengths. <i>PLoS ONE</i> , 2020, 15, e0241900.	1.1	1
105	Macronutrient Self-Selection Pattern in Rats under Different Lighting Conditions. <i>Biological Rhythm Research</i> , 2000, 31, 71-87.	0.4	0
106	Self-design of diets in European farmed fish operating selffeeders. <i>Fisheries Science</i> , 2002, 68, 925-929.	0.7	0