# Jason W Sinclair

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7730087/publications.pdf

Version: 2024-02-01

| 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 | Transcription Start Regions in the Human Genome Are Favored Targets for MLV Integration. Science, 2003, 300, 1749-1751. | 12.6 | 1,236 |
| 2 | Somatic Mutations in UBA1 and Severe Adult-Onset Autoinflammatory Disease. New England Journal of Medicine, 2020, 383, 2628-2638. | 27.0 | 580 |
| 3 | Insertional mutagenesis in zebrafish rapidly identifies genes essential for early vertebrate development. Nature Genetics, 2002, 31, 135-140. | 21.4 | 522 |
| 4 | High-throughput gene targeting and phenotyping in zebrafish using CRISPR/Cas9. Genome Research, 2015, 25, 1030-1042. | 5.5 | 458 |
| 5 | A large-scale insertional mutagenesis screen in zebrafish. Genes and Development, 1999, 13, 2713-2724. | 5.9 | 440 |
| 6 | 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 |
| 7 | High-Resolution Genome-Wide Mapping of Transposon Integration in Mammals. Molecular and Cellular Biology, 2005, 25, 2085-2094. | 2.3 | 298 |
| 8 | Vector design influences hepatic genotoxicity after adeno-associated virus gene therapy. Journal of Clinical Investigation, 2015, 125, 870-880. | 8.2 | 287 |
| 9 | Oculofaciocardiodental and Lenz microphthalmia syndromes result from distinct classes of mutations in BCOR. Nature Genetics, 2004, 36, 411-416. | 21.4 | 272 |
| 10 | Loci associated with skin pigmentation identified in African populations. Science, 2017, 358, . | 12.6 | 260 |
| 11 | 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 |
| 12 | A high-throughput functional genomics workflow based on CRISPR/Cas9-mediated targeted mutagenesis in zebrafish. Nature Protocols, 2016, 11, 2357-2375. | 12.0 | 185 |
| 13 | 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 |
| 14 | Large-Scale Molecular Characterization of Adeno-Associated Virus Vector Integration in Mouse Liver. Journal of Virology, 2005, 79, 3606-3614. | 3.4 | 164 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | Multiplex Conditional Mutagenesis Using Transgenic Expression of Cas9 and sgRNAs. Genetics, 2015, 200, 431-441. | 2.9 | 128 |

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|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | A large-scale zebrafish gene knockout resource for the genome-wide study of gene function. Genome Research, 2013, 23, 727-735. | 5.5 | 105 |
| 23 | A Defined Zebrafish Line for High-Throughput Genetics and Genomics: NHGRI-1. Genetics, 2014, 198, 167-170. | 2.9 | 99 |
| 24 | 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 |
| 25 | MLV integration site selection is driven by strong enhancers and active promoters. Nucleic Acids Research, 2014, 42, 4257-4269. | 14.5 | 93 |
| 26 | 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 |
| 27 | 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 |
| 28 | Understanding and Editing the Zebrafish Genome. Advances in Genetics, 2015, 92, 1-52. | 1.8 | 79 |
| 29 | 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 |
| 30 | Phoenix Is Required for Mechanosensory Hair Cell Regeneration in the Zebrafish Lateral Line. PLoS Genetics, 2009, 5, e1000455. | 3.5 | 67 |
| 31 | Long-Term Correction of Sandhoff Disease Following Intravenous Delivery of rAAV9 to Mouse Neonates. Molecular Therapy, 2015, 23, 414-422. | 8.2 | 64 |
| 32 | Extracellular HSP60 triggers tissue regeneration and wound healing by regulating inflammation and cell proliferation. Npj Regenerative Medicine, 2016, 1, . | 5.2 | 61 |
| 33 | CRISPRz: a database of zebrafish validated sgRNAs. Nucleic Acids Research, 2016, 44, D822-D826. | 14.5 | 53 |
| 34 | 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 |
| 35 | 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 |
| 36 | Discovery and Characterization of Novel Vascular and Hematopoietic Genes Downstream of Etsrp in Zebrafish. PLoS ONE, 2009, 4, e4994. | 2.5 | 45 |

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|---|---|---|---|
| 37 | Genotoxicity in Mice Following AAV Gene Delivery: A Safety Concern for Human Gene Therapy?. Molecular Therapy, 2016, 24, 198-201. | 8.2 | 44 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | Suppressing STAT3 activity protects the endothelial barrier from VEGF-mediated vascular permeability. DMM Disease Models and Mechanisms, 2021, 14, . | 2.4 | 31 |
| 42 | Using retroviruses as a mutagenesis tool to explore the zebrafish genome. Briefings in Functional Genomics & Proteomics, 2008, 7, 427-443. | 3.8 | 29 |
| 43 | The Warburg effect is necessary to promote glycosylation in the blastema during zebrafish tail regeneration. Npj Regenerative Medicine, 2021, 6, 55. | 5.2 | 28 |
| 44 | Highly Efficient Cpf1-Mediated Gene Targeting in Mice Following High Concentration Pronuclear Injection. G3: Genes, Genomes, Genetics, 2017, 7, 719-722. | 1.8 | 25 |
| 45 | 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 |
| 46 | Questions about NgAgo. Protein and Cell, 2016, 7, 913-915. | 11.0 | 24 |
| 47 | Expression profiling identifies novel Hh/Gli-regulated genes in developing zebrafish embryos. Genomics, 2008, 91, 165-177. | 2.9 | 22 |
| 48 | Retroviral-mediated Insertional Mutagenesis in Zebrafish. Methods in Cell Biology, 2011, 104, 59-82. | 1.1 | 21 |
| 49 | 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 |
| 50 | 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 |
| 51 | Amyloid precursor protein-b facilitates cell adhesion during early development in zebrafish. Scientific Reports, 2020, 10, 10127. | 3.3 | 18 |
| 52 | Mutagenesis Screen Identifies agtpbp1 and eps15L1 as Essential for T lymphocyte Development in Zebrafish. PLoS ONE, 2015, 10, e0131908. | 2.5 | 14 |
| 53 | Large-scale generation and phenotypic characterization of zebrafish CRISPR mutants of DNA repair genes. DNA Repair, 2021, 107, 103173. | 2.8 | 13 |
| 54 | 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 |

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|---|---|---|---|
| 55 | Building the vertebrate codex using the gene breaking protein trap library. ELife, 2020, 9, . | 6.0 | 11 |
| 56 | Use of pseudotyped retroviruses in zebrafish as genetic tags. Methods in Enzymology, 2000, 327, 145-161. | 1.0 | 5 |
| 57 | A matched set of frog sequences. Nature, 2016, 538, 320-321. | 27.8 | 4 |
| 58 | 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 |
| 59 | Chondroitin/dermatan sulfate glycosyltransferase genes are essential for craniofacial development. PLoS Genetics, 2022, 18, e1010067. | 3.5 | 2 |
| 60 | Sequencing-based Expression Profiling in Zebrafish. Methods in Cell Biology, 2011, 104, 379-399. | 1.1 | 1 |
| 61 | 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 |