Jing Cao

List of Publications by Year in descending order

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66 papers	1,332 citations	430442 18 h-index	414034 32 g-index
67 all docs	67 docs citations	67 times ranked	1302 citing authors

#	Article	IF	Citations
1	A novel and compact review on the role of oxidative stress in female reproduction. Reproductive Biology and Endocrinology, 2018, 16, 80.	1.4	269
2	Role of melatonin in sleep deprivationâ€induced intestinal barrier dysfunction in mice. Journal of Pineal Research, 2019, 67, e12574.	3.4	153
3	Effect of Monochromatic Light on Melatonin Secretion and Arylalkylamine Nâ€Acetyltransferase mRNA Expression in the Retina and Pineal Gland of Broilers. Anatomical Record, 2011, 294, 1233-1241.	0.8	48
4	Effect of a combination of green and blue monochromatic light on broiler immune response. Journal of Photochemistry and Photobiology B: Biology, 2014, 138, 118-123.	1.7	45
5	Mechanisms of Melatonin in Obesity: A Review. International Journal of Molecular Sciences, 2022, 23, 218.	1.8	45
6	Melatonin plays a critical role in inducing B lymphocyte proliferation of the bursa of Fabricius in broilers via monochromatic lights. Journal of Photochemistry and Photobiology B: Biology, 2015, 142, 29-34.	1.7	42
7	Melatonin ameliorates anxiety-like behaviors induced by sleep deprivation in mice: Role of oxidative stress, neuroinflammation, autophagy and apoptosis. Brain Research Bulletin, 2021, 174, 161-172.	1.4	32
8	Restraint stress alters immune parameters and induces oxidative stress in the mouse uterus during embryo implantation. Stress, 2014, 17, 494-503.	0.8	28
9	Effect of melatonin on monochromatic light-induced T-lymphocyte proliferation in the thymus of chickens. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 9-16.	1.7	28
10	Melatonin Alleviates Acute Sleep Deprivation-Induced Memory Loss in Mice by Suppressing Hippocampal Ferroptosis. Frontiers in Pharmacology, 2021, 12, 708645.	1.6	28
11	Melatonin-mediated MT2 attenuates colitis induced by dextran sodium sulfate via PI3K/AKT/Nrf2/SIRT1/RORÎ±/NF-Î²B signaling pathways. International Immunopharmacology, 2021, 96, 107779.	1.7	28
12	Effect of monochromatic light on circadian rhythmic expression of clock genes in the hypothalamus of chick. Journal of Photochemistry and Photobiology B: Biology, 2017, 173, 476-484.	1.7	26
13	Role of monochromatic light on daily variation of clock gene expression in the pineal gland of chick. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 57-64.	1.7	25
14	Effect of monochromatic light on circadian rhythmic expression of clock genes and arylalkylamine N-acetyltransferase in chick retina. Chronobiology International, 2017, 34, 1149-1157.	0.9	22
15	Highly sensitive and rapid bacteria detection using molecular beaconâ€“Au nanoparticles hybrid nanoprobes. Biosensors and Bioelectronics, 2014, 57, 133-138.	5.3	20
16	Monochromatic light affects the development of chick embryo liver via an anti-oxidation pathway involving melatonin and the melatonin receptor Mel1c. Canadian Journal of Animal Science, 2014, 94, 391-400.	0.7	19
17	A pH-dependent Antibacterial Peptide Release Nano-system Blocks Tumor Growth in vivo without Toxicity. Scientific Reports, 2017, 7, 11242.	1.6	19
18	Ferroptosis Mechanisms Involved in Hippocampal-Related Diseases. International Journal of Molecular Sciences, 2021, 22, 9902.	1.8	19

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19	Melatonin modulates monochromatic light-induced GHRH expression in the hypothalamus and GH secretion in chicks. Acta Histochemica, 2016, 118, 286-292.	0.9	18
20	Melatonin attenuates microbiota dysbiosis of jejunum in short-term sleep deprived mice. Journal of Microbiology, 2020, 58, 588-597.	1.3	18
21	Role of melatonin in intestinal mucosal injury induced by restraint stress in mice. Pharmaceutical Biology, 2020, 58, 342-351.	1.3	18
22	Exploration of the potential roles of m6A regulators in the uterus in pregnancy and infertility. Journal of Reproductive Immunology, 2021, 146, 103341.	0.8	18
23	BMAL1 but not CLOCK is associated with monochromatic green light-induced circadian rhythm of melatonin in chick pinealocytes. Endocrine Connections, 2019, 8, 57-68.	0.8	18
24	Role of serotonin on the intestinal mucosal immune response to stress-induced diarrhea in weaning mice. BMC Gastroenterology, 2017, 17, 82.	0.8	16
25	Physiological crosstalk between the AC/PKA and PLC/PKC pathways modulates melatonin-mediated, monochromatic-light-induced proliferation of T-lymphocytes in chickens. Cell and Tissue Research, 2017, 369, 555-565.	1.5	15
26	Melatonin Ameliorates Corticosterone-Mediated Oxidative Stress-Induced Colitis in Sleep-Deprived Mice Involving Gut Microbiota. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-24.	1.9	15
27	Melatonin-Mediated Colonic Microbiota Metabolite Butyrate Prevents Acute Sleep Deprivation-Induced Colitis in Mice. International Journal of Molecular Sciences, 2021, 22, 11894.	1.8	15
28	Melatonin mediates monochromatic green light-induced satellite cell proliferation and muscle growth in chick embryo. PLoS ONE, 2019, 14, e0216392.	1.1	14
29	Developmental changes of melatonin receptor expression in the spleen of the chicken, Gallus domesticus. Acta Histochemica, 2015, 117, 559-565.	0.9	13
30	Melatonin Mediates Monochromatic Lightâ€induced Insulinâ€like Growth Factor 1 Secretion of Chick Liver: Involvement of Membrane Receptors. Photochemistry and Photobiology, 2016, 92, 595-603.	1.3	12
31	Various LED Wavelengths Affected Myofiber Development and Satellite Cell Proliferation of Chick Embryos via the IGFâ€1 Signaling Pathway. Photochemistry and Photobiology, 2017, 93, 1492-1501.	1.3	12
32	Role of serotonin in the intestinal mucosal epithelium barrier in weaning mice undergoing stress-induced diarrhea. Journal of Molecular Histology, 2018, 49, 85-97.	1.0	12
33	Effect of Monochromatic Light on Circadian Rhythm of Clock Genes in Chick Pinealocytes. Photochemistry and Photobiology, 2018, 94, 1263-1272.	1.3	12
34	Effect of pinealectomy on the circadian clock of the chick retina under different monochromatic lights. Chronobiology International, 2019, 36, 548-563.	0.9	12
35	Effect of melatonin on monochromatic light-induced changes in clock gene circadian expression in the chick liver. Journal of Photochemistry and Photobiology B: Biology, 2019, 197, 111537.	1.7	12
36	Effect of monochromatic light on the circadian clock of cultured chick retinal tissue. Experimental Eye Research, 2020, 194, 108008.	1.2	12

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37	Role of melatonin in murine â€œrestraint stressâ€•induced dysfunction of colonic microbiota. Journal of Microbiology, 2021, 59, 500-512.	1.3	12
38	Restraint stress delays endometrial adaptive remodeling during mouse embryo implantation. Stress, 2015, 18, 699-709.	0.8	11
39	In ovo exposure to monochromatic lights affect posthatch muscle growth and satellite cell proliferation of chicks: role of IGF-1. Growth Factors, 2016, 34, 107-118.	0.5	11
40	Dim Blue Light at Night Induces Spatial Memory Impairment in Mice by Hippocampal Neuroinflammation and Oxidative Stress. Antioxidants, 2022, 11, 1218.	2.2	11
41	Melatonin alleviates oxidative stress in sleep deprived mice: Involvement of small intestinal mucosa injury. International Immunopharmacology, 2020, 78, 106041.	1.7	10
42	Melatonin mediates monochromatic lightâ€“induced proliferation of T/B lymphocytes in the spleen via the membrane receptor or nuclear receptor. Poultry Science, 2020, 99, 4294-4302.	1.5	9
43	Role of Sleep Restriction in Daily Rhythms of Expression of Hypothalamic Core Clock Genes in Mice. Current Issues in Molecular Biology, 2022, 44, 609-625.	1.0	9
44	Effect of monochromatic light on the temporal expression of N-acetyltransferase in chick pineal gland. Chronobiology International, 2020, 37, 1140-1150.	0.9	8
45	Secretion pathway of liver IGF-1 via JAK2/STAT3 in chick embryo under the monochromatic light. Growth Factors, 2016, 34, 51-63.	0.5	7
46	FOXO1 Is a Critical Switch Molecule for Autophagy and Apoptosis of Sow Endometrial Epithelial Cells Caused by Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-24.	1.9	7
47	Mel1c Mediated Monochromatic Light-Stimulated IGF-I Synthesis through the Intracellular Gî±q/PKC/ERK Signaling Pathway. International Journal of Molecular Sciences, 2019, 20, 1682.	1.8	6
48	Melatonin prevents the dysbiosis of intestinal microbiota in sleep-restricted mice by improving oxidative stress and inhibiting inflammation. Saudi Journal of Gastroenterology, 2022, .	0.5	6
49	Monochromatic blue light not green light exposure is associated with continuous light-induced hepatic steatosis in high fat diet fed-mice via oxidative stress. Ecotoxicology and Environmental Safety, 2022, 239, 113625.	2.9	6
50	Melatonin modulates monochromatic light-induced melatonin receptor expression in the hypothalamus of chicks. Acta Histochemica, 2017, 119, 733-739.	0.9	5
51	Effect of the melatonin nuclear receptor RORî± on monochromatic light-induced T-lymphocyte proliferation in chicken thymus. Immunology Letters, 2019, 213, 21-29.	1.1	5
52	Melatonin Receptor Mel1bâ€•and Mel1câ€•mediated Green Light Induced the Secretion of Growth Hormone in Anterior Pituitary of Chicks. Photochemistry and Photobiology, 2019, 95, 1387-1394.	1.3	5
53	Restraint stress induces uterine microenvironment disorder in mice during early pregnancy through the Î²₂-AR/cAMP/PKA pathway. Stress, 2021, 24, 514-528.	0.8	5
54	The Role of the FOXO1/Î²2-AR/p-NF-ÎºB p65 Pathway in the Development of Endometrial Stromal Cells in Pregnant Mice under Restraint Stress. International Journal of Molecular Sciences, 2021, 22, 1478.	1.8	5

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55	A Green and Blue Monochromatic Light Combination Therapy Reduces Oxidative Stress and Enhances B-Lymphocyte Proliferation through Promoting Melatonin Secretion. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	1.9	5
56	Blue Light Alters the Composition of the Jejunal Microbiota and Promotes the Development of the Small Intestine by Reducing Oxidative Stress. Antioxidants, 2022, 11, 274.	2.2	5
57	The Role of Aeromonas-Goblet Cell Interactions in Melatonin-Mediated Improvements in Sleep Deprivation-Induced Colitis. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-23.	1.9	5
58	Role of BMAL1 and CLOCK in regulating the secretion of melatonin in chick retina under monochromatic green light. Chronobiology International, 2020, 37, 1677-1692.	0.9	4
59	Impairment of CRH in the intestinal mucosal epithelial barrier of pregnant Bama miniature pig induced by restraint stress. Endocrine Journal, 2021, 68, 485-502.	0.7	3
60	Mel1b and Mel1c melatonin receptors mediate green light-induced secretion of growth hormone in chick adenohypophysis cells via the AC/PKA and ERK1/2 signalling pathways. Journal of Photochemistry and Photobiology B: Biology, 2021, 225, 112322.	1.7	3
61	The immunologic and antioxidant effects of L-phenylalanine on the uterine implantation of mice embryos during early pregnancy. Histology and Histopathology, 2014, 29, 1335-42.	0.5	3
62	Neurovirulence of Avian Influenza Virus Is Dependent on the Interaction of Viral NP Protein with FMRP in the Murine Brain. Journal of Virology, 2021, 95, .	1.5	2
63	Melatonin Nuclear Receptors Mediate Green-and-Blue-Monochromatic-Light-Combinations-Inhibited B Lymphocyte Apoptosis in the Bursa of Chickens via Reducing Oxidative Stress and Nfl^{9}b Expression. Antioxidants, 2022, 11, 748.	2.2	2
64	Effects of Different Monochromatic Light Combinations on Cecal Microbiota Composition and Cecal Tonsil T Lymphocyte Proliferation. Frontiers in Immunology, 0, 13, .	2.2	2
65	Melatonin mediates monochromatic light-induced expression of somatostatin in the hypothalamus and pituitary of chicks. Poultry Science, 2021, 100, 101285.	1.5	1
66	Distribution of intraepithelial lymphocytes, mast cells, and goblet cells in the intestine of alpaca. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 0, , .	0.3	1