

Sergey V Prykhozhiy

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

668
citations

687363

13
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

1334
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR MultiTargeter: A Web Tool to Find Common and Unique CRISPR Single Guide RNA Targets in a Set of Similar Sequences. PLoS ONE, 2015, 10, e0119372.	2.5	123
2	Insert, remove or replace: A highly advanced genome editing system using CRISPR/Cas9. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 2333-2344.	4.1	112
3	Glycine and Folate Ameliorate Models of Congenital Sideroblastic Anemia. PLoS Genetics, 2016, 12, e1005783.	3.5	51
4	Optimized knock-in of point mutations in zebrafish using CRISPR/Cas9. Nucleic Acids Research, 2018, 46, e102-e102.	14.5	50
5	A rapid and effective method for screening, sequencing and reporter verification of engineered frameshift mutations in zebrafish. DMM Disease Models and Mechanisms, 2017, 10, 811-822.	2.4	48
6	Zebrafish as a model system for mitochondrial biology and diseases. Translational Research, 2014, 163, 79-98.	5.0	47
7	Cardiac Electrophysiological Effects of Light-Activated Chloride Channels. Frontiers in Physiology, 2018, 9, 1806.	2.8	36
8	Zebrafish knock-ins swim into the mainstream. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	26
9	New Developments in CRISPR/Cas-based Functional Genomics and their Implications for Research Using Zebrafish. Current Gene Therapy, 2018, 17, 286-300.	2.0	26
10	Etiology and functional validation of gastrointestinal motility dysfunction in a zebrafish model of <sc>CHARGE</sc> syndrome. FEBS Journal, 2018, 285, 2125-2140.	4.7	24
11	The progress and promise of zebrafish as a model to study mast cells. Developmental and Comparative Immunology, 2014, 46, 74-83.	2.3	21
12	<i>hace1</i> Influences zebrafish cardiac development via ROSâ€dependent mechanisms. Developmental Dynamics, 2018, 247, 289-303.	1.8	17
13	A Guide to Computational Tools and Design Strategies for Genome Editing Experiments in Zebrafish Using CRISPR/Cas9. Zebrafish, 2016, 13, 70-73.	1.1	16
14	Zebrafish Cancer Predisposition Models. Frontiers in Cell and Developmental Biology, 2021, 9, 660069.	3.7	15
15	Frizzled 4 regulates ventral blood vessel remodeling in the zebrafish retina. Developmental Dynamics, 2019, 248, 1243-1256.	1.8	8
16	Stress hematopoiesis induces a proliferative advantage in TET2 deficiency. Leukemia, 2022, 36, 809-820.	7.2	3
17	CRISPR Knock-in Designer: Automatic Oligonucleotide Design Software to Introduce Point Mutations by Gene Editing Methods. Re:GEN Open, 2021, 1, 53-67.	0.2	2
18	<sc>KIT D816V</sc> is dimerizationâ€independent and activates downstream pathways frequently perturbed in mastocytosis. British Journal of Haematology, 2023, 202, 960-970.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Fishing with a Transgenic Line: Using Zebrafish to Elucidate Mechanisms and Therapeutics in NUP98-NSD1 AML. <i>Blood</i> , 2015, 126, 1638-1638.	1.4	0
20	Using the Zebrafish to Model the Tumour-Suppressor Effects of NUP98 in NUP98-NSD1 mediated AML. <i>Blood</i> , 2016, 128, 5117-5117.	1.4	0