

# Guang Jun Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

851  
citations

623734

14  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence that mechanisms of fin development evolved in the midline of early vertebrates. <i>Nature</i> , 2006, 442, 1033-1037.	27.8	183
2	Biphasic Hoxd Gene Expression in Shark Paired Fins Reveals an Ancient Origin of the Distal Limb Domain. <i>PLoS ONE</i> , 2007, 2, e754.	2.5	108
3	Lamprey type II collagen and Sox9 reveal an ancient origin of the vertebrate collagenous skeleton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3180-3185.	7.1	89
4	AMP-Activated Protein Kinase Directly Phosphorylates and Destabilizes Hedgehog Pathway Transcription Factor GLI1 in Medulloblastoma. <i>Cell Reports</i> , 2015, 12, 599-609.	6.4	73
5	Hagfish and lancelet fibrillar collagens reveal that type II collagen-based cartilage evolved in stem vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16829-16833.	7.1	67
6	Genome duplication and the origin of the vertebrate skeleton. <i>Current Opinion in Genetics and Development</i> , 2008, 18, 387-393.	3.3	43
7	Highly aneuploid zebrafish malignant peripheral nerve sheath tumors have genetic alterations similar to human cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16940-16945.	7.1	34
8	Comparative Oncogenomic Analysis of Copy Number Alterations in Human and Zebrafish Tumors Enables Cancer Driver Discovery. <i>PLoS Genetics</i> , 2013, 9, e1003734.	3.5	30
9	Ribosomal protein gene RPL9 variants can differentially impair ribosome function and cellular metabolism. <i>Nucleic Acids Research</i> , 2020, 48, 770-787.	14.5	28
10	Chapter 2 Evolution of Vertebrate Cartilage Development. <i>Current Topics in Developmental Biology</i> , 2009, 86, 15-42.	2.2	25
11	KANK1 inhibits cell growth by inducing apoptosis through regulating CXXC5 in human malignant peripheral nerve sheath tumors. <i>Scientific Reports</i> , 2017, 7, 40325.	3.3	23
12	Potassium Channel-Associated Bioelectricity of the Dermomyotome Determines Fin Patterning in Zebrafish. <i>Genetics</i> , 2020, 215, 1067-1084.	2.9	22
13	Dual degradation signals destruct GLI1: AMPK inhibits GLI1 through $\hat{I}^2$ -TrCP-mediated proteasome degradation. <i>Oncotarget</i> , 2017, 8, 49869-49881.	1.8	20
14	Evolutionary and developmental analysis reveals KANK genes were co-opted for vertebrate vascular development. <i>Scientific Reports</i> , 2016, 6, 27816.	3.3	18
15	Generating Stable Knockout Zebrafish Lines by Deleting Large Chromosomal Fragments Using Multiple gRNAs. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1029-1037.	1.8	14
16	IRF4 Modulates CD8+ T Cell Sensitivity to IL-2 Family Cytokines. <i>ImmunoHorizons</i> , 2017, 1, 92-100.	1.8	11
17	Adenoviral E4 34K protein interacts with virus packaging components and may serve as the putative portal. <i>Scientific Reports</i> , 2017, 7, 7582.	3.3	10
18	A robust and flexible CRISPR/Cas9-based system for neutrophil-specific gene inactivation in zebrafish. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	8

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19	Visualization of Cellular Electrical Activity in Zebrafish Early Embryos and Tumors. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	7
20	Activation of AMPK sensitizes medulloblastoma to Vismodegib and overcomes Vismodegibâ€™resistance. <i>FASEB BioAdvances</i> , 2021, 3, 459-469.	2.4	7
21	Phylogenetic and developmental analyses indicate complex functions of <scp>calciumâ€™activated</scp> potassium channels in zebrafish embryonic development. <i>Developmental Dynamics</i> , 2021, 250, 1477-1493.	1.8	5
22	Evolution of inwardly rectifying potassium channels and their gene expression in zebrafish embryos. <i>Developmental Dynamics</i> , 2022, 251, 687-713.	1.8	5
23	Molecular ontogeny of the stomach in the catshark <i>Scyliorhinus canicula</i> . <i>Scientific Reports</i> , 2019, 9, 586.	3.3	4
24	Molecular Evolution of MDM1, a â€™Duplication-Resistantâ€™Gene in Vertebrates. <i>PLoS ONE</i> , 2016, 11, e0163229.	2.5	4
25	Identification of RECK as an evolutionarily conserved tumor suppressor gene for zebrafish malignant peripheral nerve sheath tumors. <i>Oncotarget</i> , 2018, 9, 23494-23504.	1.8	4
26	Loss of smarcad1a accelerates tumorigenesis of malignant peripheral nerve sheath tumors in zebrafish. <i>Genes Chromosomes and Cancer</i> , 2021, 60, 743-761.	2.8	3
27	Phylooncogenomics: Examining the cancer genome in the context of vertebrate evolution. <i>Applied &amp; Translational Genomics</i> , 2013, 2, 48-54.	2.1	2
28	New Insight into Cancer Aneuploidy in Zebrafish. <i>International Review of Cell and Molecular Biology</i> , 2015, 314, 149-170.	3.2	2