Gabriel G Haddad

List of Publications by Citations

69 papers	1,556 citations	21 h-index	38 g-index
70 ext. papers	2,103 ext. citations	5.8 avg, IF	4.53 L-index

#	Paper	IF	Citations
69	Complex Oscillatory Waves Emerging from Cortical Organoids Model Early Human Brain Network Development. *Cell Stem Cell*, **2019**, 25, 558-569.e7	18	266
68	Global chemical effects of the microbiome include new bile-acid conjugations. *Nature*, **2020**, 579, 123-129	50.4	129
67	Epidermal growth factor receptor translocation to the mitochondria: regulation and effect. *Journal of Biological Chemistry*, **2009**, 284, 36592-36604	5.4	124
66	Mechanisms underlying hypoxia tolerance in Drosophila melanogaster: hairy as a metabolic switch. *PLoS Genetics*, **2008**, 4, e1000221	6	103
65	Distinct mechanisms underlying tolerance to intermittent and constant hypoxia in Drosophila melanogaster. *PLoS ONE*, **2009**, 4, e5371	3.7	68
64	Metabolic and transcriptional response to a high-fat diet in Drosophila melanogaster. *Molecular Metabolism*, **2014**, 3, 42-54	8.8	57
63	Intermittent Hypoxia and Hypercapnia, a Hallmark of Obstructive Sleep Apnea, Alters the Gut Microbiome and Metabolome. *MSystems*, **2018**, 3,	7.6	56
62	Differential effects of chronic intermittent and chronic constant hypoxia on postnatal growth and development. *Pediatric Pulmonology*, **2008**, 43, 20-8	3.5	56
61	Long-lasting changes in DNA methylation following short-term hypoxic exposure in primary hippocampal neuronal cultures. *PLoS ONE*, **2013**, 8, e77859	3.7	47
60	High-altitude adaptation in humans: from genomics to integrative physiology. *Journal of Molecular Medicine*, **2017**, 95, 1269-1282	5.5	43
59	Tolerance to low O2: lessons from invertebrate genetic models. *Experimental Physiology*, **2006**, 91, 277-82	2.4	42
58	Distinct role of Hsp70 in Drosophila hemocytes during severe hypoxia. *Free Radical Biology and Medicine*, **2011**, 51, 530-8	7.8	40
57	Role of high-fat diet in stress response of Drosophila. *PLoS ONE*, **2012**, 7, e42587	3.7	37
56	Hypoxia increases BK channel activity in the inner mitochondrial membrane. *Biochemical and Biophysical Research Communications*, **2007**, 358, 311-6	3.4	37
55	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
54	Experimental selection for Drosophila survival in extremely high O2 environments. *PLoS ONE*, **2010**, 5, e11701	3.7	31
53	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

52	Fine tuning of the UPR by the ubiquitin ligases Siah1/2. *PLoS Genetics*, **2014**, 10, e1004348	6	27
51	Biallelic Mutations in ADPRHL2, Encoding ADP-Ribosylhydrolase 3, Lead to a Degenerative Pediatric Stress-Induced Epileptic Ataxia Syndrome. *American Journal of Human Genetics*, **2018**, 103, 431-439	11	25
50	Identification of genes underlying hypoxia tolerance in Drosophila by a P-element screen. *G3: Genes, Genomes, Genetics*, **2012**, 2, 1169-78	3.2	23
49	Senp1 drives hypoxia-induced polycythemia via GATA1 and Bcl-xL in subjects with Monge's disease. *Journal of Experimental Medicine*, **2016**, 213, 2729-2744	16.6	22
48	The genetic basis of chronic mountain sickness. *Physiology*, **2014**, 29, 403-12	9.8	21
47	New Insights into the Genetic Basis of Monge's Disease and Adaptation to High-Altitude. *Molecular Biology and Evolution*, **2017**, 34, 3154-3168	8.3	19
46	A Drosophila ABC transporter regulates lifespan. *PLoS Genetics*, **2014**, 10, e1004844	6	19
45	Hematopoietic stem cell transplantation protects mice from lethal stroke. *Experimental Neurology*, **2010**, 225, 284-93	5.7	14
44	Intermittent Hypoxia and Hypercapnia Reproducibly Change the Gut Microbiome and Metabolome across Rodent Model Systems. *MSystems*, **2019**, 4,	7.6	13
43	SLC22 Orthologs Related to OATs, OCTs, and OCTNs Regulate Development and Responsiveness to Oxidative Stress. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	13
42	The Na/HCO co-transporter is protective during ischemia in astrocytes. *Neuroscience*, **2016**, 339, 329-337	3.9	13
41	Cardiac responses to hypoxia and reoxygenation in Drosophila. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R1347-57	3.2	11
40	Altered network and rescue of human neurons derived from individuals with early-onset genetic epilepsy. *Molecular Psychiatry*, **2021**,	15.1	11
39	High fat diet induces sex-specific differential gene expression in Drosophila melanogaster. *PLoS ONE*, **2019**, 14, e0213474	3.7	10
38	Intermittent hypoxia induces murine macrophage foam cell formation by IKK-dependent NF-B pathway activation. *Journal of Applied Physiology*, **2016**, 121, 670-7	3.7	10
37	Methadone interrupts neural growth and function in human cortical organoids. *Stem Cell Research*, **2020**, 49, 102065	1.6	8
36	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
35	Severe Hypoxia: Consequences to Neural Stem Cells and Neurons. *Journal of Neurology Research*, **2011**, 1,	2.5	8

34	Increased hypoxic proliferative response and gene expression in erythroid progenitor cells of Andean highlanders with chronic mountain sickness. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2020**, 318, R49-R56	3.2	8
33	Does the brain gain back energy during sleep? But what does it mean?. *Sleep*, **2011**, 34, 835-6	1.1	7
32	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
31	Protective role of estrogen against excessive erythrocytosis in Monge's disease. *Experimental and Molecular Medicine*, **2021**, 53, 125-135	12.8	7
30	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
29	Influence of Intermittent Hypoxia/Hypercapnia on Atherosclerosis, Gut Microbiome, and Metabolome. *Frontiers in Physiology*, **2021**, 12, 663950	4.6	6
28	Mitochondrial dysfunction in iPSC-derived neurons of subjects with chronic mountain sickness. *Journal of Applied Physiology*, **2018**, 125, 832-840	3.7	5
27	Transcriptomic analysis identifies a role of PI3K-Akt signalling in the responses of skeletal muscle to acute hypoxia in vivo. *Journal of Physiology*, **2017**, 595, 5797-5813	3.9	5
26	Wnt pathway activation increases hypoxia tolerance during development. *PLoS ONE*, **2014**, 9, e103292	3.7	5
25	Intracellular pH Regulation in iPSCs-derived Astrocytes from Subjects with Chronic Mountain Sickness. *Neuroscience*, **2018**, 375, 25-33	3.9	4
24	Down-regulation of Inwardly Rectifying K Currents in Astrocytes Derived from Patients with Monge's Disease. *Neuroscience*, **2018**, 374, 70-79	3.9	4
23	Genetic animal models of preconditioning. *Translational Stroke Research*, **2013**, 4, 51-5	7.8	4
22	Methadone Suppresses Neuronal Function and Maturation in Human Cortical Organoids. *Frontiers in Neuroscience*, **2020**, 14, 593248	5.1	3
21	Multiple mechanisms drive genomic adaptation to extreme O levels in Drosophila melanogaster. *Nature Communications*, **2021**, 12, 997	17.4	3
20	SLC22 Transporters in the Fly Renal System Regulate Response to Oxidative Stress In Vivo.. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
19	Molecular Basis of Hypoxia-Induced Excessive Erythrocytosis of High Altitude. *FASEB Journal*, **2018**, 32, lb405	0.9	2
18	Effect of Hypoxia/Ischemia on Voltage-Dependent Channels251-277		1
17	Commentary: Novel Insight into the Genetic Basis of High Altitude Pulmonary Hypertension in Kyrgyz Highlanders **2019**, 3, 29-30		0

16	Microbiota Modulates Cardiac Transcriptional Responses to Intermittent Hypoxia and Hypercapnia. *Frontiers in Physiology*, **2021**, 12, 680275	4.6	0
15	Neuroprotective Role of Akt in Hypoxia Adaptation in Andeans. *Frontiers in Neuroscience*, **2020**, 14, 607741	5.1	0
14	Transcription Factor 4 loss-of-function is associated with deficits in progenitor proliferation and cortical neuron content.. *Nature Communications*, **2022**, 13, 2387	17.4	0
13	Protective Role Of Estrogen Against Excessive Erythrocytosis In Monge□ Disease. *FASEB Journal*, **2020**, 34, 1-1	0.9	
12	Induced pluripotent stem cell technology to model chronic mountain sickness **2022**, 45-63		
11	Mechanism of Metabolic Suppression in Hypoxia-Selected Drosophila melanogaster. *FASEB Journal*, **2007**, 21, A923	0.9	
10	Chronic high inspired CO2 decreases excitability of mouse hippocampal neurons. *FASEB Journal*, **2007**, 21, A925	0.9	
9	Human iPSC-Derived Cerebral Organoids Reveal Altered Neuronal Excitability in Subjects with Monge’s Disease. *FASEB Journal*, **2018**, 32, 909.11	0.9	
8	Evolutionarily Conserved Notch-Dependent and Independent Mechanisms Regulating Hypoxia Tolerance. *FASEB Journal*, **2018**, 32, 858.4	0.9	
7	Transcriptional Response to Intermittent Hypoxia in the Heart of Germ-Free Mice. *FASEB Journal*, **2019**, 33, 720.3	0.9	
6	Different Impacts of Intermittent Hypoxia and Hypercapnia on Atherosclerotic Formation. *FASEB Journal*, **2019**, 33, 522.5	0.9	
5	Insulin signaling activation protects dentate neurons from oxygen-glucose deprivation in organotypic hippocampal slice cultures. *FASEB Journal*, **2009**, 23, 739.16	0.9	
4	Glucose stimulated insulin secretion: Effect of chronic acidosis and alkalosis in MIN6 cells. *FASEB Journal*, **2010**, 24, 1035.9	0.9	
3	Role of mitochondria in hyperoxia adaptation. *FASEB Journal*, **2012**, 26, 1137.18	0.9	
2	Ultrastructural Modifications in the Mitochondria of Hypoxia- Adapted Drosophila melanogaster. *FASEB Journal*, **2012**, 26, 565.6	0.9	
1	Mitochondrial proteomes of Drosophila melanogaster adapted to chronic hypoxic environment (960.7). *FASEB Journal*, **2014**, 28, 960.7	0.9	