

# Alvin C H

## List of Publications by Year in descending order

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29  
papers

2,361  
citations

471509

17  
h-index

526287

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

4443  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo genome editing using a high-efficiency TALEN system. <i>Nature</i> , 2012, 491, 114-118.	27.8	849
2	Mojo Hand, a TALEN design tool for genome editing applications. <i>BMC Bioinformatics</i> , 2013, 14, 1.	2.6	649
3	Sorafenib treatment of FLT3-ITD+ acute myeloid leukemia: favorable initial outcome and mechanisms of subsequent nonresponsiveness associated with the emergence of a D835 mutation. <i>Blood</i> , 2012, 119, 5133-5143.	1.4	258
4	Robust activation of microhomology-mediated end joining for precision gene editing applications. <i>PLoS Genetics</i> , 2018, 14, e1007652.	3.5	57
5	The role of jak2a in zebrafish hematopoiesis. <i>Blood</i> , 2007, 110, 1824-1830.	1.4	56
6	High Efficiency In Vivo Genome Engineering with a Simplified 15-RVD GoldyTALEN Design. <i>PLoS ONE</i> , 2013, 8, e65259.	2.5	55
7	Functions of flt3 in zebrafish hematopoiesis and its relevance to human acute myeloid leukemia. <i>Blood</i> , 2014, 123, 2518-2529.	1.4	51
8	FusX: A Rapid One-Step Transcription Activator-Like Effector Assembly System for Genome Science. <i>Human Gene Therapy</i> , 2016, 27, 451-463.	2.7	44
9	Post-genome wide association studies and functional analyses identify association of MPP7 gene variants with site-specific bone mineral density. <i>Human Molecular Genetics</i> , 2012, 21, 1648-1657.	2.9	39
10	CFTR mediates bicarbonate-dependent activation of miR-125b in preimplantation embryo development. <i>Cell Research</i> , 2012, 22, 1453-1466.	12.0	36
11	A novel zebrafish jak2aV581F model shared features of human JAK2V617F polycythemia vera. <i>Experimental Hematology</i> , 2009, 37, 1379-1386.e4.	0.4	31
12	1-phenyl 2-thiourea (PTU) activates autophagy in zebrafish embryos. <i>Autophagy</i> , 2021, 17, 1222-1231.	9.1	27
13	A DEAB-sensitive aldehyde dehydrogenase regulates hematopoietic stem and progenitor cells development during primitive hematopoiesis in zebrafish embryos. <i>Leukemia</i> , 2010, 24, 2090-2099.	7.2	24
14	Functions of idh1 and its mutation in the regulation of developmental hematopoiesis in zebrafish. <i>Blood</i> , 2015, 125, 2974-2984.	1.4	23
15	TALEN-Mediated Mutagenesis and Genome Editing. <i>Methods in Molecular Biology</i> , 2016, 1451, 17-30.	0.9	22
16	Metformin accelerates zebrafish heart regeneration by inducing autophagy. <i>Npj Regenerative Medicine</i> , 2021, 6, 62.	5.2	22
17	Methionine aminopeptidase 2 is required for HSC initiation and proliferation. <i>Blood</i> , 2011, 118, 5448-5457.	1.4	20
18	Characterization of Sry-related HMG box group F genes in zebrafish hematopoiesis. <i>Experimental Hematology</i> , 2011, 39, 986-998.e5.	0.4	17

#	ARTICLE	IF	CITATIONS
19	Integrating Functional Analysis in the Next-Generation Sequencing Diagnostic Pipeline of RASopathies. Scientific Reports, 2018, 8, 2421.	3.3	17
20	The role of survivin2 in primitive hematopoiesis during zebrafish development. Leukemia, 2009, 23, 712-720.	7.2	16
21	Follistatin is a novel therapeutic target and biomarker in <scp>FLT</scp> 3/ <scp>ITD</scp> acute myeloid leukemia. EMBO Molecular Medicine, 2020, 12, e10895.	6.9	14
22	The role of phospholipase C gamma 1 in primitive hematopoiesis during zebrafish development. Experimental Hematology, 2007, 35, 368-373.	0.4	13
23	Leukocyte invasion of the brain after peripheral trauma in zebrafish (Danio rerio). Experimental and Molecular Medicine, 2022, 54, 973-987.	7.7	7
24	Function of Arl4aa in the Initiation of Hematopoiesis in Zebrafish by Maintaining Golgi Complex Integrity in Hemogenic Endothelium. Stem Cell Reports, 2020, 14, 575-589.	4.8	4
25	Monoallelic Mutations in <i>CC2D1A</i> Suggest a Novel Role in Human Heterotaxy and Ciliary Dysfunction. Circulation Genomic and Precision Medicine, 2020, 13, e003000.	3.6	4
26	Fishing the targets of myeloid malignancies in the era of next generation sequencing. Blood Reviews, 2016, 30, 119-130.	5.7	3
27	A Zebrafish Model for Evaluating the Function of Human Leukemic Gene IDH1 and Its Mutation. Methods in Molecular Biology, 2017, 1633, 193-218.	0.9	2
28	Modeling Tumor Angiogenesis with Zebrafish. , 2011, , .		1
29	The Role of Survivin in Angiogenesis during Zebrafish Embryonic Development.. Blood, 2006, 108, 1812-1812.	1.4	0