

# Zixu Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

1,409  
citations

393982

19  
h-index

395343

33  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1176  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel and compact review on the role of oxidative stress in female reproduction. <i>Reproductive Biology and Endocrinology</i> , 2018, 16, 80.	1.4	269
2	Role of melatonin in sleep deprivation-induced intestinal barrier dysfunction in mice. <i>Journal of Pineal Research</i> , 2019, 67, e12574.	3.4	153
3	Effects of Monochromatic Light on Developmental Changes in Satellite Cell Population of Pectoral Muscle in Broilers During Early Posthatch Period. <i>Anatomical Record</i> , 2010, 293, 1315-1324.	0.8	52
4	Effect of Monochromatic Light on Melatonin Secretion and Arylalkylamine N-acetyltransferase mRNA Expression in the Retina and Pineal Gland of Broilers. <i>Anatomical Record</i> , 2011, 294, 1233-1241.	0.8	48
5	Effect of a combination of green and blue monochromatic light on broiler immune response. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 138, 118-123.	1.7	45
6	Mechanisms of Melatonin in Obesity: A Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 218.	1.8	45
7	Melatonin plays a critical role in inducing B lymphocyte proliferation of the bursa of Fabricius in broilers via monochromatic lights. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 142, 29-34.	1.7	42
8	The Role and Mechanism of Essential Selenoproteins for Homeostasis. <i>Antioxidants</i> , 2022, 11, 973.	2.2	33
9	Melatonin ameliorates anxiety-like behaviors induced by sleep deprivation in mice: Role of oxidative stress, neuroinflammation, autophagy and apoptosis. <i>Brain Research Bulletin</i> , 2021, 174, 161-172.	1.4	32
10	Kidney Damage Caused by Obesity and Its Feasible Treatment Drugs. <i>International Journal of Molecular Sciences</i> , 2022, 23, 747.	1.8	32
11	Trace Element Selenium Effectively Alleviates Intestinal Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11708.	1.8	30
12	Effect of melatonin on monochromatic light-induced T-lymphocyte proliferation in the thymus of chickens. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 161, 9-16.	1.7	28
13	Melatonin Alleviates Acute Sleep Deprivation-Induced Memory Loss in Mice by Suppressing Hippocampal Ferroptosis. <i>Frontiers in Pharmacology</i> , 2021, 12, 708645.	1.6	28
14	Melatonin-mediated MT2 attenuates colitis induced by dextran sodium sulfate via PI3K/AKT/Nrf2/SIRT1/ROR $\alpha$ /NF- $\kappa$ B signaling pathways. <i>International Immunopharmacology</i> , 2021, 96, 107779.	1.7	28
15	Effect of monochromatic light on circadian rhythmic expression of clock genes in the hypothalamus of chick. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 476-484.	1.7	26
16	Role of monochromatic light on daily variation of clock gene expression in the pineal gland of chick. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 164, 57-64.	1.7	25
17	Effect of monochromatic light on circadian rhythmic expression of clock genes and arylalkylamine N-acetyltransferase in chick retina. <i>Chronobiology International</i> , 2017, 34, 1149-1157.	0.9	22
18	Monochromatic light affects the development of chick embryo liver via an anti-oxidation pathway involving melatonin and the melatonin receptor Mel1c. <i>Canadian Journal of Animal Science</i> , 2014, 94, 391-400.	0.7	19

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19	Ferroptosis Mechanisms Involved in Hippocampal-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9902.	1.8	19
20	Melatonin modulates monochromatic light-induced GHRH expression in the hypothalamus and GH secretion in chicks. <i>Acta Histochemica</i> , 2016, 118, 286-292.	0.9	18
21	Melatonin attenuates microbiota dysbiosis of jejunum in short-term sleep deprived mice. <i>Journal of Microbiology</i> , 2020, 58, 588-597.	1.3	18
22	Role of melatonin in intestinal mucosal injury induced by restraint stress in mice. <i>Pharmaceutical Biology</i> , 2020, 58, 342-351.	1.3	18
23	Exploration of the potential roles of m6A regulators in the uterus in pregnancy and infertility. <i>Journal of Reproductive Immunology</i> , 2021, 146, 103341.	0.8	18
24	BMAL1 but not CLOCK is associated with monochromatic green light-induced circadian rhythm of melatonin in chick pinealocytes. <i>Endocrine Connections</i> , 2019, 8, 57-68.	0.8	18
25	Role of serotonin on the intestinal mucosal immune response to stress-induced diarrhea in weaning mice. <i>BMC Gastroenterology</i> , 2017, 17, 82.	0.8	16
26	Physiological crosstalk between the AC/PKA and PLC/PKC pathways modulates melatonin-mediated, monochromatic-light-induced proliferation of T-lymphocytes in chickens. <i>Cell and Tissue Research</i> , 2017, 369, 555-565.	1.5	15
27	Melatonin Ameliorates Corticosterone-Mediated Oxidative Stress-Induced Colitis in Sleep-Deprived Mice Involving Gut Microbiota. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-24.	1.9	15
28	Melatonin-Mediated Colonic Microbiota Metabolite Butyrate Prevents Acute Sleep Deprivation-Induced Colitis in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11894.	1.8	15
29	Melatonin mediates monochromatic green light-induced satellite cell proliferation and muscle growth in chick embryo. <i>PLoS ONE</i> , 2019, 14, e0216392.	1.1	14
30	Developmental changes of melatonin receptor expression in the spleen of the chicken, <i>Gallus domesticus</i> . <i>Acta Histochemica</i> , 2015, 117, 559-565.	0.9	13
31	Melatonin Mediates Monochromatic Light-Induced Insulin-Like Growth Factor 1 Secretion of Chick Liver: Involvement of Membrane Receptors. <i>Photochemistry and Photobiology</i> , 2016, 92, 595-603.	1.3	12
32	Various LED Wavelengths Affected Myofiber Development and Satellite Cell Proliferation of Chick Embryos via the IGF-1 Signaling Pathway. <i>Photochemistry and Photobiology</i> , 2017, 93, 1492-1501.	1.3	12
33	Role of serotonin in the intestinal mucosal epithelium barrier in weaning mice undergoing stress-induced diarrhea. <i>Journal of Molecular Histology</i> , 2018, 49, 85-97.	1.0	12
34	Effect of Monochromatic Light on Circadian Rhythm of Clock Genes in Chick Pinealocytes. <i>Photochemistry and Photobiology</i> , 2018, 94, 1263-1272.	1.3	12
35	Effect of pinealectomy on the circadian clock of the chick retina under different monochromatic lights. <i>Chronobiology International</i> , 2019, 36, 548-563.	0.9	12
36	Effect of melatonin on monochromatic light-induced changes in clock gene circadian expression in the chick liver. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111537.	1.7	12

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37	Effect of monochromatic light on the circadian clock of cultured chick retinal tissue. <i>Experimental Eye Research</i> , 2020, 194, 108008.	1.2	12
38	Role of melatonin in murine "restraint stress" induced dysfunction of colonic microbiota. <i>Journal of Microbiology</i> , 2021, 59, 500-512.	1.3	12
39	Restraint stress delays endometrial adaptive remodeling during mouse embryo implantation. <i>Stress</i> , 2015, 18, 699-709.	0.8	11
40	In ovo exposure to monochromatic lights affect posthatch muscle growth and satellite cell proliferation of chicks: role of IGF-1. <i>Growth Factors</i> , 2016, 34, 107-118.	0.5	11
41	Melatonin alleviates oxidative stress in sleep deprived mice: Involvement of small intestinal mucosa injury. <i>International Immunopharmacology</i> , 2020, 78, 106041.	1.7	10
42	Melatonin mediates monochromatic light induced proliferation of T/B lymphocytes in the spleen via the membrane receptor or nuclear receptor. <i>Poultry Science</i> , 2020, 99, 4294-4302.	1.5	9
43	Role of Sleep Restriction in Daily Rhythms of Expression of Hypothalamic Core Clock Genes in Mice. <i>Current Issues in Molecular Biology</i> , 2022, 44, 609-625.	1.0	9
44	Royal Jelly Protected against Dextran-Sulfate-Sodium-Induced Colitis by Improving the Colonic Mucosal Barrier and Gut Microbiota. <i>Nutrients</i> , 2022, 14, 2069.	1.7	9
45	Effect of monochromatic light on the temporal expression of <i>N-acetyltransferase</i> in chick pineal gland. <i>Chronobiology International</i> , 2020, 37, 1140-1150.	0.9	8
46	Secretion pathway of liver IGF-1 via JAK2/STAT3 in chick embryo under the monochromatic light. <i>Growth Factors</i> , 2016, 34, 51-63.	0.5	7
47	FOXO1 Is a Critical Switch Molecule for Autophagy and Apoptosis of Sow Endometrial Epithelial Cells Caused by Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-24.	1.9	7
48	Mel1c Mediated Monochromatic Light-Stimulated IGF-I Synthesis through the Intracellular G1q/PKC/ERK Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1682.	1.8	6
49	Melatonin prevents the dysbiosis of intestinal microbiota in sleep-restricted mice by improving oxidative stress and inhibiting inflammation. <i>Saudi Journal of Gastroenterology</i> , 2022, .	0.5	6
50	Monochromatic blue light not green light exposure is associated with continuous light-induced hepatic steatosis in high fat diet fed-mice via oxidative stress. <i>Ecotoxicology and Environmental Safety</i> , 2022, 239, 113625.	2.9	6
51	Melatonin modulates monochromatic light-induced melatonin receptor expression in the hypothalamus of chicks. <i>Acta Histochemica</i> , 2017, 119, 733-739.	0.9	5
52	Effect of the melatonin nuclear receptor ROR1 on monochromatic light-induced T-lymphocyte proliferation in chicken thymus. <i>Immunology Letters</i> , 2019, 213, 21-29.	1.1	5
53	Melatonin Receptor Mel1b and Mel1c mediated Green Light Induced the Secretion of Growth Hormone in Anterior Pituitary of Chicks. <i>Photochemistry and Photobiology</i> , 2019, 95, 1387-1394.	1.3	5
54	Restraint stress induces uterine microenvironment disorder in mice during early pregnancy through the 2-AR/cAMP/PKA pathway. <i>Stress</i> , 2021, 24, 514-528.	0.8	5

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55	The Role of the FOXO1/Î²2-AR/p-NF-Î²B p65 Pathway in the Development of Endometrial Stromal Cells in Pregnant Mice under Restraint Stress. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1478.	1.8	5
56	A Green and Blue Monochromatic Light Combination Therapy Reduces Oxidative Stress and Enhances B-Lymphocyte Proliferation through Promoting Melatonin Secretion. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	1.9	5
57	Blue Light Alters the Composition of the Jejunal Microbiota and Promotes the Development of the Small Intestine by Reducing Oxidative Stress. <i>Antioxidants</i> , 2022, 11, 274.	2.2	5
58	The Role of Aeromonas-Goblet Cell Interactions in Melatonin-Mediated Improvements in Sleep Deprivation-Induced Colitis. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-23.	1.9	5
59	Role of BMAL1 and CLOCK in regulating the secretion of melatonin in chick retina under monochromatic green light. <i>Chronobiology International</i> , 2020, 37, 1677-1692.	0.9	4
60	Impairment of CRH in the intestinal mucosal epithelial barrier of pregnant Bama miniature pig induced by restraint stress. <i>Endocrine Journal</i> , 2021, 68, 485-502.	0.7	3
61	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. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 225, 112322.	1.7	3
62	The immunologic and antioxidant effects of L-phenylalanine on the uterine implantation of mice embryos during early pregnancy. <i>Histology and Histopathology</i> , 2014, 29, 1335-42.	0.5	3
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 <sup>α</sup> b Expression. <i>Antioxidants</i> , 2022, 11, 748.	2.2	2
64	Effects of Different Monochromatic Light Combinations on Cecal Microbiota Composition and Cecal Tonsil T Lymphocyte Proliferation. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
65	Postnatal development of NADPH-d neurons in the enteric nervous system of the goat. <i>Italian Journal of Animal Science</i> , 2010, 9, e79.	0.8	1
66	Melatonin mediates monochromatic light-induced expression of somatostatin in the hypothalamus and pituitary of chicks. <i>Poultry Science</i> , 2021, 100, 101285.	1.5	1
67	Distribution of intraepithelial lymphocytes, mast cells, and goblet cells in the intestine of alpaca. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 0, , .	0.3	1