

# Yong-Hua Sun

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

1,091  
citations

20  
h-index

28  
g-index

91  
ext. papers

1,410  
ext. citations

5.6  
avg, IF

4.31  
L-index

#	Paper	IF	Citations
70	Cytoplasmic impact on cross-genus cloned fish derived from transgenic common carp ( <i>Cyprinus carpio</i> ) nuclei and goldfish ( <i>Carassius auratus</i> ) enucleated eggs. <i>Biology of Reproduction</i> , <b>2005</b> , 72, 510-539	3.9	78
69	The allotetraploid origin and asymmetrical genome evolution of the common carp <i>Cyprinus carpio</i> . <i>Nature Communications</i> , <b>2019</b> , 10, 4625	17.4	60
68	Graphene-based anticancer nanosystem and its biosafety evaluation using a zebrafish model. <i>Biomacromolecules</i> , <b>2013</b> , 14, 358-66	6.9	49
67	Embryonic and genetic manipulation in fish. <i>Cell Research</i> , <b>2000</b> , 10, 17-27	24.7	47
66	Genetic analysis of fish growth hormone gene transferred carp ( <i>Cyprinus carpio</i> L.) and its F1 generation. <i>Science Bulletin</i> , <b>2001</b> , 46, a1-a4		44
65	Efficient RNA interference in zebrafish embryos using siRNA synthesized with SP6 RNA polymerase. <i>Development Growth and Differentiation</i> , <b>2005</b> , 47, 323-31	3	41
64	Tissue-specific derepression of TCF/LEF controls the activity of the Wnt/ $\beta$ -catenin pathway. <i>Nature Communications</i> , <b>2014</b> , 5, 5368	17.4	38
63	Eaf1 and Eaf2 negatively regulate canonical Wnt/ $\beta$ -catenin signaling. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 1067-78	6.6	38
62	Abundance of Early Embryonic Primordial Germ Cells Promotes Zebrafish Female Differentiation as Revealed by Lifetime Labeling of Germline. <i>Marine Biotechnology</i> , <b>2019</b> , 21, 217-228	3.4	29
61	The germ cell nuclear proteins hnRNP G-T and RBMY activate a testis-specific exon. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000707	6	29
60	Zebrafish <i>cyp11c1</i> Knockout Reveals the Roles of 11-ketotestosterone and Cortisol in Sexual Development and Reproduction. <i>Endocrinology</i> , <b>2020</b> , 161,	4.8	28
59	Direct Phosphorylation and Stabilization of MYC by Aurora B Kinase Promote T-cell Leukemogenesis. <i>Cancer Cell</i> , <b>2020</b> , 37, 200-215.e5	24.3	25
58	Zebrafish GAPDH can be used as a reference gene for expression analysis in cross-subfamily cloned embryos. <i>Analytical Biochemistry</i> , <b>2007</b> , 363, 291-3	3.1	25
57	Double transgenesis of humanized <i>fat1</i> and <i>fat2</i> genes promotes omega-3 polyunsaturated fatty acids synthesis in a zebrafish model. <i>Marine Biotechnology</i> , <b>2014</b> , 16, 580-93	3.4	24
56	Growth hormone gene transfer in common carp. <i>Aquatic Living Resources</i> , <b>2003</b> , 16, 416-420	1.5	23
55	Efficient ligase 3-dependent microhomology-mediated end joining repair of DNA double-strand breaks in zebrafish embryos. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2015</b> , 780, 86-96	3.3	22
54	Transcriptional factors <i>smad1</i> and <i>smad9</i> act redundantly to mediate zebrafish ventral specification downstream of <i>smad5</i> . <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 6604-6618	5.4	22

53	A second-generation genetic linkage map for bighead carp ( <i>Aristichthys nobilis</i> ) based on microsatellite markers. <i>Animal Genetics</i> , <b>2014</b> , 45, 699-708	2.5	21
52	Targeted expression in zebrafish primordial germ cells by Cre/loxP and Gal4/UAS systems. <i>Marine Biotechnology</i> , <b>2013</b> , 15, 526-39	3.4	20
51	Identification of differentially expressed genes between cloned and zygote-developing zebrafish ( <i>Danio rerio</i> ) embryos at the dome stage using suppression subtractive hybridization. <i>Biology of Reproduction</i> , <b>2009</b> , 80, 674-84	3.9	20
50	Characterization of cDNA encoding immunoglobulin light chain of the mandarin fish ( <i>Siniperca chuatsi</i> ). <i>Veterinary Immunology and Immunopathology</i> , <b>2003</b> , 95, 81-90	2	18
49	High efficient gene targeting in rice field eel <i>Monopterus albus</i> by transcription activator-like effector nucleases. <i>Science Bulletin</i> , <b>2017</b> , 62, 162-164	10.6	17
48	Activation of GH signaling and GH-independent stimulation of growth in zebrafish by introduction of a constitutively activated GHR construct. <i>Transgenic Research</i> , <b>2011</b> , 20, 557-67	3.3	17
47	Gnrh3 Regulates PGC Proliferation and Sex Differentiation in Developing Zebrafish. <i>Endocrinology</i> , <b>2020</b> , 161,	4.8	17
46	Identification of differentially expressed genes from the cross-subfamily cloned embryos derived from zebrafish nuclei and rare minnow enucleated eggs. <i>Theriogenology</i> , <b>2007</b> , 68, 1282-91	2.8	16
45	Fish genome manipulation and directional breeding. <i>Science China Life Sciences</i> , <b>2015</b> , 58, 170-7	8.5	15
44	Characterization of transgene integration pattern in F4 hGH-transgenic common carp ( <i>Cyprinus carpio</i> L.). <i>Cell Research</i> , <b>2005</b> , 15, 447-54	24.7	15
43	Deficiency of Irf4 in zebrafish and human LRP4 mutation induce aberrant activation of Jagged-Notch signaling in fin and limb development. <i>Cellular and Molecular Life Sciences</i> , <b>2019</b> , 76, 163-178	10.3	14
42	A Novel Dietary Source of EPA and DHA: Metabolic Engineering of an Important Freshwater Species-Common Carp by fat1-Transgenesis. <i>Marine Biotechnology</i> , <b>2019</b> , 21, 171-185	3.4	13
41	Evaluating estrogenic and anti-estrogenic effect of endocrine disrupting chemicals (EDCs) by zebrafish ( <i>Danio rerio</i> ) embryo-based vitellogenin 1 (vtg1) mRNA expression. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2018</b> , 204, 45-50	3.2	13
40	Marcksb plays a key role in the secretory pathway of zebrafish Bmp2b. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008306		12
39	Solid Matrix-Supported Supercritical CO <sub>2</sub> Enhances Extraction of $\alpha$ -Linolenic Acid from the Cyanobacterium ( <i>Spirulina</i> ) and Bioactivity Evaluation of the Molecule in Zebrafish. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	12
38	Depletion of suppressor of cytokine signaling-1a causes hepatic steatosis and insulin resistance in zebrafish. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 308, E849-59	6	12
37	Transcriptional Activity and DNA Methylation Dynamics of the Gal4/UAS System in Zebrafish. <i>Marine Biotechnology</i> , <b>2015</b> , 17, 593-603	3.4	12
36	Analysis of the APETALA3- and PISTILLATA-like genes in <i>Hedyosmum orientale</i> (Chloranthaceae) provides insight into the evolution of the floral homeotic B-function in angiosperms. <i>Annals of Botany</i> , <b>2013</b> , 112, 1239-51	4.1	12

35	Knock down of gfp and no tail expression in zebrafish embryo by in vivo-transcribed short hairpin RNA with T7 plasmid system. <i>Journal of Biomedical Science</i> , <b>2007</b> , 14, 767-76	13.3	12
34	Inhibition of no tail (ntl) gene expression in zebrafish by external guide sequence (EGS) technique. <i>Molecular Biology Reports</i> , <b>2008</b> , 35, 139-43	2.8	12
33	Identification and characterization of a novel gene differentially expressed in zebrafish cross-subfamily cloned embryos. <i>BMC Developmental Biology</i> , <b>2008</b> , 8, 29	3.1	12
32	Efficient generation of zebrafish maternal-zygotic mutants through transplantation of ectopically induced and Cas9/gRNA targeted primordial germ cells. <i>Journal of Genetics and Genomics</i> , <b>2020</b> , 47, 37-47		11
31	Cross-species cloning: influence of cytoplasmic factors on development. <i>Journal of Physiology</i> , <b>2014</b> , 592, 2375-9	3.9	11
30	Comparative expression of zebrafish lats1 and lats2 and their implication in gastrulation movements. <i>Developmental Dynamics</i> , <b>2009</b> , 238, 2850-9	2.9	10
29	Systematic genome editing of the genes on zebrafish Chromosome 1 by CRISPR/Cas9. <i>Genome Research</i> , <b>2019</b> ,	9.7	10
28	Elovl2 But Not Elovl5 Is Essential for the Biosynthesis of Docosahexaenoic Acid (DHA) in Zebrafish: Insight from a Comparative Gene Knockout Study. <i>Marine Biotechnology</i> , <b>2020</b> , 22, 613-619	3.4	10
27	Designing future farmed fishes using genome editing. <i>Science China Life Sciences</i> , <b>2019</b> , 62, 420-422	8.5	10
26	Stat3 Regulates Liver Progenitor Cell-Driven Liver Regeneration in Zebrafish. <i>Gene Expression</i> , <b>2018</b> , 18, 157-170	3.4	9
25	Sequences of transgene insertion sites in transgenic F4 common carp. <i>Transgenic Research</i> , <b>2004</b> , 13, 95-6	3.3	8
24	Molecular characterization of common carp ( <i>Cyprinus carpio</i> ) Sonic Hedgehog and discovery of its maternal expression. <i>Development Genes and Evolution</i> , <b>2007</b> , 217, 299-305	1.8	6
23	Identification of differential transcript profiles between mutual crossbred embryos of zebrafish ( <i>Danio rerio</i> ) and Chinese rare minnow ( <i>Gobiocypris rarus</i> ) by cDNA-AFLP. <i>Theriogenology</i> , <b>2008</b> , 70, 1525-35	2.8	5
22	Time course of foreign gene integration and expression in transgenic fish embryos. <i>Science Bulletin</i> , <b>2000</b> , 45, 734-739		5
21	Construction of cytoplasmic molecular markers distinguishing <i>Danio rerio</i> from <i>Gobiocypris rarus</i> at high identity domains based on MP-PCR strategy and Sybr Green I detection. <i>Molecular Biology Reports</i> , <b>2008</b> , 35, 45-50	2.8	4
20	Upstream regulatory region of zebrafish lunatic fringe: isolation and promoter analysis. <i>Marine Biotechnology</i> , <b>2006</b> , 8, 357-65	3.4	4
19	The onset of foreign gene transcription in nuclear-transferred embryos of fish. <i>Science in China Series C: Life Sciences</i> , <b>2000</b> , 43, 597-605		4
18	A critical role of foxp3a-positive regulatory T cells in maintaining immune homeostasis in zebrafish testis development. <i>Journal of Genetics and Genomics</i> , <b>2020</b> , 47, 547-561	4	4

17	Zebrafish Health Conditions in the China Zebrafish Resource Center and 20 Major Chinese Zebrafish Laboratories. <i>Zebrafish</i> , <b>2016</b> , 13 Suppl 1, S8-S18	2	4
16	Next-generation sequencing in thymic epithelial tumors uncovered novel genomic aberration sites and strong correlation between TMB and MSH6 single nucleotide variations. <i>Cancer Letters</i> , <b>2020</b> , 476, 75-86	9.9	3
15	Subtractive phage display technology identifies zebrafish marcksb that is required for gastrulation. <i>Gene</i> , <b>2013</b> , 521, 69-77	3.8	3
14	Cloning and characterization of cytochrome c oxidase subunit I (COXI) in <i>Gobiocypris rarus</i> . <i>DNA Sequence</i> , <b>2007</b> , 18, 1-8		3
13	Cloning, characterization and promoter analysis of common carp hairy/Enhancer-of-split-related gene, her6. <i>Journal of Genetics</i> , <b>2006</b> , 85, 171-8	1.2	3
12	Nanog safeguards early embryogenesis against global activation of maternal $\beta$ catenin activity by interfering with TCF factors. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000561	9.7	3
11	Surrogate production of genome-edited sperm from a different subfamily by spermatogonial stem cell transplantation. <i>Science China Life Sciences</i> , <b>2021</b> , 1	8.5	3
10	Cyp11a2 is essential for oocyte development and spermatogonial stem cell differentiation in zebrafish.. <i>Endocrinology</i> , <b>2021</b> ,	4.8	3
9	Identification of a novel gene K23 over-expressed in fish cross-subfamily cloned embryos. <i>Molecular Biology Reports</i> , <b>2009</b> , 36, 1375-80	2.8	2
8	MYC2-Activated Acetylates Cell Walls and Enhances Herbivore Resistance. <i>Plant Physiology</i> , <b>2020</b> , 184, 1083-1096	6.6	2
7	Cloning of rainbow trout ( <i>Oncorhynchus mykiss</i> ) histone H3 promoter and the activity analysis in rare minnow ( <i>Gobiocypris rarus</i> ). <i>Progress in Natural Science: Materials International</i> , <b>2004</b> , 14, 322-326	3.6	1
6	Manipulating and Visualizing the Germline with Transgenic Lines. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2218, 265-276	1.4	1
5	Nanog suppresses the expression of vasa by directly regulating nlk1 in the early zebrafish embryo. <i>Biochimie</i> , <b>2017</b> , 142, 93-101	4.6	0
4	Induction of biosynthesis of ketocarotenoid from $\beta$ carotene in fish embryos. <i>Aquaculture</i> , <b>2021</b> , 542, 736863	4.4	0
3	Cloning and analysis of 16 Rab genes from macronuclear DNA of <i>Euplotes octocarinatus</i> . <i>DNA Sequence</i> , <b>2005</b> , 16, 260-5		
2	A zebrafish ppar $\alpha$ gene deletion reveals a protein kinase network associated with defective lipid metabolism.. <i>Functional and Integrative Genomics</i> , <b>2022</b> , 1	3.8	
1	Sinhcaf-dependent histone deacetylation is essential for primordial germ cell specification.. <i>EMBO Reports</i> , <b>2022</b> , e54387	6.5	