

# Su Guo

## List of Publications by Year in descending order

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66  
papers

4,709  
citations

201674

27  
h-index

118850

62  
g-index

72  
all docs

72  
docs citations

72  
times ranked

4797  
citing authors

#	ARTICLE	IF	CITATIONS
1	par-1, a gene required for establishing polarity in <i>C. elegans</i> embryos, encodes a putative Ser/Thr kinase that is asymmetrically distributed. <i>Cell</i> , 1995, 81, 611-620.	28.9	999
2	Asymmetrically distributed PAR-3 protein contributes to cell polarity and spindle alignment in early <i>C. elegans</i> embryos. <i>Cell</i> , 1995, 83, 743-752.	28.9	387
3	Sensitivity of zebrafish to environmental toxins implicated in Parkinson's disease. <i>Neurotoxicology and Teratology</i> , 2004, 26, 857-864.	2.4	253
4	The dorsal pallium in zebrafish, <i>Danio rerio</i> (Cyprinidae, Teleostei). <i>Brain Research</i> , 2011, 1381, 95-105.	2.2	223
5	Development of Noradrenergic Neurons in the Zebrafish Hindbrain Requires BMP, FGF8, and the Homeodomain Protein Soulless/Phox2a. <i>Neuron</i> , 1999, 24, 555-566.	8.1	207
6	Mutations in the Zebrafish Unmask Shared Regulatory Pathways Controlling the Development of Catecholaminergic Neurons. <i>Developmental Biology</i> , 1999, 208, 473-487.	2.0	200
7	Acute effects of alcohol on larval zebrafish: a genetic system for large-scale screening. <i>Pharmacology Biochemistry and Behavior</i> , 2004, 77, 647-654.	2.9	198
8	Identification of a brain center whose activity discriminates a choice behavior in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2581-2586.	7.1	175
9	PINK1 and Parkin Control Localized Translation of Respiratory Chain Component mRNAs on Mitochondria Outer Membrane. <i>Cell Metabolism</i> , 2015, 21, 95-108.	16.2	175
10	A regulator of transcriptional elongation controls vertebrate neuronal development. <i>Nature</i> , 2000, 408, 366-369.	27.8	153
11	Molecular genetics of asymmetric cleavage in the early <i>Caenorhabditis elegans</i> embryo. <i>Current Opinion in Genetics and Development</i> , 1996, 6, 408-415.	3.3	142
12	Using zebrafish to assess the impact of drugs on neural development and function. <i>Expert Opinion on Drug Discovery</i> , 2009, 4, 715-726.	5.0	134
13	Intralineage Directional Notch Signaling Regulates Self-Renewal and Differentiation of Asymmetrically Dividing Radial Glia. <i>Neuron</i> , 2012, 74, 65-78.	8.1	119
14	Use of zebrafish as a model to understand mechanisms of addiction and complex neurobehavioral phenotypes. <i>Neurobiology of Disease</i> , 2010, 40, 66-72.	4.4	115
15	Identification of environmental stressors and validation of light preference as a measure of anxiety in larval zebrafish. <i>BMC Neuroscience</i> , 2016, 17, 63.	1.9	79
16	Neurogenin1 is a determinant of zebrafish basal forebrain dopaminergic neurons and is regulated by the conserved zinc finger protein Tof/Fezl. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5143-5148.	7.1	78
17	Patterning the zebrafish diencephalon by the conserved zinc-finger protein Fezl. <i>Development (Cambridge)</i> , 2007, 134, 127-136.	2.5	73
18	Preference for ethanol in zebrafish following a single exposure. <i>Behavioural Brain Research</i> , 2011, 217, 128-133.	2.2	71

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19	Multiple convergent hypothalamus-brainstem circuits drive defensive behavior. <i>Nature Neuroscience</i> , 2020, 23, 959-967.	14.8	66
20	A systematic approach to identify functional motifs within vertebrate developmental enhancers. <i>Developmental Biology</i> , 2010, 337, 484-495.	2.0	64
21	Ethanol-Modulated Camouflage Response Screen in Zebrafish Uncovers a Novel Role for cAMP and Extracellular Signal-Regulated Kinase Signaling in Behavioral Sensitivity to Ethanol. <i>Journal of Neuroscience</i> , 2009, 29, 8408-8418.	3.6	53
22	Role of the endocannabinoid system in vertebrates: Emphasis on the zebrafish model. <i>Development Growth and Differentiation</i> , 2017, 59, 194-210.	1.5	53
23	Transcriptional Enhancers in Protein-Coding Exons of Vertebrate Developmental Genes. <i>PLoS ONE</i> , 2012, 7, e35202.	2.5	50
24	The Importance of Being Cis: Evolution of Orthologous Fish and Mammalian Enhancer Activity. <i>Molecular Biology and Evolution</i> , 2010, 27, 2322-2332.	8.9	47
25	Covalent Modification and Regulation of the Nuclear Receptor Nurr1 by a Dopamine Metabolite. <i>Cell Chemical Biology</i> , 2019, 26, 674-685.e6.	5.2	41
26	Corticotropin-Releasing Factor Critical for Zebrafish Camouflage Behavior Is Regulated by Light and Sensitive to Ethanol. <i>Journal of Neuroscience</i> , 2011, 31, 214-224.	3.6	40
27	Identification of Spt5 Target Genes in Zebrafish Development Reveals Its Dual Activity In Vivo. <i>PLoS ONE</i> , 2008, 3, e3621.	2.5	34
28	Fezf2 Regulates Multilineage Neuronal Differentiation through Activating Basic Helix-Loop-Helix and Homeodomain Genes in the Zebrafish Ventral Forebrain. <i>Journal of Neuroscience</i> , 2012, 32, 10940-10948.	3.6	30
29	Inefficient quality control of ribosome stalling during APP synthesis generates CAT-tailed species that precipitate hallmarks of Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2021, 9, 169.	5.2	28
30	Heterogeneously Expressed <i>fezf2</i> Patterns Gradient Notch Activity in Balancing the Quiescence, Proliferation, and Differentiation of Adult Neural Stem Cells. <i>Journal of Neuroscience</i> , 2014, 34, 13911-13923.	3.6	27
31	Rational design of a monomeric and photostable far-red fluorescent protein for fluorescence imaging <i>in vivo</i> . <i>Protein Science</i> , 2016, 25, 308-315.	7.6	27
32	Mechanisms Linking Mitochondrial Dysfunction and Proteostasis Failure. <i>Trends in Cell Biology</i> , 2020, 30, 317-328.	7.9	27
33	Repression of RNA Polymerase II Elongation In Vivo Is Critically Dependent on the C-Terminus of Spt5. <i>PLoS ONE</i> , 2009, 4, e6918.	2.5	24
34	<i>fezf2</i> expression delineates cells with proliferative potential and expressing markers of neural stem cells in the adult zebrafish brain. <i>Gene Expression Patterns</i> , 2009, 9, 411-422.	0.8	24
35	Zebrafish Chemical Screening Reveals the Impairment of Dopaminergic Neuronal Survival by Cardiac Glycosides. <i>PLoS ONE</i> , 2012, 7, e35645.	2.5	24
36	Stable Gene Silencing in Zebrafish with Spatiotemporally Targetable RNA Interference. <i>Genetics</i> , 2013, 193, 1065-1071.	2.9	23

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37	MicroRNA-133b Negatively Regulates Zebrafish Single Mauthner-Cell Axon Regeneration through Targeting tppp3 in Vivo. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 375.	2.9	22
38	A zebrafish screen reveals Renin-angiotensin system inhibitors as neuroprotective via mitochondrial restoration in dopamine neurons. <i>ELife</i> , 2021, 10, .	6.0	21
39	Genomic Selection Identifies Vertebrate Transcription Factor Fezf2 Binding Sites and Target Genes. <i>Journal of Biological Chemistry</i> , 2011, 286, 18641-18649.	3.4	18
40	Toward molecular genetic dissection of neural circuits for emotional and motivational behaviors. <i>Developmental Neurobiology</i> , 2012, 72, 358-365.	3.0	17
41	Regulation of Neurogenesis in Mouse Brain by HMGB1. <i>Cells</i> , 2020, 9, 1714.	4.1	17
42	cneViewer: a database of conserved non-coding elements for studies of tissue-specific gene regulation. <i>Bioinformatics</i> , 2008, 24, 2418-2419.	4.1	16
43	Existence and functions of a kisspeptin neuropeptide signaling system in a non-chordate deuterostome species. <i>ELife</i> , 2020, 9, .	6.0	14
44	Heritable natural variation of an anxiety-like behavior in larval zebrafish. <i>Journal of Neurogenetics</i> , 2017, 31, 138-148.	1.4	13
45	Polarized endosome dynamics engage cytoplasmic Par-3 that recruits dynein during asymmetric cell division. <i>Science Advances</i> , 2021, 7, .	10.3	10
46	A novel <i>PRRT2</i> pathogenic variant in a family with paroxysmal kinesigenic dyskinesia and benign familial infantile seizures. <i>Journal of Physical Education and Sports Management</i> , 2018, 4, a002287.	1.2	9
47	A High-Content Larval Zebrafish Brain Imaging Method for Small Molecule Drug Discovery. <i>PLoS ONE</i> , 2016, 11, e0164645.	2.5	9
48	Time-lapse Live Imaging of Clonally Related Neural Progenitor Cells in the Developing Zebrafish Forebrain. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	8
49	Synergistic contribution of SMAD signaling blockade and high localized cell density in the differentiation of neuroectoderm from H9 cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 895-900.	2.1	7
50	Brain-wide perception of the emotional valence of light is regulated by distinct hypothalamic neurons. <i>Molecular Psychiatry</i> , 2022, 27, 3777-3793.	7.9	7
51	Heritable natural variation of light/dark preference in an outbred zebrafish population. <i>Journal of Neurogenetics</i> , 2019, 33, 199-208.	1.4	6
52	The effect of renin-angiotensin-aldosterone system inhibitors on organ-specific ace2 expression in zebrafish and its implications for COVID-19. <i>Scientific Reports</i> , 2021, 11, 23670.	3.3	6
53	Chapter 2.1.8 Mutagenesis in zebra fish: studying the brain dopamine systems. <i>Handbook of Behavioral Neuroscience</i> , 1999, , 166-176.	0.0	5
54	Larval zebrafish display dynamic learning of aversive stimuli in a constant visual surrounding. <i>Learning and Memory</i> , 2021, 28, 228-238.	1.3	5

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55	THC-induced behavioral stereotypy in zebrafish as a model of psychosis-like behavior. Scientific Reports, 2021, 11, 15693.	3.3	5
56	The psychoactive effects of Bryophyllum pinnatum (Lam.) Oken leaves in young zebrafish. PLoS ONE, 2022, 17, e0264987.	2.5	5
57	In Vivo Dopamine Neuron Imaging-Based Small Molecule Screen Identifies Novel Neuroprotective Compounds and Targets. Frontiers in Pharmacology, 2022, 13, 837756.	3.5	4
58	Antibody Uptake Assay in the Embryonic Zebrafish Forebrain to Study Notch Signaling Dynamics in Neural Progenitor Cells In Vivo. Methods in Molecular Biology, 2017, 1576, 273-281.	0.9	3
59	Transfection of exogenous DNA complexed to cationic dendrimer induces alterations of bovine sperm microRNAome. Theriogenology, 2020, 156, 11-19.	2.1	3
60	Colocalization Analysis for Cryosectioned and Immunostained Tissue Samples with or without Label Retention Expansion Microscopy (LR-ExM) by JACoP. Bio-protocol, 2022, 12, e4336.	0.4	3
61	Zebrafish: from genes and neurons to circuits, behavior and disease. Journal of Neurogenetics, 2017, 31, 59-60.	1.4	2
62	Molecular genetic approaches to dissect complex behaviors in zebrafish. , 2020, , 223-244.		2
63	High activity and high functional connectivity are mutually exclusive in resting state zebrafish and human brains. BMC Biology, 2022, 20, 84.	3.8	2
64	Autism-Risk Gene necab2 Regulates Psychomotor and Social Behavior as a Neuronal Modulator of mGluR1 Signaling. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	2
65	Animal Models for Anxiety Disorders. , 2008, , 203-216.		1
66	Systematic Screens in Zebrafish Shed Light on Cellular and Molecular Mechanisms of Complex Brain Phenotypes. , 2018, , 385-400.		1