Anil K Challa

List of Publications by Year
in descending order

24 papers	517 citations	623734 14 h-index	677142 22 g-index
28 all docs	28 docs citations	28 times ranked	860 citing authors

#	Article	IF	Citations
1	Validation of gene editing efficiency with CRISPR-Cas9 system directly in rat zygotes using electroporation mediated delivery and embryo culture. MethodsX, 2021, 8, 101419.	1.6	3
2	Physiological and metabolic characteristics of novel doubleâ€mutant female mice with targeted disruption of both growth hormoneâ€releasing hormone and growth hormone receptor. Aging Cell, 2021, 20, e13339.	6.7	6
3	Zebrafish Tumor Graft Transplantation to Grow Tumors In Vivo That Engraft Poorly as Single Cell Suspensions. Zebrafish, 2021, 18, 293-296.	1.1	1
4	Student Perceptions of Authoring a Publication Stemming from a Course-Based Undergraduate Research Experience (CURE). CBE Life Sciences Education, 2021, 20, ar46.	2.3	8
5	Generation of a GLO-2 deficient mouse reveals its effects on liver carbonyl and glutathione levels. Biochemistry and Biophysics Reports, 2021, 28, 101138.	1.3	3
6	Teleological Role of L-2-Hydroxyglutarate Dehydrogenase in the Kidney. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	8
7	Exercise Mediated Nrf2 Signaling Protects the Myocardium From Isoproterenol-Induced Pathological Remodeling. Frontiers in Cardiovascular Medicine, 2019, 6, 68.	2.4	18
8	Integrating CRISPR-Cas9 Technology into Undergraduate Courses: Perspectives from a National Science Foundation (NSF) Workshop for Undergraduate Faculty, June 2018. Journal of Microbiology and Biology Education, 2019, 20, 10.	1.0	3
9	Enhanced Keap1-Nrf2 signaling protects the myocardium from isoproterenol-induced pathological remodeling in mice. Redox Biology, 2019, 27, 101212.	9.0	54
10	Truncating PKHD1 and PKD2 mutations alter energy metabolism. American Journal of Physiology - Renal Physiology, 2019, 316, F414-F425.	2.7	16
11	A mixing heteroduplex mobility assay (mHMA) to genotype homozygous mutants with small indels generated by CRISPR-Cas9 nucleases. MethodsX, 2019, 6, 1-5.	1.6	18
12	Analysis of novel domain-specific mutations in the zebrafish ndr2/cyclops gene generated using CRISPR-Cas9 RNPs. Journal of Genetics, 2018, 97, 1315-1325.	0.7	11
13	NF1 deficiency correlates with estrogen receptor signaling and diminished survival in breast cancer. Npj Breast Cancer, 2018, 4, 29.	5.2	42
14	First Year Course-Based Undergraduate Research Experience (CURE) Using the CRISPR/Cas9 Genome Engineering Technology in Zebrafish. Journal of Microbiology and Biology Education, 2018, 19, .	1.0	21
15	Analysis of novel domain-specific mutations in the zebrafish / gene generated using CRISPR-Cas9 RNPs. Journal of Genetics, 2018, 97, 1315-1325.	0.7	8
16	Increased trabecular bone and improved biomechanics in an osteocalcin null rat model created by CRISPR/Cas9 technology. DMM Disease Models and Mechanisms, 2016, 9, 1169-1179.	2.4	66
17	Mutation of Growth Arrest Specific 8 Reveals a Role in Motile Cilia Function and Human Disease. PLoS Genetics, 2016, 12, e1006220.	3.5	33
18	Novel Hypomorphic Alleles of the Mouse Tyrosinase Gene Induced by CRISPR-Cas9 Nucleases Cause Non-Albino Pigmentation Phenotypes. PLoS ONE, 2016, 11, e0155812.	2.5	28

#	Article	IF	Citations
19	Conservation and Early Expression of Zebrafish Tyrosine Kinases Support the Utility of Zebrafish as a Model for Tyrosine Kinase Biology. Zebrafish, 2013, 10, 264-274.	1.1	18
20	NextGenVOICES. Science, 2013, 340, 28-30.	12.6	1
21	Caffeine-Induced Effects on Heart Rate in Zebrafish Embryos and Possible Mechanisms of Action: An Effective System for Experiments in Chemical Biology. Zebrafish, 2010, 7, 69-81.	1.1	45
22	9-O-Acetylation of Exogenously Added Ganglioside GD3. Journal of Biological Chemistry, 2006, 281, 7825-7833.	3.4	27
23	Robo3 isoforms have distinct roles during zebrafish development. Mechanisms of Development, 2005, 122, 1073-1086.	1.7	23
24	Identification and characterization of roundabout orthologs in zebrafish. Mechanisms of Development, 2001, 101, 249-253.	1.7	55