

Han Wang

List of Publications by Year in descending order

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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	Oxidative stress in the brain of mice caused by translocated nanoparticulate TiO ₂ delivered to the abdominal cavity. <i>Biomaterials</i> , 2010, 31, 99-105.	11.4	271
2	Guidelines for Genome-Scale Analysis of Biological Rhythms. <i>Journal of Biological Rhythms</i> , 2017, 32, 380-393.	2.6	237
3	Neurotoxicological effects and the impairment of spatial recognition memory in mice caused by exposure to TiO ₂ nanoparticles. <i>Biomaterials</i> , 2010, 31, 8043-8050.	11.4	209
4	Toxicological characteristics of nanoparticulate anatase titanium dioxide in mice. <i>Biomaterials</i> , 2010, 31, 894-899.	11.4	199
5	Multifunctional Upconversion Nanoparticles for Dual-Modal Imaging-Guided Stem Cell Therapy under Remote Magnetic Control. <i>Advanced Functional Materials</i> , 2013, 23, 272-280.	14.9	141
6	Narrow Hybrid Zone Between Two Subspecies of Big Sagebrush (<i>Artemisia tridentata</i> : Asteraceae). IV. Reciprocal Transplant Experiments. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 95.	2.3	121
7	The Acute Liver Injury in Mice Caused by Nano-Anatase TiO ₂ . <i>Nanoscale Research Letters</i> , 2009, 4, 1275-85.	5.7	121
8	Hepatocyte apoptosis and its molecular mechanisms in mice caused by titanium dioxide nanoparticles. <i>Journal of Hazardous Materials</i> , 2010, 183, 874-880.	12.4	121
9	Spleen injury and apoptotic pathway in mice caused by titanium dioxide nanoparticles. <i>Toxicology Letters</i> , 2010, 195, 161-168.	0.8	98
10	Interaction Between Nano-Anatase TiO ₂ and Liver DNA from Mice In Vivo. <i>Nanoscale Research Letters</i> , 2010, 5, 108-115.	5.7	88
11	Neuropeptide Secreted from a Pacemaker Activates Neurons to Control a Rhythmic Behavior. <i>Current Biology</i> , 2013, 23, 746-754.	3.9	85
12	<i>C.Âlegans</i> Stress-Induced Sleep Emerges from the Collective Action of Multiple Neuropeptides. <i>Current Biology</i> , 2016, 26, 2446-2455.	3.9	84
13	P38-Nrf-2 Signaling Pathway of Oxidative Stress in Mice Caused by Nanoparticulate TiO ₂ . <i>Biological Trace Element Research</i> , 2011, 140, 186-197.	3.5	80
14	The circadian clock regulates autophagy directly through the nuclear hormone receptor Nr1d1/Rev-erb1 α and indirectly via Cebpb/(C/ebp1 ²) in zebrafish. <i>Autophagy</i> , 2016, 12, 1292-1309.	9.1	77
15	Parkinson's disease-like motor and non-motor symptoms in rotenone-treated zebrafish. <i>NeuroToxicology</i> , 2017, 58, 103-109.	3.0	76
16	cGAL, a temperature-robust GAL4-UAS system for <i>Caenorhabditis elegans</i> . <i>Nature Methods</i> , 2017, 14, 145-148.	19.0	69
17	Comparative Analysis of Period Genes in Teleost Fish Genomes. <i>Journal of Molecular Evolution</i> , 2008, 67, 29-40.	1.8	68
18	An Efficient Genome Editing Strategy To Generate Putative Null Mutants in <i>Caenorhabditis elegans</i> Using CRISPR/Cas9. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3607-3616.	1.8	64

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19	Biological adaptations in the Arctic cervid, the reindeer (<i>Rangifer tarandus</i>). Science, 2019, 364, .	12.6	58
20	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
21	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
22	The mechanism of oxidative damage in the nephrotoxicity of mice caused by nano-anatase TiO ₂ . Journal of Experimental Nanoscience, 2010, 5, 447-462.	2.4	52
23	Melatonin regulates the rhythmic migration of neutrophils in live zebrafish. Journal of Pineal Research, 2015, 58, 452-460.	7.4	46
24	A Conserved Circadian Function for the Neurofibromatosis 1 Gene. Cell Reports, 2018, 22, 3416-3426.	6.4	42
25	Comparative genomic analysis of teleost fish bmal genes. Genetica, 2009, 136, 149-161.	1.1	38
26	Deficiency of tumor suppressor NDRG2 leads to attention deficit and hyperactive behavior. Journal of Clinical Investigation, 2017, 127, 4270-4284.	8.2	36
27	PKA Controls Calcium Influx into Motor Neurons during a Rhythmic Behavior. PLoS Genetics, 2013, 9, e1003831.	3.5	34
28	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
29	Oxidative injury in the mouse spleen caused by lanthanides. Journal of Alloys and Compounds, 2010, 489, 708-713.	5.5	32
30	Nine-year reciprocal transplant experiment in the gardens of the basin and mountain big sagebrush (<i>Artemisia tridentata</i> : Asteraceae) hybrid zone of Salt Creek Canyon: the importance of multiple-year tracking of fitness. Biological Journal of the Linnean Society, 2005, 86, 213-225.	1.6	30
31	Split cGAL, an intersectional strategy using a split intein for refined spatiotemporal transgene control in <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3900-3905.	7.1	30
32	The Mechanism of Liver Injury in Mice Caused by Lanthanoids. Biological Trace Element Research, 2011, 140, 317-329.	3.5	29
33	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
34	Zebrafish yolk-specific not really started (<i>nrs</i>) gene is a vertebrate homolog of the <i>Drosophila</i> spinster gene and is essential for embryogenesis. Developmental Dynamics, 2002, 223, 298-305.	1.8	24
35	Iron deficiency anemia's effect on bone formation in zebrafish mutant. Biochemical and Biophysical Research Communications, 2016, 475, 271-276.	2.1	24
36	Ezh2 promotes clock function and hematopoiesis independent of histone methyltransferase activity in zebrafish. Nucleic Acids Research, 2018, 46, 3382-3399.	14.5	24

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37	Loss-of-function mutations with circadian rhythm regulator Per1/Per2 lead to premature ovarian insufficiency. <i>Biology of Reproduction</i> , 2019, 100, 1066-1072.	2.7	23
38	Extrasynaptic Muscarinic Acetylcholine Receptors on Neuronal Cell Bodies Regulate Presynaptic Function in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2013, 33, 14146-14159.	3.6	22
39	Identification and characterization of zebrafish ocular formation genes. <i>Genome</i> , 2008, 51, 222-235.	2.0	21
40	Oxidative Stress in the Liver of Mice Caused by Intraperitoneal Injection with Lanthanoides. <i>Biological Trace Element Research</i> , 2011, 139, 72-80.	3.5	21
41	Heme Regulates Exocrine Peptidase Precursor Genes in Zebrafish. <i>Experimental Biology and Medicine</i> , 2007, 232, 1170-1180.	2.4	20
42	Risk of prenatal depression and stress treatment: alteration on serotonin system of offspring through exposure to Fluoxetine. <i>Scientific Reports</i> , 2016, 6, 33822.	3.3	18
43	Narrow hybrid zone between two subspecies of big sagebrush (<i>Artemisia tridentata</i> : Asteraceae). IX. Elemental uptake and niche separation. <i>American Journal of Botany</i> , 1999, 86, 1099-1107.	1.7	17
44	Narrow hybrid zone between two subspecies of big sagebrush, <i>Artemisia tridentata</i> (Asteraceae). VIII. Spatial and temporal pattern of terpenes. <i>Biochemical Systematics and Ecology</i> , 1999, 27, 11-25.	1.3	16
45	Narrow Hybrid Zone between Two Subspecies of Big Sagebrush (<i>Artemisia tridentata</i> : Asteraceae). V. Soil Properties. <i>International Journal of Plant Sciences</i> , 1998, 159, 139-147.	1.3	13
46	Point mutations in KAL1 and the mitochondrial gene MT-tRNA ^{cys} synergize to produce Kallmann syndrome phenotype. <i>Scientific Reports</i> , 2015, 5, 13050.	3.3	11
47	Presynaptic coupling by electrical synapses coordinates a rhythmic behavior by synchronizing the activities of a neuron pair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	11
48	Circadian Oscillations of NADH Redox State Using a Heterologous Metabolic Sensor in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 23906-23914.	3.4	10
49	Effects of Lithium and 2,4-Dichlorophenol on Zebrafish: Circadian Rhythm Disorder and Molecular Effects. <i>Zebrafish</i> , 2017, 14, 209-215.	1.1	10
50	The Molecular Evolution of Circadian Clock Genes in Spotted Gar (<i>Lepisosteus oculatus</i>). <i>Genes</i> , 2019, 10, 622.	2.4	10
51	Computational Analysis Predicts Hundreds of Coding lncRNAs in Zebrafish. <i>Biology</i> , 2021, 10, 371.	2.8	7
52	Identification of Rhythmically Expressed lncRNAs in the Zebrafish Pineal Gland and Testis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7810.	4.1	7
53	Narrow hybrid zone between two subspecies of big sagebrush (<i>Artemisia tridentata</i>) Tj ETQq1 1 0.784314 r _{BT} / Overlock 10 Tj	1.1	5
54	Isolation and expression of zebrafish zinc-finger transcription factor gene tsh1. <i>Gene Expression Patterns</i> , 2007, 7, 318-322.	0.8	5

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55	<i>Caenorhabditis elegans</i> AF4/FMR2 Family Homolog <i>affl-2</i> Regulates Heat-Shock-Induced Gene Expression. <i>Genetics</i> , 2020, 215, 1039-1054.	2.9	5
56	Mapping results for a set of cGAL effectors and drivers. <i>MicroPublication Biology</i> , 2017, 2017, .	0.1	3
57	Roles of vesicular monoamine transporter 2 in neuronal development and histaminergic signalling—Insights from zebrafish. <i>Acta Physiologica</i> , 2022, 234, e13739.	3.8	3
58	Macaque monkeys as a non-human primate circadian model. <i>National Science Review</i> , 2019, 6, 302-303.	9.5	2
59	Signaling by AWC Olfactory Neurons Is Necessary for <i>Caenorhabditis elegans</i> ™ Response to Prenol, an Odor Associated with Nematode-Infected Insects. <i>Genetics</i> , 2020, 216, 145-157.	2.9	2
60	Hundreds of LncRNAs Display Circadian Rhythmicity in Zebrafish Larvae. <i>Cells</i> , 2021, 10, 3173.	4.1	1
61	Circadian clock protein Period3 contributes to sleep homeostasis through histamine and GABA signaling in zebrafish. <i>Mechanisms of Development</i> , 2017, 145, S22.	1.7	0
62	DVC interneuron cGAL driver in <i>Caenorhabditis elegans</i> . <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	0
63	is a novel allele of in. <i>MicroPublication Biology</i> , 2017, 2017, .	0.1	0