

Phytomelatonin: Recent advances and future prospects

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Abiotic Stresses: General Defenses of Land Plants and Chances for Engineering Multistress Tolerance. <i>Frontiers in Plant Science</i> , 2018, 9, 1771.	1.7	369
2	Nurr1 promotes lung cancer apoptosis via enhancing mitochondrial stress and p53-Drp1 pathway. <i>Open Life Sciences</i> , 2019, 14, 262-274.	0.6	2
3	Inhibitory effect of melatonin on Mst1 ameliorates myocarditis through attenuating ER stress and mitochondrial dysfunction. <i>Journal of Molecular Histology</i> , 2019, 50, 405-415.	1.0	18
4	Physiological and Metabolomics Analyses Reveal the Roles of Fulvic Acid in Enhancing the Production of Astaxanthin and Lipids in <i>Haematococcus pluvialis</i> under Abiotic Stress Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12599-12609.	2.4	40
5	Melatonin: Role in Increasing Plant Tolerance in Abiotic Stress Conditions. , 0, , .		9
6	Melatonin Inhibits Cadmium Translocation and Enhances Plant Tolerance by Regulating Sulfur Uptake and Assimilation in <i>Solanum lycopersicum</i> L.. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10563-10576.	2.4	159
7	Pretreatment of bone mesenchymal stem cells with miR181-c facilitates craniofacial defect reconstruction via activating AMPK-Mfn1 signaling pathways. <i>Journal of Receptor and Signal Transduction Research</i> , 2019, 39, 199-207.	1.3	5
8	PTEN overexpression promotes glioblastoma death through triggering mitochondrial division and inactivating the Akt pathway. <i>Journal of Receptor and Signal Transduction Research</i> , 2019, 39, 215-225.	1.3	11
9	Melatonin as a Chemical Substance or as Phytomelatonin Rich-Extracts for Use as Plant Protector and/or Biostimulant in Accordance with EC Legislation. <i>Agronomy</i> , 2019, 9, 570.	1.3	45
10	Hypocotyl Elongation Inhibition of Melatonin Is Involved in Repressing Brassinosteroid Biosynthesis in Arabidopsis. <i>Frontiers in Plant Science</i> , 2019, 10, 1082.	1.7	22
11	Melatonin facilitates lateral root development by coordinating PAO-derived hydrogen peroxide and Rboh-derived superoxide radical. <i>Free Radical Biology and Medicine</i> , 2019, 143, 534-544.	1.3	44
12	Gene network analysis of senescence-associated genes in annual plants and comparative assessment of aging in perennials and animals. <i>Translational Medicine of Aging</i> , 2019, 3, 6-13.	0.6	6
13	Mst1 overexpression combined with Yap knockdown augments thyroid carcinoma apoptosis via promoting MIEF1-related mitochondrial fission and activating the JNK pathway. <i>Cancer Cell International</i> , 2019, 19, 143.	1.8	10
14	Melatonin Mediated Regulation of Drought Stress: Physiological and Molecular Aspects. <i>Plants</i> , 2019, 8, 190.	1.6	138
15	Phytomelatonin Regulates Keratinocytes Homeostasis Counteracting Aging Process. <i>Cosmetics</i> , 2019, 6, 27.	1.5	6
16	Irisin ameliorates septic cardiomyopathy via inhibiting DRP1-related mitochondrial fission and normalizing the JNK-LATS2 signaling pathway. <i>Cell Stress and Chaperones</i> , 2019, 24, 595-608.	1.2	40
17	Melatonin increases the performance of <i>Malus hupehensis</i> after UV-B exposure. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 630-641.	2.8	55
18	Melatonin delays leaf senescence of Chinese flowering cabbage by suppressing ABFs-mediated abscisic acid biosynthesis and chlorophyll degradation. <i>Journal of Pineal Research</i> , 2019, 67, e12570.	3.4	128

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19	Anti-tumor effect of LATS2 on liver cancer death: Role of DRP1-mediated mitochondrial division and the Wnt/ β 2-catenin pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019, 114, 108825.	2.5	20
21	Melatonin Inhibits Ethylene Synthesis via Nitric Oxide Regulation To Delay Postharvest Senescence in Pears. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2279-2288.	2.4	128
22	Melatonin: A Small Molecule but Important for Salt Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2019, 20, 709.	1.8	140
23	Renal tubular cell death and inflammation response are regulated by the MAPK-ERK-CREB signaling pathway under hypoxia-reoxygenation injury. <i>Journal of Receptor and Signal Transduction Research</i> , 2019, 39, 383-391.	1.3	25
24	Protective mechanisms of melatonin against selenium toxicity in <i>Brassica napus</i> : insights into physiological traits, thiol biosynthesis and antioxidant machinery. <i>BMC Plant Biology</i> , 2019, 19, 507.	1.6	79
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33	PTEN inhibition attenuates endothelial cell apoptosis in coronary heart disease via modulating the AMPK-CREB-Mfn2-mitophagy signaling pathway. <i>Journal of Cellular Physiology</i> , 2020, 235, 4878-4889.	2.0	43
34	Is Phytemelatonin a New Plant Hormone?. <i>Agronomy</i> , 2020, 10, 95.	1.3	102
35	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.	6.5	31
36	Exogenous melatonin improves tea quality under moderate high temperatures by increasing epigallocatechin-3-gallate and theanine biosynthesis in <i>Camellia sinensis</i> L.. <i>Journal of Plant Physiology</i> , 2020, 253, 153273.	1.6	33
37	Melatonin rich foods in our diet: food for thought or wishful thinking?. <i>Food and Function</i> , 2020, 11, 9359-9369.	2.1	5

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38	Genome-Wide Identification and Expression Profile of the SNAT Gene Family in Tobacco (<i>Nicotiana glauca</i>). <i>Journal of Experimental Botany</i> , 2020, 71, 5645-5655.	1.1	10
39	Melatonin synthesis enzymes interact with ascorbate peroxidase to protect against oxidative stress in cassava. <i>Journal of Experimental Botany</i> , 2020, 71, 5645-5655.	2.4	27
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43	Role of Melatonin in Arbuscular Mycorrhizal Fungi-Induced Resistance to Fusarium Wilt in Cucumber. <i>Phytopathology</i> , 2020, 110, 999-1009.	1.1	63
44	SISNAT Interacts with HSP40, a Molecular Chaperone, to Regulate Melatonin Biosynthesis and Promote Thermotolerance in Tomato. <i>Plant and Cell Physiology</i> , 2020, 61, 909-921.	1.5	62
45	Melatonin alleviates iron stress by improving iron homeostasis, antioxidant defense and secondary metabolism in cucumber. <i>Scientia Horticulturae</i> , 2020, 265, 109205.	1.7	148
46	Melatonin regulates the functional components of photosynthesis, antioxidant system, gene expression, and metabolic pathways to induce drought resistance in grafted <i>Carya cathayensis</i> plants. <i>Science of the Total Environment</i> , 2020, 713, 136675.	3.9	223
47	Melatonin confers cadmium tolerance by modulating critical heavy metal chelators and transporters in radish plants. <i>Journal of Pineal Research</i> , 2020, 69, e12659.	3.4	89
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108	Mitigation of salinity impact in spearmint plants through the application of engineered chitosan-melatonin nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2023, 224, 893-907.	3.6	17
109	Mechanistic insights on melatonin-mediated plant growth regulation and hormonal cross-talk process in solanaceous vegetables. <i>Scientia Horticulturae</i> , 2023, 308, 111570.	1.7	48
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111	The pathway of melatonin biosynthesis in common wheat (<i>Triticum aestivum</i>). <i>Journal of Pineal Research</i> , 2023, 74, .	3.4	6

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135	Role of Phytomelatonin in Plant Tolerance Under Environmental Stress. , 2023, , 275-302.		0

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137	Melatonin Detection and Quantification Techniques. , 2023, , 19-38.		0
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