

Russel J Reiter

List of Publications by Year in descending order

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661
papers

80,412
citations

235

143
h-index

721

250
g-index

707
all docs

707
docs citations

707
times ranked

46783
citing authors

#	ARTICLE	IF	CITATIONS
1	Safety and efficacy of melatonin supplementation as an add-on treatment for infantile epileptic spasms syndrome: A randomized, placebo-controlled, double-blind trial. <i>Journal of Pineal Research</i> , 2024, 76, .	7.7	1
2	Mitochondrial Melatonin: Beneficial Effects in Protecting against Heart Failure. <i>Life</i> , 2024, 14, 88.	2.5	4
3	Melatonin improves antioxidant defense mechanism of basil under drought stress. <i>Horticulture Environment and Biotechnology</i> , 2024, 65, 83-94.	6.2	2
4	Melatonin/Sericin Wound Healing Patches: Implications for Melanoma Therapy. <i>International Journal of Molecular Sciences</i> , 2024, 25, 4858.	4.2	0
5	Melatonin in Human Breast Milk and Its Potential Role in Circadian Entrainment: A Nod towards Chrononutrition?. <i>Nutrients</i> , 2024, 16, 1422.	4.2	0
6	Melatonin facilitates oocyte growth in goats and mice through increased nutrient reserves and enhanced mitochondrial function. <i>FASEB Journal</i> , 2024, 38, .	0.5	0
7	Resveratrol and Cervical Cancer: A New Therapeutic Option. <i>Mini-Reviews in Medicinal Chemistry</i> , 2023, 23, 159-169.	2.6	5
8	The Multiple Functions of Melatonin: Applications in the Military Setting. <i>Biomedicines</i> , 2023, 11, 5.	3.3	2
9	Melatonin: Both a Messenger of Darkness and a Participant in the Cellular Actions of Non-Visible Solar Radiation of Near Infrared Light. <i>Biology</i> , 2023, 12, 89.	2.9	26
10	Melatonin as Modulator for Sulfur and Nitrogen Mustard-Induced Inflammation, Oxidative Stress and DNA Damage: <i>Molecular Therapeutics</i> . <i>Antioxidants</i> , 2023, 12, 397.	5.2	8
11	Histone deacetylase 9 regulates disease resistance through fine-tuning histone deacetylation of melatonin biosynthetic genes and melatonin accumulation in cassava. <i>Journal of Pineal Research</i> , 2023, 74, .	7.7	8
12	Aging-Related Ovarian Failure and Infertility: Melatonin to the Rescue. <i>Antioxidants</i> , 2023, 12, 695.	5.2	13
13	Light, Water, and Melatonin: The Synergistic Regulation of Phase Separation in Dementia. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5835.	4.2	7
14	Effects of Melatonin Alone or Associated with Acyclovir on the Suppressive Treatment of Recurrent Genital Herpes: A Prospective, Randomized, and Double-Blind Study. <i>Biomedicines</i> , 2023, 11, 1088.	3.3	1
15	Melatonin and TGF- β -Mediated Release of Extracellular Vesicles. <i>Metabolites</i> , 2023, 13, 575.	3.0	2
16	Redefining Autoimmune Disorders TM Pathoetiology: Implications for Mood and Psychotic Disorders TM Association with Neurodegenerative and Classical Autoimmune Disorders. <i>Cells</i> , 2023, 12, 1237.	4.3	8
17	Melatonin: A Potential Regulator of DNA Methylation. <i>Antioxidants</i> , 2023, 12, 1155.	5.2	10
18	Melatonin modulates tumor metabolism and mitigates metastasis. <i>Expert Review of Endocrinology and Metabolism</i> , 2023, 18, 321-336.	2.5	5

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19	Ultraviolet Radiation-Induced Mitochondrial Disturbances Are Attenuated by Metabolites of Melatonin in Human Epidermal Keratinocytes. <i>Metabolites</i> , 2023, 13, 861.	3.0	6
20	Melatonin and Its Metabolites Can Serve as Agonists on the Aryl Hydrocarbon Receptor and Peroxisome Proliferator-Activated Receptor Gamma. <i>International Journal of Molecular Sciences</i> , 2023, 24, 15496.	4.2	19
21	Melanogenesis Is Directly Affected by Metabolites of Melatonin in Human Melanoma Cells. <i>International Journal of Molecular Sciences</i> , 2023, 24, 14947.	4.2	1
22	Coronavirus Disease 2019 (COVID-19) and Its Neuroinvasive Capacity: Is It Time for Melatonin?. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 489-500.	3.3	32
23	Melatonin Administration from 2000 to 2020 to Human Newborns with Hypoxic-Ischemic Encephalopathy. <i>American Journal of Perinatology</i> , 2022, 39, 824-829.	1.5	10
24	Differential expression and interaction of melatonin and thyroid hormone receptors with estrogen receptor β improve ovarian functions in letrozole-induced rat polycystic ovary syndrome. <i>Life Sciences</i> , 2022, 295, 120086.	4.4	5
25	Protective actions of vitamin D, anandamide and melatonin during vascular inflammation: Epigenetic mechanisms involved. <i>Life Sciences</i> , 2022, 288, 120191.	4.4	7
26	Melatonin-based therapeutics for atherosclerotic lesions and beyond: Focusing on macrophage mitophagy. <i>Pharmacological Research</i> , 2022, 176, 106072.	7.2	22
27	Timing is everything: Circadian rhythms and their role in the control of sleep. <i>Frontiers in Neuroendocrinology</i> , 2022, 66, 100978.	5.2	15
28	Protective Role of Melatonin and Its Metabolites in Skin Aging. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1238.	4.2	61
29	Melatonin: Regulation of Prion Protein Phase Separation in Cancer Multidrug Resistance. <i>Molecules</i> , 2022, 27, 705.	3.9	15
30	Melatonin inhibits Gram-negative pathogens by targeting citrate synthase. <i>Science China Life Sciences</i> , 2022, 65, 1430-1444.	5.0	13
31	Chronodisruption: Origin, Roots, and Developments of an 18-Year-Old Concept. Comment on Desmet et al. Time-Restricted Feeding in Mice Prevents the Disruption of the Peripheral Circadian Clocks and Its Metabolic Impact during Chronic Jetlag. <i>Nutrients</i> 2021, 13, 3846. <i>Nutrients</i> , 2022, 14, 315.	4.2	3
32	The proteomic landscape of ovarian cancer cells in response to melatonin. <i>Life Sciences</i> , 2022, 294, 120352.	4.4	5
33	Mechanisms and clinical evidence to support melatonin's use in severe COVID-19 patients to lower mortality. <i>Life Sciences</i> , 2022, 294, 120368.	4.4	16
34	Bioactive peptides of plant origin: distribution, functionality, and evidence of benefits in food and health. <i>Food and Function</i> , 2022, 13, 3133-3158.	4.6	19
35	Melatonin: highlighting its use as a potential treatment for SARS-CoV-2 infection. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 143.	5.5	30
36	Premarin Reduces Neurodegeneration and Promotes Improvement of Function in an Animal Model of Spinal Cord Injury. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2384.	4.2	7

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37	Melatonin use for SARS-CoV-2 infection: Time to diversify the treatment portfolio. <i>Journal of Medical Virology</i> , 2022, 94, 2928-2930.	5.0	5
38	Alkylating Agent-Induced Toxicity and Melatonin-Based Therapies. <i>Frontiers in Pharmacology</i> , 2022, 13, 873197.	3.6	5
39	Targeting AMPK signaling in ischemic/reperfusion injury: From molecular mechanism to pharmacological interventions. <i>Cellular Signalling</i> , 2022, 94, 110323.	3.7	20
40	Assessment of Melatonin-Cultured Collagen/Chitosan Scaffolds Cross-Linked by a Glyoxal Solution as Biomaterials for Wound Healing. <i>Antioxidants</i> , 2022, 11, 570.	5.2	10
41	Early Treatment of Acute Myocardial Infarction with Melatonin: Effects on MMP-9 and Adverse Cardiac Events. <i>Journal of Clinical Medicine</i> , 2022, 11, 1909.	2.5	8
42	Interactions of melatonin, reactive oxygen species, and nitric oxide during fruit ripening: an update and prospective view. <i>Journal of Experimental Botany</i> , 2022, 73, 5947-5960.	4.9	39
43	Phytomelatonin as a central molecule in plant disease resistance. <i>Journal of Experimental Botany</i> , 2022, 73, 5874-5885.	4.9	39
44	Melatonin in ventricular and subarachnoid cerebrospinal fluid: Its function in the neural glymphatic network and biological significance for neurocognitive health. <i>Biochemical and Biophysical Research Communications</i> , 2022, 605, 70-81.	2.2	22
45	Fine-tuning of pathogenesis-related protein 1 (PR1) activity by the melatonin biosynthetic enzyme ASMT2 in defense response to cassava bacterial blight. <i>Journal of Pineal Research</i> , 2022, 72, e12784.	7.7	20
46	Molecular mechanisms and evolutionary history of phytomelatonin in flowering. <i>Journal of Experimental Botany</i> , 2022, 73, 5840-5850.	4.9	9
47	Tunneling nanotubes and mesenchymal stem cells: New insights into the role of melatonin in neuronal recovery. <i>Journal of Pineal Research</i> , 2022, 73, .	7.7	16
48	PP2C1 fine-tunes melatonin biosynthesis and phytomelatonin receptor PMTR1 binding to melatonin in cassava. <i>Journal of Pineal Research</i> , 2022, 73, .	7.7	19
49	Gut Microbiota Dysbiosis Induced by Decreasing Endogenous Melatonin Mediates the Pathogenesis of Alzheimer's Disease and Obesity. <i>Frontiers in Immunology</i> , 2022, 13, .	4.9	39
50	Dysregulated light/dark cycle impairs sleep and delays the recovery of patients in intensive care units: A call for action for COVID-19 treatment. <i>Chronobiology International</i> , 2022, 39, 903-906.	2.0	1
51	Melatonin: A mitochondrial resident with a diverse skill set. <i>Life Sciences</i> , 2022, 301, 120612.	4.4	35
52	Melatonin and andrographolide synergize to inhibit the colospheroid phenotype by targeting Wnt/beta-catenin signaling. <i>Journal of Pineal Research</i> , 2022, 73, .	7.7	14
53	New insights into the role of melatonin in photosynthesis. <i>Journal of Experimental Botany</i> , 2022, 73, 5918-5927.	4.9	31
54	Journal of Pineal Research guidelines for authors: Melatonin studies using plants. <i>Journal of Pineal Research</i> , 2022, 73, .	7.7	0

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55	Melatonin Reverses the Warburg-Type Metabolism and Reduces Mitochondrial Membrane Potential of Ovarian Cancer Cells Independent of MT1 Receptor Activation. <i>Molecules</i> , 2022, 27, 4350.	3.9	26
56	Melatonin: Regulation of Viral Phase Separation and Epitranscriptomics in Post-Acute Sequelae of COVID-19. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8122.	4.2	9
57	Melatonin Regulates the Daily Levels of Plasma Amino Acids, Acylcarnitines, Biogenic Amines, Sphingomyelins, and Hexoses in a Xenograft Model of Triple Negative Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9105.	4.2	6
58	Melatonin promotes the proliferation of primordial germ cell-like cells derived from porcine skin-derived stem cells: A mechanistic analysis. <i>Journal of Pineal Research</i> , 2022, 73, .	7.7	6
59	Melatonin Attenuates Ischemic-like Cell Injury by Promoting Autophagosome Maturation via the Sirt1/FoxO1/Rab7 Axis in Hippocampal HT22 Cells and in Organotypic Cultures. <i>Cells</i> , 2022, 11, 3701.	4.3	5
60	Melatonin as a Potential Approach to Anxiety Treatment. <i>International Journal of Molecular Sciences</i> , 2022, 23, 16187.	4.2	21
61	Melatonin and morphine: potential beneficial effects of co-use. <i>Fundamental and Clinical Pharmacology</i> , 2021, 35, 25-39.	2.1	32
62	Switching diseased cells from cytosolic aerobic glycolysis to mitochondrial oxidative phosphorylation: A metabolic rhythm regulated by melatonin?. <i>Journal of Pineal Research</i> , 2021, 70, e12677.	7.7	27
63	Regulation of cancer cell glucose metabolism is determinant for cancer cell fate after melatonin administration. <i>Journal of Cellular Physiology</i> , 2021, 236, 27-40.	4.2	25
64	Maternal pineal melatonin in gestation and lactation physiology, and in fetal development and programming. <i>General and Comparative Endocrinology</i> , 2021, 300, 113633.	1.8	27
65	Phytomelatonin: An Emerging Regulator of Plant Biotic Stress Resistance. <i>Trends in Plant Science</i> , 2021, 26, 70-82.	9.1	120
66	Central and peripheral actions of melatonin on reproduction in seasonal and continuous breeding mammals. <i>General and Comparative Endocrinology</i> , 2021, 300, 113620.	1.8	20
67	First evidence of the protective role of melatonin in counteracting cadmium toxicity in the rat ovary via the mTOR pathway. <i>Environmental Pollution</i> , 2021, 270, 116056.	7.7	30
68	Lighting the way: advances in transcriptional regulation and integrative crosstalk of melatonin biosynthetic enzymes in cassava. <i>Journal of Experimental Botany</i> , 2021, 72, 161-166.	4.9	13
69	The dual interplay of RAV5 in activating nitrate reductases and repressing catalase activity to improve disease resistance in cassava. <i>Plant Biotechnology Journal</i> , 2021, 19, 785-800.	8.5	28
70	Role of Melatonin on Virus-Induced Neuropathogenesis—A Concomitant Therapeutic Strategy to Understand SARS-CoV-2 Infection. <i>Antioxidants</i> , 2021, 10, 47.	5.2	25
71	Melatonin: A potential therapeutic agent against COVID-19. <i>Melatonin Research</i> , 2021, 4, 30-69.	1.1	9
72	Melatonin: A Potential Agent in Delaying Leaf Senescence. <i>Critical Reviews in Plant Sciences</i> , 2021, 40, 1-22.	5.8	42

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73	Sirtuins and the circadian clock interplay in cardioprotection: focus on sirtuin 1. Cellular and Molecular Life Sciences, 2021, 78, 2503-2515.	5.5	33
74	Anti-Warburg Effect of Melatonin: A Proposed Mechanism to Explain its Inhibition of Multiple Diseases. International Journal of Molecular Sciences, 2021, 22, 764.	4.2	40
75	Melatonin as an Antitumor Agent against Liver Cancer: An Updated Systematic Review. Antioxidants, 2021, 10, 103.	5.2	29
76	Melatonin Synthesis in and Uptake By Mitochondria: Implications for Diseased Cells With Dysfunctional Mitochondria. Future Medicinal Chemistry, 2021, 13, 335-339.	2.4	27
77	Therapeutic targets of cancer drugs: Modulation by melatonin. Life Sciences, 2021, 267, 118934.	4.4	27
78	Mitochondrial function is controlled by melatonin and its metabolites in vitro in human melanoma cells. Journal of Pineal Research, 2021, 70, e12728.	7.7	20
79	Potential Effects of Melatonin and Micronutrients on Mitochondrial Dysfunction during a Cytokine Storm Typical of Oxidative/Inflammatory Diseases. Diseases (Basel, Switzerland), 2021, 9, 30.	2.6	20
80	Melatonergic index as a prognostic biomarker of reproductive organ cancers: correlations with metabolic parameters as well as clock genes PER1 and TIMELESS. Melatonin Research, 2021, 4, 299-315.	1.1	2
81	Melatonin inhibits seed germination by crosstalk with abscisic acid, gibberellin, and auxin in Arabidopsis. Journal of Pineal Research, 2021, 70, e12736.	7.7	81
82	Differential and Overlapping Effects of Melatonin and Its Metabolites on Keratinocyte Function: Bioinformatics and Metabolic Analyses. Antioxidants, 2021, 10, 618.	5.2	7
83	“Distant socializing,” not “social distancing” as a public health strategy for COVID-19. Pathogens and Global Health, 2021, 115, 357-364.	2.8	14
84	Evaluation of Polymeric Matrix Loaded with Melatonin for Wound Dressing. International Journal of Molecular Sciences, 2021, 22, 5658.	4.2	12
85	A hypothetical role for autophagy during the day/night rhythmâ€regulated melatonin synthesis in the rat pineal gland. Journal of Pineal Research, 2021, 71, e12742.	7.7	7
86	Melatonin and Cardioprotection in Humans: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Frontiers in Cardiovascular Medicine, 2021, 8, 635083.	2.5	16
87	Exosomes and Melatonin: Where Their Destinies Intersect. Frontiers in Immunology, 2021, 12, 692022.	4.9	27
88	Melatonin-Loaded Nanocarriers: New Horizons for Therapeutic Applications. Molecules, 2021, 26, 3562.	3.9	25
89	Altered Expression of DAAM1 and PREP Induced by Cadmium Toxicity Is Counteracted by Melatonin in the Rat Testis. Genes, 2021, 12, 1016.	2.4	27
90	Melatonin and other indoles show antiviral activities against swine coronaviruses in vitro at pharmacological concentrations. Journal of Pineal Research, 2021, 71, e12754.	7.7	35

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91	An Examination of the Putative Role of Melatonin in Exosome Biogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 686551.	3.8	27
92	The Mechanism of Oral Melatonin Ameliorates Intestinal and Adipose Lipid Dysmetabolism Through Reducing Escherichia Coli-Derived Lipopolysaccharide. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 1643-1667.	4.0	14
93	Detection of Serotonin, Melatonin, and Their Metabolites in Honey. <i>ACS Food Science & Technology</i> , 2021, 1, 1228-1235.	2.7	12
94	Melatonin inhibits lung cancer development by reversing the Warburg effect via stimulating the SIRT3/PDH axis. <i>Journal of Pineal Research</i> , 2021, 71, e12755.	7.7	50
95	SARS-CoV-2 and other coronaviruses negatively influence mitochondrial quality control: beneficial effects of melatonin. , 2021, 224, 107825.		45
96	Part-time cancers and role of melatonin in determining their metabolic phenotype. <i>Life Sciences</i> , 2021, 278, 119597.	4.4	16
97	Melatonin and Carbohydrate Metabolism in Plant Cells. <i>Plants</i> , 2021, 10, 1917.	3.6	43
98	Melatonin enhances radiofrequency-induced NK antitumor immunity, causing cancer metabolism reprogramming and inhibition of multiple pulmonary tumor development. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 330.	17.5	33
99	Metal ion homeostasis with emphasis on zinc and copper: Potential crucial link to explain the non-classical antioxidative properties of vitamin D and melatonin. <i>Life Sciences</i> , 2021, 281, 119770.	4.4	18
100	Melatonin: Regulation of Biomolecular Condensates in Neurodegenerative Disorders. <i>Antioxidants</i> , 2021, 10, 1483.	5.2	24
101	Melatonin synthesis genes <i>N-acetylserotonin methyltransferases</i> evolved into caffeic acid <i>O-methyltransferases</i> and both assisted in plant terrestrialization. <i>Journal of Pineal Research</i> , 2021, 71, e12737.	7.7	29
102	Targeting autophagy in ischemic stroke: From molecular mechanisms to clinical therapeutics. , 2021, 225, 107848.		125
103	Pan-cancer analyses reveal genomics and clinical characteristics of the melatonergic regulators in cancer. <i>Journal of Pineal Research</i> , 2021, 71, e12758.	7.7	27
104	Plant-derived melatonin from food: a gift of nature. <i>Food and Function</i> , 2021, 12, 2829-2849.	4.6	34
105	Melatonin can be, more effective than N-acetylcysteine, protecting acute lung injury induced by intestinal ischemia-reperfusion in rat model. <i>Clinics</i> , 2021, 76, e2513.	1.6	0
106	Melatonin as a Therapeutic Agent for the Inhibition of Hypoxia-Induced Tumor Progression: A Description of Possible Mechanisms Involved. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10874.	4.2	15
107	Evidence of melatonin ameliorative effects on the blood-testis barrier and sperm quality alterations induced by cadmium in the rat testis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112878.	6.2	54
108	Potentiating the Benefits of Melatonin through Chemical Functionalization: Possible Impact on Multifactorial Neurodegenerative Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11584.	4.2	6

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109	Melatonin and Pathological Cell Interactions: Mitochondrial Glucose Processing in Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12494.	4.2	32
110	Neural glymphatic system: Clinical implications and potential importance of melatonin. <i>Melatonin Research</i> , 2021, 4, 551-565.	1.1	4
111	Melatonin, tunneling nanotubes and anastasis: Cheating cell death. <i>Melatonin Research</i> , 2021, 4, 566-580.	1.1	2
112	The Effects of Melatonin Supplementation on Parameters of Mental Health, Glycemic Control, Markers of Cardiometabolic Risk, and Oxidative Stress in Diabetic Hemodialysis Patients: A Randomized, Double-Blind, Placebo-Controlled Trial. , 2020, 30, 242-250.		39
113	Identification of a novel melatonin-binding nuclear receptor: Vitamin D receptor. <i>Journal of Pineal Research</i> , 2020, 68, e12618.	7.7	35
114	Melatonin mediates mucosal immune cells, microbial metabolism, and rhythm crosstalk: A therapeutic target to reduce intestinal inflammation. <i>Medicinal Research Reviews</i> , 2020, 40, 606-632.	11.6	107
115	Melatonin and Parkinson Disease: Current Status and Future Perspectives for Molecular Mechanisms. <i>Cellular and Molecular Neurobiology</i> , 2020, 40, 15-23.	3.3	46
116	Role of melatonin in controlling angiogenesis under physiological and pathological conditions. <i>Angiogenesis</i> , 2020, 23, 91-104.	7.2	117
117	Melatonin Promotes Uterine and Placental Health: Potential Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 300.	4.2	54
118	Melatonin promotes metabolism of bisphenol A by enhancing glutathione-dependent detoxification in <i>Solanum lycopersicum</i> L. <i>Journal of Hazardous Materials</i> , 2020, 388, 121727.	12.6	34
119	Characterization of serotonin and <i>N</i> -acetylserotonin systems in the human epidermis and skin cells. <i>Journal of Pineal Research</i> , 2020, 68, e12626.	7.7	43
120	Melatonin: A Potential Therapeutic Option for Breast Cancer. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 859-871.	7.0	38
121	Elderly as a High-risk Group during COVID-19 Pandemic: Effect of Circadian Misalignment, Sleep Dysregulation and Melatonin Administration. <i>Sleep and Vigilance</i> , 2020, 4, 81-87.	0.8	52
122	Melatonina, coronavirus, enfermedad cardiovascular y emergencia geriátrica: ¡usemos todo lo que tenemos!. <i>Revista Espanola De Cardiologia</i> , 2020, 73, 1081-1082.	1.4	1
123	Melatonin Induces Melanogenesis in Human SK-MEL-1 Melanoma Cells Involving Glycogen Synthase Kinase-3 and Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4970.	4.2	20
124	New Proposal Involving Nanoformulated Melatonin Targeted to The Mitochondria as A Potential COVID-19 Treatment. <i>Nanomedicine</i> , 2020, 15, 2819-2821.	3.5	20
125	ALDH2 contributes to melatonin-induced protection against APP/PS1 mutation-prompted cardiac anomalies through cGAS-STING-TBK1-mediated regulation of mitophagy. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 119.	17.5	66
126	Melatonin as an inducer of arecoline and their coordinated roles in anti-oxidative activity and immune responses. <i>Food and Function</i> , 2020, 11, 8788-8799.	4.6	9

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127	A meta-analysis of microRNA networks regulated by melatonin in cancer: Portrait of potential candidates for breast cancer treatment. <i>Journal of Pineal Research</i> , 2020, 69, e12693.	7.7	35
128	Clinical Trials for Use of Melatonin to Fight against COVID-19 Are Urgently Needed. <i>Nutrients</i> , 2020, 12, 2561.	4.2	45
129	Melatonin as a potential inhibitor of kidney cancer: A survey of the molecular processes. <i>IUBMB Life</i> , 2020, 72, 2355-2365.	3.6	13
130	Melatonin as a putative protection against myocardial injury in COVID-19 infection. <i>Expert Review of Clinical Pharmacology</i> , 2020, 13, 921-924.	3.2	21
131	Melatonin overcomes MCR-mediated colistin resistance in Gram-negative pathogens. <i>Theranostics</i> , 2020, 10, 10697-10711.	9.9	68
132	Melatonin Improves Mitochondrial Dynamics and Function in the Kidney of Zucker Diabetic Fatty Rats. <i>Journal of Clinical Medicine</i> , 2020, 9, 2916.	2.5	30
133	Melatonin Ameliorates Inflammation and Oxidative Stress by Suppressing the p38MAPK Signaling Pathway in LPS-Induced Sheep Orchitis. <i>Antioxidants</i> , 2020, 9, 1277.	5.2	29
134	Editorial: Update on the Endocrinology of Myocardial Aging/Heart Failure. <i>Frontiers in Endocrinology</i> , 2020, 11, 580948.	3.5	0
135	Melatonin Inhibits COVID-19-induced Cytokine Storm by Reversing Aerobic Glycolysis in Immune Cells: A Mechanistic Analysis. <i>Medicine in Drug Discovery</i> , 2020, 6, 100044.	4.4	64
136	Melatonin synthesis enzymes interact with ascorbate peroxidase to protect against oxidative stress in cassava. <i>Journal of Experimental Botany</i> , 2020, 71, 5645-5655.	4.9	34
137	Therapeutic Algorithm for Use of Melatonin in Patients With COVID-19. <i>Frontiers in Medicine</i> , 2020, 7, 226.	2.7	84
138	Lungs as target of COVID-19 infection: Protective common molecular mechanisms of vitamin D and melatonin as a new potential synergistic treatment. <i>Life Sciences</i> , 2020, 254, 117808.	4.4	111
139	Understanding the Oncostatic Actions Displayed By Melatonin in Colorectal Cancer Therapy. <i>Future Medicinal Chemistry</i> , 2020, 12, 1201-1204.	2.4	6
140	Utilizing Melatonin to Alleviate Side Effects of Chemotherapy: A Potentially Good Partner for Treating Cancer with Ageing. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	4.1	35
141	Is melatonin deficiency a unifying pathomechanism of high risk patients with COVID-19?. <i>Life Sciences</i> , 2020, 256, 117902.	4.4	12
142	An evolutionary view of melatonin synthesis and metabolism related to its biological functions in plants. <i>Journal of Experimental Botany</i> , 2020, 71, 4677-4689.	4.9	138
143	Use of Melatonin in Oxidative Stress Related Neonatal Diseases. <i>Antioxidants</i> , 2020, 9, 477.	5.2	39
144	Acute lung injury: The therapeutic role of Rho kinase inhibitors. <i>Pharmacological Research</i> , 2020, 155, 104736.	7.2	95

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145	COVID-19: Melatonin as a potential adjuvant treatment. <i>Life Sciences</i> , 2020, 250, 117583.	4.4	502
146	The dual roles of melatonin biosynthesis enzymes in the coordination of melatonin biosynthesis and autophagy in cassava. <i>Journal of Pineal Research</i> , 2020, 69, e12652.	7.7	29
147	Melatonin, coronavirus, cardiovascular disease, and the geriatric emergency: let's use everything we have!. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2020, 73, 1081-1082.	0.7	0
148	Melatonin in Mitochondria: Mitigating Clear and Present Dangers. <i>Physiology</i> , 2020, 35, 86-95.	3.3	80
149	Mitochondrial dysfunction in age-related macular degeneration: melatonin as a potential treatment. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 359-378.	3.5	56
150	Daily rhythms of phytemelatonin signaling modulate diurnal stomatal closure via regulating reactive oxygen species dynamics in <i>Arabidopsis</i> . <i>Journal of Pineal Research</i> , 2020, 68, e12640.	7.7	91
151	New insights into antimetastatic signaling pathways of melatonin in skeletomuscular sarcoma of childhood and adolescence. <i>Cancer and Metastasis Reviews</i> , 2020, 39, 303-320.	6.3	23
152	Melatonin's efficacy in stroke patients; a matter of dose? A systematic review. <i>Toxicology and Applied Pharmacology</i> , 2020, 392, 114933.	2.9	16
153	Immune-pineal axis protects rat lungs exposed to polluted air. <i>Journal of Pineal Research</i> , 2020, 68, e12636.	7.7	27
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