Dan Zhou

List of Publications by Citations

32 papers	1,000 citations	19 h-index	31 g-index
33 ext. papers	1,226 ext. citations	6.5 avg, IF	3.86 L-index

#	Paper	IF	Citations
32	Mechanisms underlying hypoxia tolerance in Drosophila melanogaster: hairy as a metabolic switch. *PLoS Genetics*, **2008**, 4, e1000221	6	103
31	Whole-genome sequencing uncovers the genetic basis of chronic mountain sickness in Andean highlanders. *American Journal of Human Genetics*, **2013**, 93, 452-62	11	90
30	Experimental selection of hypoxia-tolerant Drosophila melanogaster. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 2349-54	11.5	85
29	Experimental selection for Drosophila survival in extremely low O(2) environment. *PLoS ONE*, **2007**, 2, e490	3.7	71
28	Distinct mechanisms underlying tolerance to intermittent and constant hypoxia in Drosophila melanogaster. *PLoS ONE*, **2009**, 4, e5371	3.7	68
27	Whole genome sequencing of Ethiopian highlanders reveals conserved hypoxia tolerance genes. *Genome Biology*, **2014**, 15, R36	18.3	59
26	Intermittent Hypoxia and Hypercapnia, a Hallmark of Obstructive Sleep Apnea, Alters the Gut Microbiome and Metabolome. *MSystems*, **2018**, 3,	7.6	56
25	Metabolism as means for hypoxia adaptation: metabolic profiling and flux balance analysis. *BMC Systems Biology*, **2009**, 3, 91	3.5	48
24	High-altitude adaptation in humans: from genomics to integrative physiology. *Journal of Molecular Medicine*, **2017**, 95, 1269-1282	5.5	43
23	Antimicrobial peptides increase tolerance to oxidant stress in Drosophila melanogaster. *Journal of Biological Chemistry*, **2011**, 286, 6211-8	5.4	40
22	Gene expression in mouse brain following chronic hypoxia: role of sarcospan in glial cell death. *Physiological Genomics*, **2008**, 32, 370-9	3.6	37
21	Endothelin receptor B, a candidate gene from human studies at high altitude, improves cardiac tolerance to hypoxia in genetically engineered heterozygote mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 10425-30	11.5	35
20	Genetic analysis of hypoxia tolerance and susceptibility in Drosophila and humans. *Annual Review of Genomics and Human Genetics*, **2013**, 14, 25-43	9.7	32
19	Experimental selection for Drosophila survival in extremely high O2 environments. *PLoS ONE*, **2010**, 5, e11701	3.7	31
18	Shared Genetic Signals of Hypoxia Adaptation in Drosophila and in High-Altitude Human Populations. *Molecular Biology and Evolution*, **2016**, 33, 501-17	8.3	30
17	Identification of genes underlying hypoxia tolerance in Drosophila by a P-element screen. *G3: Genes, Genomes, Genetics*, **2012**, 2, 1169-78	3.2	23
16	Senp1 drives hypoxia-induced polycythemia via GATA1 and Bcl-xL in subjects with Mongeæ disease. *Journal of Experimental Medicine*, **2016**, 213, 2729-2744	16.6	22

15	The genetic basis of chronic mountain sickness. *Physiology*, **2014**, 29, 403-12	9.8	21
14	New Insights into the Genetic Basis of Mongeæ Disease and Adaptation to High-Altitude. *Molecular Biology and Evolution*, **2017**, 34, 3154-3168	8.3	19
13	Drosophila, a golden bug, for the dissection of the genetic basis of tolerance and susceptibility to hypoxia. *Pediatric Research*, **2009**, 66, 239-47	3.2	15
12	Intermittent Hypoxia and Hypercapnia Reproducibly Change the Gut Microbiome and Metabolome across Rodent Model Systems. *MSystems*, **2019**, 4,	7.6	13
11	High fat diet induces sex-specific differential gene expression in Drosophila melanogaster. *PLoS ONE*, **2019**, 14, e0213474	3.7	10
10	Exploring miRNA-mRNA regulatory network in cardiac pathology in Na/H exchanger isoform 1 transgenic mice. *Physiological Genomics*, **2018**, 50, 846-861	3.6	8
9	Severe Hypoxia: Consequences to Neural Stem Cells and Neurons. *Journal of Neurology Research*, **2011**, 1,	2.5	8
8	Novel insight into the genetic basis of high-altitude pulmonary hypertension in Kyrgyz highlanders. *European Journal of Human Genetics*, **2019**, 27, 150-159	5.3	7
7	Cardiac-specific knockout and pharmacological inhibition of Endothelin receptor type B lead to cardiac resistance to extreme hypoxia. *Journal of Molecular Medicine*, **2018**, 96, 975-982	5.5	6
6	Influence of Intermittent Hypoxia/Hypercapnia on Atherosclerosis, Gut Microbiome, and Metabolome. *Frontiers in Physiology*, **2021**, 12, 663950	4.6	6
5	Intermittent Hypoxia and Hypercapnia Alter Diurnal Rhythms of Luminal Gut Microbiome and Metabolome. *MSystems*, **2021**, e0011621	7.6	6
4	Wnt pathway activation increases hypoxia tolerance during development. *PLoS ONE*, **2014**, 9, e103292	3.7	5
3	Multiple mechanisms drive genomic adaptation to extreme O levels in Drosophila melanogaster. *Nature Communications*, **2021**, 12, 997	17.4	3
2	Microbiota Modulates Cardiac Transcriptional Responses to Intermittent Hypoxia and Hypercapnia. *Frontiers in Physiology*, **2021**, 12, 680275	4.6	0
1	Different Impacts of Intermittent Hypoxia and Hypercapnia on Atherosclerotic Formation. *FASEB Journal*, **2019**, 33, 522.5	0.9	