Han Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

63 papers	3,141 citations	186265 28 h-index	161849 54 g-index
65 all docs	65 docs citations	65 times ranked	4796 citing authors

#	Article	IF	Citations
1	Roles of vesicular monoamine transporter 2 in neuronal development and histaminergic signallingâ€"Insights from zebrafish. Acta Physiologica, 2022, 234, e13739.	3.8	3
2	Computational Analysis Predicts Hundreds of Coding lncRNAs in Zebrafish. Biology, 2021, 10, 371.	2.8	7
3	Presynaptic coupling by electrical synapses coordinates a rhythmic behavior by synchronizing the activities of a neuron pair. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
4	Identification of Rhythmically Expressed LncRNAs in the Zebrafish Pineal Gland and Testis. International Journal of Molecular Sciences, 2021, 22, 7810.	4.1	7
5	Hundreds of LncRNAs Display Circadian Rhythmicity in Zebrafish Larvae. Cells, 2021, 10, 3173.	4.1	1
6	Caenorhabditis elegans AF4/FMR2 Family Homolog affl-2 Regulates Heat-Shock-Induced Gene Expression. Genetics, 2020, 215, 1039-1054.	2.9	5
7	Signaling by AWC Olfactory Neurons Is Necessary for Caenorhabditis elegansâ€™ Response to Prenol, an Odor Associated with Nematode-Infected Insects. Genetics, 2020, 216, 145-157.	2.9	2
8	The Molecular Evolution of Circadian Clock Genes in Spotted Gar (Lepisosteus oculatus). Genes, 2019, 10, 622.	2.4	10
9	Macaque monkeys as a non-human primate circadian model. National Science Review, 2019, 6, 302-303.	9.5	2
10	Biological adaptations in the Arctic cervid, the reindeer (Rangifer tarandus). Science, 2019, 364, .	12.6	58
11	Loss-of-function mutations with circadian rhythm regulator Per1/Per2 lead to premature ovarian insufficiencyâ€. Biology of Reproduction, 2019, 100, 1066-1072.	2.7	23
12	DVC interneuron cGAL driver in Caenorhabditis elegans. MicroPublication Biology, 2019, 2019, .	0.1	0
13	Ezh2 promotes clock function and hematopoiesis independent of histone methyltransferase activity in zebrafish. Nucleic Acids Research, 2018, 46, 3382-3399.	14.5	24
14	Split cGAL, an intersectional strategy using a split intein for refined spatiotemporal transgene control in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3900-3905.	7.1	30
15	A Conserved Circadian Function for the Neurofibromatosis 1 Gene. Cell Reports, 2018, 22, 3416-3426.	6.4	42
16	An Efficient Genome Editing Strategy To Generate Putative Null Mutants in Caenorhabditis elegans Using CRISPR/Cas9. G3: Genes, Genomes, Genetics, 2018, 8, 3607-3616.	1.8	64
17	Parkinsonâ€™s disease-like motor and non-motor symptoms in rotenone-treated zebrafish. NeuroToxicology, 2017, 58, 103-109.	3.0	76
18	Effects of Lithium and 2,4-Dichlorophenol on Zebrafish: Circadian Rhythm Disorder and Molecular Effects. Zebrafish, 2017, 14, 209-215.	1.1	10

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19	cGAL, a temperature-robust GAL4â€“UAS system for Caenorhabditis elegans. Nature Methods, 2017, 14, 145-148.	19.0	69
20	Circadian clock protein Period3 contributes to sleep homeostasis through histamine and GABA signaling in zebrafish. Mechanisms of Development, 2017, 145, S22.	1.7	0
21	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237
22	Deficiency of tumor suppressor NDRG2 leads to attention deficit and hyperactive behavior. Journal of Clinical Investigation, 2017, 127, 4270-4284.	8.2	36
23	Mapping results for a set of cGAL effectors and drivers. MicroPublication Biology, 2017, 2017, .	0.1	3
24	is a novel allele of in. MicroPublication Biology, 2017, 2017, .	0.1	0
25	The circadian clock regulates autophagy directly through the nuclear hormone receptor Nr1d1/Rev-erbÎ± and indirectly via Cebpb/(C/ebpÎ²) in zebrafish. Autophagy, 2016, 12, 1292-1309.	9.1	77
26	Iron deficiency anemiaâ€™s effect on bone formation in zebrafish mutant. Biochemical and Biophysical Research Communications, 2016, 475, 271-276.	2.1	24
27	Circadian Oscillations of NADH Redox State Using a Heterologous Metabolic Sensor in Mammalian Cells. Journal of Biological Chemistry, 2016, 291, 23906-23914.	3.4	10
28	C.Âelegans Stress-Induced Sleep Emerges from the Collective Action of Multiple Neuropeptides. Current Biology, 2016, 26, 2446-2455.	3.9	84
29	Risk of prenatal depression and stress treatment: alteration on serotonin system of offspring through exposure to Fluoxetine. Scientific Reports, 2016, 6, 33822.	3.3	18
30	Point mutations in KAL1 and the mitochondrial gene MT-tRNAcys synergize to produce Kallmann syndrome phenotype. Scientific Reports, 2015, 5, 13050.	3.3	11
31	Melatonin regulates the rhythmic migration of neutrophils in live zebrafish. Journal of Pineal Research, 2015, 58, 452-460.	7.4	46
32	Therapeutic Effect of Deferoxamine on Iron Overload-Induced Inhibition of Osteogenesis in a Zebrafish Model. Calcified Tissue International, 2014, 94, 353-360.	3.1	54
33	Neuropeptide Secreted from a Pacemaker Activates Neurons to Control a Rhythmic Behavior. Current Biology, 2013, 23, 746-754.	3.9	85
34	Multifunctional Upconversion Nanoparticles for Dualâ€Modal Imagingâ€Guided Stem Cell Therapy under Remote Magnetic Control. Advanced Functional Materials, 2013, 23, 272-280.	14.9	141
35	PKA Controls Calcium Influx into Motor Neurons during a Rhythmic Behavior. PLoS Genetics, 2013, 9, e1003831.	3.5	34
36	Extrasynaptic Muscarinic Acetylcholine Receptors on Neuronal Cell Bodies Regulate Presynaptic Function in Caenorhabditis elegans. Journal of Neuroscience, 2013, 33, 14146-14159.	3.6	22

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37	Oxidative Stress in the Liver of Mice Caused by Intraperitoneal Injection with Lanthanoides. Biological Trace Element Research, 2011, 139, 72-80.	3.5	21
38	P38-Nrf-2 Signaling Pathway of Oxidative Stress in Mice Caused by Nanoparticulate TiO2. Biological Trace Element Research, 2011, 140, 186-197.	3.5	80
39	The Mechanism of Liver Injury in Mice Caused by Lanthanoids. Biological Trace Element Research, 2011, 140, 317-329.	3.5	29
40	Origination of New Immunological Functions in the Costimulatory Molecule B7-H3: The Role of Exon Duplication in Evolution of the Immune System. PLoS ONE, 2011, 6, e24751.	2.5	28
41	Oxidative stress in the brain of mice caused by translocated nanoparticulate TiO2 delivered to the abdominal cavity. Biomaterials, 2010, 31, 99-105.	11.4	271
42	Interaction Between Nano-Anatase TiO2 and Liver DNA from Mice In Vivo. Nanoscale Research Letters, 2010, 5, 108-115.	5.7	88
43	Hepatocyte apoptosis and its molecular mechanisms in mice caused by titanium dioxide nanoparticles. Journal of Hazardous Materials, 2010, 183, 874-880.	12.4	121
44	Toxicological characteristics of nanoparticulate anatase titanium dioxide in mice. Biomaterials, 2010, 31, 894-899.	11.4	199
45	Neurotoxicological effects and the impairment of spatial recognition memory in mice caused by exposure to TiO2 nanoparticles. Biomaterials, 2010, 31, 8043-8050.	11.4	209
46	The mechanism of oxidative damage in the nephrotoxicity of mice caused by nano-anatase TiO₂. Journal of Experimental Nanoscience, 2010, 5, 447-462.	2.4	52
47	Spleen injury and apoptotic pathway in mice caused by titanium dioxide nanoparticules. Toxicology Letters, 2010, 195, 161-168.	0.8	98
48	Oxidative injury in the mouse spleen caused by lanthanides. Journal of Alloys and Compounds, 2010, 489, 708-713.	5.5	32
49	Comparative genomic analysis of teleost fish bmal genes. Genetica, 2009, 136, 149-161.	1.1	38
50	The Acute Liver Injury in Mice Caused by Nano-Anatase TiO2. Nanoscale Research Letters, 2009, 4, 1275-85.	5.7	121
51	Comparative Analysis of Period Genes in Teleost Fish Genomes. Journal of Molecular Evolution, 2008, 67, 29-40.	1.8	68
52	Comparative analysis of teleost fish genomes reveals preservation of different ancient clock duplicates in different fishes. Marine Genomics, 2008, 1, 69-78.	1.1	55
53	Identification and characterization of zebrafish ocular formation genes. Genome, 2008, 51, 222-235.	2.0	21
54	Heme Regulates Exocrine Peptidase Precursor Genes in Zebrafish. Experimental Biology and Medicine, 2007, 232, 1170-1180.	2.4	20

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55	Isolation and expression of zebrafish zinc-finger transcription factor gene tsh1. Gene Expression Patterns, 2007, 7, 318-322.	0.8	5
56	Nine-year reciprocal transplant experiment in the gardens of the basin and mountain big sagebrush (Artemisia tridentata: Asteraceae) hybrid zone of Salt Creek Canyon: the importance of multiple-year tracking of fâ€Šitness. Biological Journal of the Linnean Society, 2005, 86, 213-225.	1.6	30
57	Decreased glycogen synthase kinase 3-beta levels and related physiological changes in Bacillus anthracis lethal toxin-treated macrophages. Cellular Microbiology, 2003, 5, 523-532.	2.1	32
58	Zebrafish yolk-specificnot really started (nrs) gene is a vertebrate homolog of theDrosophila spinster gene and is essential for embryogenesis. Developmental Dynamics, 2002, 223, 298-305.	1.8	24
59	Narrow hybrid zone between two subspecies of big sagebrush (A RTEMISIA TRIDENTATA: Asteraceae). IX. Elemental uptake and niche separation. American Journal of Botany, 1999, 86, 1099-1107.	1.7	17
60	Narrow hybrid zone between two subspecies of big sagebrush, Artemisia tridentata (Asteraceae). VIII. Spatial and temporal pattern of terpenes. Biochemical Systematics and Ecology, 1999, 27, 11-25.	1.3	16
61	Narrow hybrid zone between two subspecies of big sagebrush (Artemisia tridentata:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T f	1.1	5
62	Narrow Hybrid Zone between Two Subspecies of Big Sagebrush (Artemisia tridentata: Asteraceae). V. Soil Properties. International Journal of Plant Sciences, 1998, 159, 139-147.	1.3	13
63	Narrow Hybrid Zone Between Two Subspecies of Big Sagebrush (Artemisia tridentata: Asteraceae). IV. Reciprocal Transplant Experiments. Evolution; International Journal of Organic Evolution, 1997, 51, 95.	2.3	121