

Antonio Muñoz-Hoyos

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,508
citations

257450

24
h-index

206112

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. Life Sciences, 1997, 60, 2255-2271. | 4.3 | 428 |
| 2 | Melatonin prevents changes in microsomal membrane fluidity during induced lipid peroxidation. FEBS Letters, 1997, 408, 297-300. | 2.8 | 273 |
| 3 | Utility of high doses of melatonin as adjunctive anticonvulsant therapy in a child with severe myoclonic epilepsy: Two years' experience. Journal of Pineal Research, 1997, 23, 97-105. | 7.4 | 170 |
| 4 | Melatonin treatment normalizes plasma pro-inflammatory cytokines and nitrosative/oxidative stress in patients suffering from Duchenne muscular dystrophy. Journal of Pineal Research, 2010, 48, 282-289. | 7.4 | 130 |
| 5 | Melatonin's Role as an Anticonvulsant and Neuronal Protector: Experimental and Clinical Evidence. Journal of Child Neurology, 1998, 13, 501-509. | 1.4 | 101 |
| 6 | Melatonin and vitamin E limit nitric oxide-induced lipid peroxidation in rat brain homogenates. Neuroscience Letters, 1997, 230, 147-150. | 2.1 | 92 |
| 7 | Melatonin Increases Following Convulsive Seizures may be Related to its Anticonvulsant Properties at Physiological Concentrations. Neuropediatrics, 2007, 38, 122-125. | 0.6 | 74 |
| 8 | Seizure Recurrence After a First Unprovoked Seizure in Childhood: A Prospective Study. Epilepsia, 2000, 41, 1005-1013. | 5.1 | 56 |
| 9 | Current Evidence on the Role of the Gut Microbiome in ADHD Pathophysiology and Therapeutic Implications. Nutrients, 2021, 13, 249. | 4.1 | 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. Journal of Pineal Research, 2011, 50, 192-196. | 7.4 | 45 |
| 11 | Day-night variations in melatonin secretion by the pineal gland during febrile and epileptic convulsions in children. Psychiatry Research, 1994, 52, 273-283. | 3.3 | 40 |
| 12 | Melatonin Levels during the First Week of Life and Their Relation with the Antioxidant Response in the Perinatal Period. Neonatology, 2007, 92, 209-216. | 2.0 | 40 |
| 13 | Melatonin protects against lipid peroxidation and membrane rigidity in erythrocytes from patients undergoing cardiopulmonary bypass surgery. Journal of Pineal Research, 2003, 35, 104-108. | 7.4 | 39 |
| 14 | Melatonin concentration in the umbilical artery and vein in human preterm and term neonates and neonates with acute fetal distress. Journal of Pineal Research, 1992, 13, 184-191. | 7.4 | 37 |
| 15 | Melatonin treatment counteracts the hyperoxidative status in erythrocytes of patients suffering from Duchenne muscular dystrophy. Clinical Biochemistry, 2011, 44, 853-858. | 1.9 | 36 |
| 16 | Methylphenidate effects on blood serotonin and melatonin levels may help to synchronise biological rhythms in children with ADHD. Journal of Psychiatric Research, 2013, 47, 377-383. | 3.1 | 33 |
| 17 | Effects of febrile and epileptic convulsions on daily variations in plasma melatonin concentration in children. Journal of Pineal Research, 1994, 16, 1-9. | 7.4 | 32 |
| 18 | Absence of plasma melatonin circadian rhythm during the first 72 hours of life in human infants. Journal of Clinical Endocrinology and Metabolism, 1993, 77, 699-703. | 3.6 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A Mediterranean Dietary Style Improves Calcium Utilization in Healthy Male Adolescents. Journal of the American College of Nutrition, 2008, 27, 454-462. | 1.8 | 31 |
| 20 | Serum Transferrin Receptor in Children: Usefulness for Determinating the Nature of Anemia in Infection. Journal of Pediatric Hematology/Oncology, 2006, 28, 809-815. | 0.6 | 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. Journal of the Science of Food and Agriculture, 2008, 88, 1245-1252. | 3.5 | 29 |
| 22 | Oxidative Stress is Evident in Erythrocytes as well as Plasma in Patients Undergoing Heart Surgery Involving Cardiopulmonary Bypass. Free Radical Research, 2003, 37, 11-17. | 3.3 | 28 |
| 23 | Is maternal smoking more determinant than paternal smoking on the respiratory symptoms of young children?. Respiratory Medicine, 2005, 99, 1138-1144. | 2.9 | 26 |
| 24 | Influence of the antioxidant content of saliva on dental caries in an at-risk community. British Dental Journal, 2008, 205, E5-E5. | 0.6 | 25 |
| 25 | Psychosocial dwarfism: Psychopathological aspects and putative neuroendocrine markers. Psychiatry Research, 2011, 188, 96-101. | 3.3 | 25 |
| 26 | BDNF concentrations and daily fluctuations differ among ADHD children and respond differently to methylphenidate with no relationship with depressive symptomatology. Psychopharmacology, 2017, 234, 267-279. | 3.1 | 25 |
| 27 | Comparison between tryptophan methoxyindole and kynurenine metabolic pathways in normal and preterm neonates and in neonates with acute fetal distress. European Journal of Endocrinology, 1998, 139, 89-95. | 3.7 | 24 |
| 28 | 5-Methoxytryptophol and melatonin in children: Differences due to age and sex. Journal of Pineal Research, 1996, 21, 73-79. | 7.4 | 23 |
| 29 | Relationships between methoxyindole and kynurenine pathway metabolites in plasma and urine in children suffering from febrile and epileptic seizures. Clinical Endocrinology, 1997, 47, 667-677. | 2.4 | 23 |
| 30 | Effect of clonidine on plasma ACTH, cortisol and melatonin in children. Journal of Pineal Research, 2000, 29, 48-53. | 7.4 | 23 |
| 31 | Neuroendocrine and circadian aspects (melatonin and β -endorphin) of atopic dermatitis in the child. Pediatric Allergy and Immunology, 2007, 18, 679-686. | 2.6 | 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. Molecules, 2017, 22, 1728. | 3.8 | 23 |
| 33 | Melatonin and Elimination of Kynurenines in Children with Down's Syndrome. Journal of Pediatric Endocrinology and Metabolism, 2010, 23, 277-82. | 0.9 | 22 |
| 34 | Oxidative stress in patients undergoing cardiac surgery: comparative study of revascularization and valve replacement procedures. Journal of Surgical Research, 2003, 111, 248-254. | 1.6 | 20 |
| 35 | Hypothermia Plus Melatonin in Asphyctic Newborns: A Randomized-Controlled Pilot Study. Pediatric Critical Care Medicine, 2020, 21, 647-655. | 0.5 | 18 |
| 36 | The relationship between bone age, chronological age and dental age in children with isolated growth hormone deficiency. International Journal of Paediatric Dentistry, 2007, 9, 201-206. | 1.8 | 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. | 2.8 | 17 |
| 38 | Attention-deficit/hyperactivity disorder children exhibit an impaired accommodative response. <i>Graefes's Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 1023-1030. | 1.9 | 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. | 2.0 | 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. | 2.2 | 15 |
| 41 | Recurrent ureteric fibroepithelial polyp in a child. <i>European Journal of Pediatrics</i> , 2004, 163, 124-125. | 2.7 | 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. | 2.9 | 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. | 3.3 | 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. | 7.4 | 13 |
| 45 | Pineal response after pyridoxine test in children. <i>Journal of Neural Transmission</i> , 1996, 103, 833-842. | 2.8 | 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. | 2.1 | 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. | 4.1 | 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. | 1.4 | 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. | 1.8 | 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. | 3.1 | 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. | 3.4 | 10 |
| 52 | Methylphenidate ameliorates the homeostatic balance between levels of kynurenines in ADHD children. <i>Psychiatry Research</i> , 2021, 303, 114060. | 3.3 | 10 |
| 53 | Lipoproteins in pregnant women before and during delivery: influence on neonatal haemorheology.. <i>Journal of Clinical Pathology</i> , 1996, 49, 120-123. | 2.0 | 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. | 2.0 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Treatments and compositions for attention deficit hyperactivity disorder: a patent review. Expert Opinion on Therapeutic Patents, 2016, 26, 799-814. | 5.0 | 8 |
| 56 | Changes in Erythrocytic Deformability and Plasma Viscosity in Neonatal Ictericia. American Journal of Perinatology, 1999, 16, 0421-428. | 1.4 | 7 |
| 57 | Melatonin and β -Endorphin Changes in Children Sensitized to Olive and Grass Pollen after Treatment with Specific Immunotherapy. International Archives of Allergy and Immunology, 2001, 126, 91-96. | 2.1 | 7 |
| 58 | Children with Attention-deficit/Hyperactivity Disorder Show an Altered Eye Movement Pattern during Reading. Optometry and Vision Science, 2020, 97, 265-274. | 1.2 | 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. Journal of Child and Adolescent Psychopharmacology, 2020, 30, 177-188. | 1.3 | 7 |
| 60 | Characterization of Nocturnal Ultradian Rhythms of Melatonin in Children with Growth Hormone-Dependent and Independent Growth Delay. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 1181-1187. | 3.6 | 7 |
| 61 | Protective Effect of Melatonin Administration against SARS-CoV-2 Infection: A Systematic Review. Current Issues in Molecular Biology, 2022, 44, 31-45. | 2.4 | 7 |
| 62 | The influence of maternal erythrocyte deformability on fetal growth, gestational age and birthweight. Journal of Perinatal Medicine, 1999, 27, 166-72. | 1.4 | 6 |
| 63 | Institutional childcare and the affective deficiency syndrome: consequences on growth, nutrition and development. Early Human Development, 2001, 65, S145-S152. | 1.8 | 6 |
| 64 | Evaluation of plasma levels of melatonin after midazolam or sodium thiopental anesthesia in children. Journal of Pineal Research, 2002, 32, 253-256. | 7.4 | 6 |
| 65 | Development and evaluation of a multiplex test for the detection of atypical bacterial DNA in community-acquired pneumonia during childhood. Clinical Microbiology and Infection, 2009, 15, 473-480. | 6.0 | 6 |
| 66 | Accommodative response in children with attention deficit hyperactivity disorder (ADHD): the influence of accommodation stimulus and medication. Graefes Archive for Clinical and Experimental Ophthalmology, 2020, 258, 1299-1307. | 1.9 | 6 |
| 67 | Clinical Considerations Derived From the Administration of Melatonin to Children With Sleep Disorders. Pediatric Neurology, 2018, 78, 61-69. | 2.1 | 5 |
| 68 | Visual Perceptual Skills in Attention-deficit/Hyperactivity Disorder Children: The Mediating Role of Comorbidities. Optometry and Vision Science, 2019, 96, 655-663. | 1.2 | 5 |
| 69 | Accommodation and pupil dynamics as potential objective predictors of behavioural performance in children with attention-deficit/hyperactivity disorder. Vision Research, 2020, 175, 32-40. | 1.4 | 5 |
| 70 | Melatonin induces fat browning by transdifferentiation of white adipocytes and <i>de novo</i> differentiation of mesenchymal stem cells. Food and Function, 2022, 13, 3760-3775. | 4.6 | 5 |
| 71 | The influence of different concentrations of melatonin on the cell surface hydrophobic characteristics of Neisseria meningitidis. Letters in Applied Microbiology, 2000, 31, 294-298. | 2.2 | 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. Minerva Pediatrica, 2019, 71, 313-325. | 2.7 | 4 |

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|----|--|-----|-----------|
| 73 | Capturing attention improves accommodation: An experimental study in children with ADHD using multiple object tracking. Vision Research, 2021, 186, 52-58. | 1.4 | 3 |
| 74 | Possible Protective Role of Melatonin in Pediatric Infectious Diseases and Neurodevelopmental Pathologies. Journal of Child Science, 2020, 10, e104-e109. | 0.2 | 3 |
| 75 | Urachal Cyst: Unusual Presentation in an Adolescent After Intense Abdominal Exercise. Clinical Journal of Sport Medicine, 2007, 17, 160-162. | 1.8 | 2 |
| 76 | Different basal concentration and different response of BDNF to prolonged release methylphenidate between ADHD subtypes. Högskole Utbildning, 2012, 3, . | 3.0 | 1 |
| 77 | Plasma viscosity in umbilical cord: Its relationships with the physiological weight loss in newborns. Clinical Hemorheology and Microcirculation, 1996, 16, 229-234. | 1.7 | 0 |