

Antonio Muñoz-Hoyos

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,508
citations

257101

24
h-index

205818

48
g-index

81
all docs

81
docs citations

81
times ranked

2476
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacological actions of melatonin in oxygen radical pathophysiology. <i>Life Sciences</i> , 1997, 60, 2255-2271.	2.0	428
2	Melatonin prevents changes in microsomal membrane fluidity during induced lipid peroxidation. <i>FEBS Letters</i> , 1997, 408, 297-300.	1.3	273
3	Utility of high doses of melatonin as adjunctive anticonvulsant therapy in a child with severe myoclonic epilepsy: Two years' experience. <i>Journal of Pineal Research</i> , 1997, 23, 97-105.	3.4	170
4	Melatonin treatment normalizes plasma pro-inflammatory cytokines and nitrosative/oxidative stress in patients suffering from Duchenne muscular dystrophy. <i>Journal of Pineal Research</i> , 2010, 48, 282-289.	3.4	130
5	Melatonin's Role as an Anticonvulsant and Neuronal Protector: Experimental and Clinical Evidence. <i>Journal of Child Neurology</i> , 1998, 13, 501-509.	0.7	101
6	Melatonin and vitamin E limit nitric oxide-induced lipid peroxidation in rat brain homogenates. <i>Neuroscience Letters</i> , 1997, 230, 147-150.	1.0	92
7	Melatonin Increases Following Convulsive Seizures may be Related to its Anticonvulsant Properties at Physiological Concentrations. <i>Neuropediatrics</i> , 2007, 38, 122-125.	0.3	74
8	Seizure Recurrence After a First Unprovoked Seizure in Childhood: A Prospective Study. <i>Epilepsia</i> , 2000, 41, 1005-1013.	2.6	56
9	Current Evidence on the Role of the Gut Microbiome in ADHD Pathophysiology and Therapeutic Implications. <i>Nutrients</i> , 2021, 13, 249.	1.7	56
10	Normalization of the sleep-wake pattern and melatonin and 6-sulphatoxy-melatonin levels after a therapeutic trial with melatonin in children with severe epilepsy. <i>Journal of Pineal Research</i> , 2011, 50, 192-196.	3.4	45
11	Day-night variations in melatonin secretion by the pineal gland during febrile and epileptic convulsions in children. <i>Psychiatry Research</i> , 1994, 52, 273-283.	1.7	40
12	Melatonin Levels during the First Week of Life and Their Relation with the Antioxidant Response in the Perinatal Period. <i>Neonatology</i> , 2007, 92, 209-216.	0.9	40
13	Melatonin protects against lipid peroxidation and membrane rigidity in erythrocytes from patients undergoing cardiopulmonary bypass surgery. <i>Journal of Pineal Research</i> , 2003, 35, 104-108.	3.4	39
14	Melatonin concentration in the umbilical artery and vein in human preterm and term neonates and neonates with acute fetal distress. <i>Journal of Pineal Research</i> , 1992, 13, 184-191.	3.4	37
15	Melatonin treatment counteracts the hyperoxidative status in erythrocytes of patients suffering from Duchenne muscular dystrophy. <i>Clinical Biochemistry</i> , 2011, 44, 853-858.	0.8	36
16	Methylphenidate effects on blood serotonin and melatonin levels may help to synchronise biological rhythms in children with ADHD. <i>Journal of Psychiatric Research</i> , 2013, 47, 377-383.	1.5	33
17	Effects of febrile and epileptic convulsions on daily variations in plasma melatonin concentration in children. <i>Journal of Pineal Research</i> , 1994, 16, 1-9.	3.4	32
18	Absence of plasma melatonin circadian rhythm during the first 72 hours of life in human infants. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1993, 77, 699-703.	1.8	32

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19	A Mediterranean Dietary Style Improves Calcium Utilization in Healthy Male Adolescents. <i>Journal of the American College of Nutrition</i> , 2008, 27, 454-462.	1.1	31
20	Serum Transferrin Receptor in Children: Usefulness for Determinating the Nature of Anemia in Infection. <i>Journal of Pediatric Hematology/Oncology</i> , 2006, 28, 809-815.	0.3	29
21	The antioxidant effect of a diet rich in Maillard reaction products is attenuated after consumption by healthy male adolescents. <i>In vitro</i> and <i>in vivo</i> comparative study. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 1245-1252.	1.7	29
22	Oxidative Stress is Evident in Erythrocytes as well as Plasma in Patients Undergoing Heart Surgery Involving Cardiopulmonary Bypass. <i>Free Radical Research</i> , 2003, 37, 11-17.	1.5	28
23	Is maternal smoking more determinant than paternal smoking on the respiratory symptoms of young children?. <i>Respiratory Medicine</i> , 2005, 99, 1138-1144.	1.3	26
24	Influence of the antioxidant content of saliva on dental caries in an at-risk community. <i>British Dental Journal</i> , 2008, 205, E5-E5.	0.3	25
25	Psychosocial dwarfism: Psychopathological aspects and putative neuroendocrine markers. <i>Psychiatry Research</i> , 2011, 188, 96-101.	1.7	25
26	BDNF concentrations and daily fluctuations differ among ADHD children and respond differently to methylphenidate with no relationship with depressive symptomatology. <i>Psychopharmacology</i> , 2017, 234, 267-279.	1.5	25
27	Comparison between tryptophan methoxyindole and kynurenine metabolic pathways in normal and preterm neonates and in neonates with acute fetal distress. <i>European Journal of Endocrinology</i> , 1998, 139, 89-95.	1.9	24
28	5-Methoxytryptophol and melatonin in children: Differences due to age and sex. <i>Journal of Pineal Research</i> , 1996, 21, 73-79.	3.4	23
29	Relationships between methoxyindole and kynurenine pathway metabolites in plasma and urine in children suffering from febrile and epileptic seizures. <i>Clinical Endocrinology</i> , 1997, 47, 667-677.	1.2	23
30	Effect of clonidine on plasma ACTH, cortisol and melatonin in children. <i>Journal of Pineal Research</i> , 2000, 29, 48-53.	3.4	23
31	Neuroendocrine and circadian aspects (melatonin and β -endorphin) of atopic dermatitis in the child. <i>Pediatric Allergy and Immunology</i> , 2007, 18, 679-686.	1.1	23
32	Melatonin Treatment Reduces Oxidative Damage and Normalizes Plasma Pro-Inflammatory Cytokines in Patients Suffering from Charcot-Marie-Tooth Neuropathy: A Pilot Study in Three Children. <i>Molecules</i> , 2017, 22, 1728.	1.7	23
33	Melatonin and Elimination of Kynurenines in Children with Down's Syndrome. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2010, 23, 277-82.	0.4	22
34	Oxidative stress in patients undergoing cardiac surgery: comparative study of revascularization and valve replacement procedures. <i>Journal of Surgical Research</i> , 2003, 111, 248-254.	0.8	20
35	Hypothermia Plus Melatonin in Asphyctic Newborns: A Randomized-Controlled Pilot Study. <i>Pediatric Critical Care Medicine</i> , 2020, 21, 647-655.	0.2	18
36	The relationship between bone age, chronological age and dental age in children with isolated growth hormone deficiency. <i>International Journal of Paediatric Dentistry</i> , 2007, 9, 201-206.	1.0	17

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37	The beneficial effect of Mediterranean dietary patterns on dietary iron utilization in male adolescents aged 11-14 years. <i>International Journal of Food Sciences and Nutrition</i> , 2009, 60, 355-368.	1.3	17
38	Attention-deficit/hyperactivity disorder children exhibit an impaired accommodative response. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 1023-1030.	1.0	16
39	Relationship of blood rheology to lipoprotein profile during normal pregnancies and those with intrauterine growth retardation.. <i>Journal of Clinical Pathology</i> , 1995, 48, 571-574.	1.0	15
40	Comparative study of the influence of melatonin and vitamin E on the surface characteristics of <i>Escherichia coli</i> . <i>Letters in Applied Microbiology</i> , 2001, 32, 303-306.	1.0	15
41	Recurrent ureteric fibroepithelial polyp in a child. <i>European Journal of Pediatrics</i> , 2004, 163, 124-125.	1.3	15
42	Overweight and obesity as risk factors for the asymptomatic carrier state of <i>Neisseria meningitidis</i> among a paediatric population. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2010, 29, 333-334.	1.3	15
43	Fluidity and oxidative stress in erythrocytes from very low birth weight infants during their first 7 days of life. <i>Free Radical Research</i> , 2007, 41, 1035-1040.	1.5	14
44	Effect of propranolol plus exercise on melatonin and growth hormone levels in children with growth delay. <i>Journal of Pineal Research</i> , 2001, 30, 75-81.	3.4	13
45	Pineal response after pyridoxine test in children. <i>Journal of Neural Transmission</i> , 1996, 103, 833-842.	1.4	12
46	Total antioxidant capacity of plasma in asymptomatic carrier state of <i>Neisseria meningitidis</i> . <i>Epidemiology and Infection</i> , 2007, 135, 857-860.	1.0	12
47	Methylphenidate Ameliorates Depressive Comorbidity in ADHD Children without any Modification on Differences in Serum Melatonin Concentration between ADHD Subtypes. <i>International Journal of Molecular Sciences</i> , 2014, 15, 17115-17129.	1.8	12
48	Analysis of Different Melatonin Secretion Patterns in Children With Sleep Disorders: Melatonin Secretion Patterns in Children. <i>Journal of Child Neurology</i> , 2017, 32, 1000-1008.	0.7	12
49	Longitudinal Study of the Simultaneous Secretion of Melatonin and Leptin during Normal Puberty. <i>Hormone Research in Paediatrics</i> , 2007, 68, 11-19.	0.8	11
50	Differential responses of two related neurosteroids to methylphenidate based on ADHD subtype and the presence of depressive symptomatology. <i>Psychopharmacology</i> , 2014, 231, 3635-3645.	1.5	11
51	Phenolic acid content and antiadherence activity in the urine of patients treated with cranberry syrup (<i>Vaccinium macrocarpon</i>) vs. trimethoprim for recurrent urinary tract infection. <i>Journal of Functional Foods</i> , 2015, 18, 608-616.	1.6	10
52	Methylphenidate ameliorates the homeostatic balance between levels of kynurenines in ADHD children. <i>Psychiatry Research</i> , 2021, 303, 114060.	1.7	10
53	Lipoproteins in pregnant women before and during delivery: influence on neonatal haemorheology.. <i>Journal of Clinical Pathology</i> , 1996, 49, 120-123.	1.0	8
54	Cranberry (<i>Vaccinium Macrocarpon</i>) Changes the surface hydrophobicity and biofilm formation of <i>E. coli</i> . <i>Microbiology Insights</i> , 2011, 4, MBI.S8526.	0.9	8

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55	Treatments and compositions for attention deficit hyperactivity disorder: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 799-814.	2.4	8
56	Changes in Erythrocytic Deformability and Plasma Viscosity in Neonatal Ictericia. <i>American Journal of Perinatology</i> , 1999, 16, 0421-428.	0.6	7
57	Melatonin and \hat{I}^2 -Endorphin Changes in Children Sensitized to Olive and Grass Pollen after Treatment with Specific Immunotherapy. <i>International Archives of Allergy and Immunology</i> , 2001, 126, 91-96.	0.9	7
58	Children with Attention-deficit/Hyperactivity Disorder Show an Altered Eye Movement Pattern during Reading. <i>Optometry and Vision Science</i> , 2020, 97, 265-274.	0.6	7
59	Indole Tryptophan Metabolism and Cytokine S100B in Children with Attention-Deficit/Hyperactivity Disorder: Daily Fluctuations, Responses to Methylphenidate, and Interrelationship with Depressive Symptomatology. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2020, 30, 177-188.	0.7	7
60	Characterization of Nocturnal Ultradian Rhythms of Melatonin in Children with Growth Hormone-Dependent and Independent Growth Delay. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 1181-1187.	1.8	7
61	Protective Effect of Melatonin Administration against SARS-CoV-2 Infection: A Systematic Review. <i>Current Issues in Molecular Biology</i> , 2022, 44, 31-45.	1.0	7
62	The influence of maternal erythrocyte deformability on fetal growth, gestational age and birthweight. <i>Journal of Perinatal Medicine</i> , 1999, 27, 166-72.	0.6	6
63	Institutional childcare and the affective deficiency syndrome: consequences on growth, nutrition and development. <i>Early Human Development</i> , 2001, 65, S145-S152.	0.8	6
64	Evaluation of plasma levels of melatonin after midazolam or sodium thiopental anesthesia in children. <i>Journal of Pineal Research</i> , 2002, 32, 253-256.	3.4	6
65	Development and evaluation of a multiplex test for the detection of atypical bacterial DNA in community-acquired pneumonia during childhood. <i>Clinical Microbiology and Infection</i> , 2009, 15, 473-480.	2.8	6
66	Accommodative response in children with attention deficit hyperactivity disorder (ADHD): the influence of accommodation stimulus and medication. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2020, 258, 1299-1307.	1.0	6
67	Clinical Considerations Derived From the Administration of Melatonin to Children With Sleep Disorders. <i>Pediatric Neurology</i> , 2018, 78, 61-69.	1.0	5
68	Visual Perceptual Skills in Attention-deficit/Hyperactivity Disorder Children: The Mediating Role of Comorbidities. <i>Optometry and Vision Science</i> , 2019, 96, 655-663.	0.6	5
69	Accommodation and pupil dynamics as potential objective predictors of behavioural performance in children with attention-deficit/hyperactivity disorder. <i>Vision Research</i> , 2020, 175, 32-40.	0.7	5
70	Melatonin induces fat browning by transdifferentiation of white adipocytes and <i>de novo</i> differentiation of mesenchymal stem cells. <i>Food and Function</i> , 2022, 13, 3760-3775.	2.1	5
71	The influence of different concentrations of melatonin on the cell surface hydrophobic characteristics of <i>Neisseria meningitidis</i> . <i>Letters in Applied Microbiology</i> , 2000, 31, 294-298.	1.0	4
72	Early monitoring of fatty acid profile in children with attention deficit and/or hyperactivity disorder under treatment with omega-3 polyunsaturated fatty acids. <i>Minerva Pediatrica</i> , 2019, 71, 313-325.	2.6	4

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73	Capturing attention improves accommodation: An experimental study in children with ADHD using multiple object tracking. <i>Vision Research</i> , 2021, 186, 52-58.	0.7	3
74	Possible Protective Role of Melatonin in Pediatric Infectious Diseases and Neurodevelopmental Pathologies. <i>Journal of Child Science</i> , 2020, 10, e104-e109.	0.1	3
75	Urachal Cyst: Unusual Presentation in an Adolescent After Intense Abdominal Exercise. <i>Clinical Journal of Sport Medicine</i> , 2007, 17, 160-162.	0.9	2
76	Different basal concentration and different response of BDNF to prolonged release methylphenidate between ADHD subtypes. <i>HÅrre Utbildning</i> , 2012, 3, .	1.4	1
77	Plasma viscosity in umbilical cord: Its relationships with the physiological weight loss in newborns. <i>Clinical Hemorheology and Microcirculation</i> , 1996, 16, 229-234.	0.9	0