Jason W Sinclair

List of Publications by Year
in descending order

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61	7,977	94433 37	118850 62
papers	citations	h-index	g-index

63	63	63	10529
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Darwinian genomics and diversity in the tree of life. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	19
2	Chondroitin/dermatan sulfate glycosyltransferase genes are essential for craniofacial development. PLoS Genetics, 2022, 18, e1010067.	3.5	2
3	Large-scale generation and phenotypic characterization of zebrafish CRISPR mutants of DNA repair genes. DNA Repair, 2021, 107, 103173.	2.8	13
4	The Warburg effect is necessary to promote glycosylation in the blastema during zebrafish tail regeneration. Npj Regenerative Medicine, 2021, 6, 55.	5.2	28
5	Suppressing STAT3 activity protects the endothelial barrier from VEGF-mediated vascular permeability. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	31
6	Somatic Mutations in UBA1 and Severe Adult-Onset Autoinflammatory Disease. New England Journal of Medicine, 2020, 383, 2628-2638.	27.0	580
7	Amyloid precursor protein-b facilitates cell adhesion during early development in zebrafish. Scientific Reports, 2020, 10, 10127.	3.3	18
8	A subset of SMN complex members have a specific role in tissue regeneration via ERBB pathway-mediated proliferation. Npj Regenerative Medicine, 2020, 5, 6.	5.2	11
9	Building the vertebrate codex using the gene breaking protein trap library. ELife, 2020, 9, .	6.0	11
10	De novo assembly of the goldfish (Carassius auratus) genome and the evolution of genes after whole-genome duplication. Science Advances, 2019, 5, eaav0547.	10.3	182
11	A model for reticular dysgenesis shows impaired sensory organ development and hair cell regeneration linked to cellular stress. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	4
12	Modeling Niemann-Pick disease type C1 in zebrafish: a robust platform for in vivo screening of candidate therapeutic compounds. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	38
13	Guided genetic screen to identify genes essential in the regeneration of hair cells and other tissues. Npj Regenerative Medicine, 2018, 3, 11.	5.2	42
14	Highly Efficient Cpf1-Mediated Gene Targeting in Mice Following High Concentration Pronuclear Injection. G3: Genes, Genomes, Genetics, 2017, 7, 719-722.	1.8	25
15	Loci associated with skin pigmentation identified in African populations. Science, 2017, 358, .	12.6	260
16	Advancing toxicology research using in vivo high throughput toxicology with small fish models. ALTEX: Alternatives To Animal Experimentation, 2016, 33, 435-452.	1.5	48
17	Questions about NgAgo. Protein and Cell, 2016, 7, 913-915.	11.0	24
18	A high-throughput functional genomics workflow based on CRISPR/Cas9-mediated targeted mutagenesis in zebrafish. Nature Protocols, 2016, 11, 2357-2375.	12.0	185

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19	A matched set of frog sequences. Nature, 2016, 538, 320-321.	27.8	4
20	Extracellular HSP60 triggers tissue regeneration and wound healing by regulating inflammation and cell proliferation. Npj Regenerative Medicine, 2016, 1, .	5.2	61
21	Genotoxicity in Mice Following AAV Gene Delivery: A Safety Concern for Human Gene Therapy?. Molecular Therapy, 2016, 24, 198-201.	8.2	44
22	CRISPRz: a database of zebrafish validated sgRNAs. Nucleic Acids Research, 2016, 44, D822-D826.	14.5	53
23	A 3D Searchable Database of Transgenic Zebrafish Gal4 and Cre Lines for Functional Neuroanatomy Studies. Frontiers in Neural Circuits, 2015, 9, 78.	2.8	133
24	Mutagenesis Screen Identifies agtpbp1 and eps15L1 as Essential for T lymphocyte Development in Zebrafish. PLoS ONE, 2015, 10, e0131908.	2.5	14
25	High-throughput gene targeting and phenotyping in zebrafish using CRISPR/Cas9. Genome Research, 2015, 25, 1030-1042.	5.5	458
26	Phenotype-driven chemical screening in zebrafish for compounds that inhibit collective cell migration identifies multiple pathways potentially involved in metastatic invasion. DMM Disease Models and Mechanisms, 2015, 8, 565-576.	2.4	47
27	Multiplex Conditional Mutagenesis Using Transgenic Expression of Cas9 and sgRNAs. Genetics, 2015, 200, 431-441.	2.9	128
28	CRISPR-STAT: an easy and reliable PCR-based method to evaluate target-specific sgRNA activity. Nucleic Acids Research, 2015, 43, e157-e157.	14.5	126
29	Long-Term Correction of Sandhoff Disease Following Intravenous Delivery of rAAV9 to Mouse Neonates. Molecular Therapy, 2015, 23, 414-422.	8.2	64
30	Understanding and Editing the Zebrafish Genome. Advances in Genetics, 2015, 92, 1-52.	1.8	79
31	Vector design influences hepatic genotoxicity after adeno-associated virus gene therapy. Journal of Clinical Investigation, 2015, 125, 870-880.	8.2	287
32	MLV integration site selection is driven by strong enhancers and active promoters. Nucleic Acids Research, 2014, 42, 4257-4269.	14.5	93
33	A Defined Zebrafish Line for High-Throughput Genetics and Genomics: NHGRI-1. Genetics, 2014, 198, 167-170.	2.9	99
34	CaMK-II activation is essential for zebrafish inner ear development and acts through Deltaâ€“Notch signaling. Developmental Biology, 2013, 381, 179-188.	2.0	21
35	A large-scale zebrafish gene knockout resource for the genome-wide study of gene function. Genome Research, 2013, 23, 727-735.	5.5	105
36	The stat3/socs3a Pathway Is a Key Regulator of Hair Cell Regeneration in Zebrafish stat3/socs3a Pathway: Regulator of Hair Cell Regeneration. Journal of Neuroscience, 2012, 32, 10662-10673.	3.6	93

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37	The changing conditions of zebrafish mutants: Fig. 1.. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15082-15083.	7.1	1
38	Retroviral-mediated Insertional Mutagenesis in Zebrafish. Methods in Cell Biology, 2011, 104, 59-82.	1.1	21
39	Sequencing-based Expression Profiling in Zebrafish. Methods in Cell Biology, 2011, 104, 379-399.	1.1	1
40	Discovery and Characterization of Novel Vascular and Hematopoietic Genes Downstream of Etsrp in Zebrafish. PLoS ONE, 2009, 4, e4994.	2.5	45
41	Phoenix Is Required for Mechanosensory Hair Cell Regeneration in the Zebrafish Lateral Line. PLoS Genetics, 2009, 5, e1000455.	3.5	67
42	Expression profiling identifies novel Hh/Gli-regulated genes in developing zebrafish embryos. Genomics, 2008, 91, 165-177.	2.9	22
43	Genome wide screens in yeast to identify potential binding sites and target genes of DNA-binding proteins. Nucleic Acids Research, 2008, 36, e8-e8.	14.5	24
44	Using retroviruses as a mutagenesis tool to explore the zebrafish genome. Briefings in Functional Genomics & Proteomics, 2008, 7, 427-443.	3.8	29
45	Species-specific endogenous retroviruses shape the transcriptional network of the human tumor suppressor protein p53. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18613-18618.	7.1	364
46	Efficient genome-wide mutagenesis of zebrafish genes by retroviral insertions. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12428-12433.	7.1	113
47	The Tip-Link Antigen, a Protein Associated with the Transduction Complex of Sensory Hair Cells, Is Protocadherin-15. Journal of Neuroscience, 2006, 26, 7022-7034.	3.6	258
48	Functional Analyses of Glycyl-tRNA Synthetase Mutations Suggest a Key Role for tRNA-Charging Enzymes in Peripheral Axons. Journal of Neuroscience, 2006, 26, 10397-10406.	3.6	112
49	The Forkhead Transcription Factor Foxl1 Remains Bound to Condensed Mitotic Chromosomes and Stably Remodels Chromatin Structure. Molecular and Cellular Biology, 2006, 26, 155-168.	2.3	80
50	Large-Scale Molecular Characterization of Adeno-Associated Virus Vector Integration in Mouse Liver. Journal of Virology, 2005, 79, 3606-3614.	3.4	164
51	Weak Palindromic Consensus Sequences Are a Common Feature Found at the Integration Target Sites of Many Retroviruses. Journal of Virology, 2005, 79, 5211-5214.	3.4	145
52	High-Resolution Genome-Wide Mapping of Transposon Integration in Mammals. Molecular and Cellular Biology, 2005, 25, 2085-2094.	2.3	298
53	The zebrafish gene claudinj is essential for normal ear function and important for the formation of the otoliths. Mechanisms of Development, 2005, 122, 949-958.	1.7	34
54	Transgenic zebrafish produced by retroviral infection of in vitro-cultured sperm. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1263-1267.	7.1	70

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55	Mmm2p, a mitochondrial outer membrane protein required for yeast mitochondrial shape and maintenance of mtDNA nucleoids. Journal of Cell Biology, 2004, 164, 677-688.	5.2	136
56	Oculofaciocardiodental and Lenz microphthalmia syndromes result from distinct classes of mutations in BCOR. Nature Genetics, 2004, 36, 411-416.	21.4	272
57	Transcription Start Regions in the Human Genome Are Favored Targets for MLV Integration. Science, 2003, 300, 1749-1751.	12.6	1,236
58	High-Throughput Selection of Retrovirus Producer Cell Lines Leads to Markedly Improved Efficiency of Germ Line-Transmissible Insertions in Zebra Fish. Journal of Virology, 2002, 76, 2192-2198.	3.4	85
59	Insertional mutagenesis in zebrafish rapidly identifies genes essential for early vertebrate development. Nature Genetics, 2002, 31, 135-140.	21.4	522
60	Use of pseudotyped retroviruses in zebrafish as genetic tags. Methods in Enzymology, 2000, 327, 145-161.	1.0	5
61	A large-scale insertional mutagenesis screen in zebrafish. Genes and Development, 1999, 13, 2713-2724.	5.9	440