Tatum S Simonson

List of Publications by Year
in descending order

70 papers	3,613 citations	257101 24 h-index	168136 53 g-index
71 all docs	71 docs citations	71 times ranked	4294 citing authors

#	Article	IF	Citations
1	High-Altitude Erythrocytosis: Mechanisms of Adaptive and Maladaptive Responses. Physiology, 2022, 37, 175-186.	1.6	12
2	Combined intermittent and sustained hypoxia is a novel and deleterious cardio-metabolic phenotype. Sleep, 2022, 45, .	0.6	14
3	Diagnostic Accuracy of the Progressive Collapsing Foot Deformity (PCFD) Classification. Foot and Ankle International, 2022, 43, 800-809.	1.1	6
4	Notch Signaling and Cross-Talk in Hypoxia: A Candidate Pathway for High-Altitude Adaptation. Life, 2022, 12, 437.	1.1	8
5	Effects of mango and mint pod-based e-cigarette aerosol inhalation on inflammatory states of the brain, lung, heart, and colon in mice. ELife, 2022, 11, .	2.8	22
6	Silent hypoxaemia in COVIDâ€19 patients. Journal of Physiology, 2021, 599, 1057-1065.	1.3	64
7	Control of Breathing. , 2021, , 205-218.		1
8	Impacts of Changes in Atmospheric O2 on Human Physiology. Is There a Basis for Concern?. Frontiers in Physiology, 2021, 12, 571137.	1.3	10
9	Unique Cardioâ€metabolic Consequences of Superimposed Sustained and Intermittent Hypoxia. FASEB Journal, 2021, 35, .	0.2	0
10	Tibetans at intermediate altitude exhibit lower hemoglobin concentration and distinct responses to poikilocapnic hypoxia relative to Han Chinese residents. FASEB Journal, 2021, 35, .	0.2	0
11	Halofuginone, a promising drug for treatment of pulmonary hypertension. British Journal of Pharmacology, 2021, 178, 3373-3394.	2.7	15
12	Upregulation of Calcium Homeostasis Modulators in Contractile-To-Proliferative Phenotypical Transition of Pulmonary Arterial Smooth Muscle Cells. Frontiers in Physiology, 2021, 12, 714785.	1.3	1
13	Human Adaptations to High Altitude. , 2021, , 19-23.		0
14	Targeting Mitochondria and Metabolism in Acute Kidney Injury. Journal of Clinical Medicine, 2021, 10, 3991.	1.0	19
15	Metabolic adaptation to high altitude. Current Opinion in Endocrine and Metabolic Research, 2020, 11, 33-41.	0.6	20
16	Endothelial plateletâ€derived growth factorâ€mediated activation of smooth muscle plateletâ€derived growth factor receptors in pulmonary arterial hypertension. Pulmonary Circulation, 2020, 10, 1-15.	0.8	13
17	Cross-Species Insights Into Genomic Adaptations to Hypoxia. Frontiers in Genetics, 2020, 11, 743.	1.1	48
18	Adaptive Potential of the Heme Oxygenase/Carbon Monoxide Pathway During Hypoxia. Frontiers in Physiology, 2020, 11, 886.	1.3	19

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19	Transcriptomic profiles in pulmonary arterial hypertension associate with disease severity and identify novel candidate genes. Pulmonary Circulation, 2020, 10, 1-5.	0.8	11
20	Seq-ing Higher Ground: Functional Investigation of Adaptive Variation Associated With High-Altitude Adaptation. Frontiers in Genetics, 2020, 11, 471.	1.1	10
21	Neuronal HIFâ€1Î± in the nucleus tractus solitarius contributes to ventilatory acclimatization to hypoxia. Journal of Physiology, 2020, 598, 2021-2034.	1.3	19
22	Variability in hypoxic response: Could genetics play a role?. Journal of Physiology, 2020, 598, 1805-1806.	1.3	4
23	Relationships Between Chemoreflex Responses, Sleep Quality, and Hematocrit in Andean Men and Women. Frontiers in Physiology, 2020, 11, 437.	1.3	10
24	Exerciseâ€induced increase in hemoglobin concentration at intermediate and high altitudes in Andeans, Tibetans and Han Chinese. FASEB Journal, 2020, 34, 1-1.	0.2	0
25	Tibetans resident at intermediate altitude (1300 m, 4327 ft) show similar hypoxic ventilatory responses but blunted heart rate responses to poikilocapnic hypoxia. FASEB Journal, 2020, 34, 1-1.	0.2	0
26	Tibetans and Han Chinese residents at intermediate altitude respond differently to chronic and simulated altitudeâ€induced hypoxia. FASEB Journal, 2020, 34, 1-1.	0.2	0
27	Tibetan and Han Chinese oxygen transport at 2200 m and simulated 4200 m during peak exercise. FASEB Journal, 2020, 34, 1-1.	0.2	0
28	Giants in Chest Medicine: Emeritus Professor Peter D. Wagner, MD. Chest, 2019, 155, 9-11.	0.4	0
29	Cognitive function and mood at high altitude following acclimatization and use of supplemental oxygen and adaptive servoventilation sleep treatments. PLoS ONE, 2019, 14, e0217089.	1.1	37
30	Genetic variants at the EGLN1 locus associated with highâ€altitude adaptation in Tibetans are absent or found at low frequency in highland Andeans. Annals of Human Genetics, 2019, 83, 171-176.	0.3	19
31	Excessive erythrocytosis in highâ€altitude residents is associated with modest impairments in shortâ€term memory and processing speed. FASEB Journal, 2019, 33, 551.2.	0.2	0
32	Increased Serum Erythropoietin despite Normalized Hb Concentration and Arterial O 2 Saturation in Chronic Mountain Sickness after Isovolemic Hemodilution. FASEB Journal, 2019, 33, lb592.	0.2	0
33	Adaptive Servoventilation as Treatment for Central Sleep Apnea Due to High-Altitude Periodic Breathing in Nonacclimatized Healthy Individuals. High Altitude Medicine and Biology, 2018, 19, 178-184.	0.5	25
34	Genetic Missense Variants at the EGLN1 Locus Associated with Highâ€Altitude Adaptation in Tibetans are Rare in Andeans. FASEB Journal, 2018, 32, lb478.	0.2	1
35	Differences in Peak VO2 Among Healthy Andean Highlanders and Males with Chronic Mountain Sickness Before and After Isovolemic Hemodilution at 4350m. FASEB Journal, 2018, 32, lb412.	0.2	0
36	Hemeâ€oxygenase 2 (HMOX2) variants associated with evolutionary adaptation and hemoglobin concentration in Tibetans are common in Andean Highlanders. FASEB Journal, 2018, 32, lb413.	0.2	0

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37	Increased Levels of Interleukinâ€6 (ILâ€6) in Andean Males with Chronic Mountain Sickness and Seaâ€Level Participants After One Day at High Altitude May Reflect Differences in ILâ€6 Regulation. FASEB Journal, 2018, 32, lb479.	0.2	1
38	Measurement of the distribution of ventilation-perfusion ratios in the human lung with proton MRI: comparison with the multiple inert-gas elimination technique. Journal of Applied Physiology, 2017, 123, 136-146.	1.2	20
39	Evolutionary history of Tibetans inferred from whole-genome sequencing. PLoS Genetics, 2017, 13, e1006675.	1.5	89
40	Oxygen transport adaptations to exercise in native highland populations. Experimental Physiology, 2015, 100, 1231-1232.	0.9	5
41	Metabolic aspects of highâ€altitude adaptation in Tibetans. Experimental Physiology, 2015, 100, 1247-1255.	0.9	48
42	Reply. Experimental Physiology, 2015, 100, 342-342.	0.9	0
43	Altitude Adaptation: A Glimpse Through Various Lenses. High Altitude Medicine and Biology, 2015, 16, 125-137.	0.5	121
44	Higher Peak Vâ€O2 in a Decremental Exercise Protocol Compared to a Standard Incremental Test. Medicine and Science in Sports and Exercise, 2015, 47, 157.	0.2	0
45	Less is more: blunted responses to hypoxia revealed in sea-level Tibetans. Journal of Applied Physiology, 2014, 116, 711-712.	1.2	2
46	A genetic mechanism for Tibetan high-altitude adaptation. Nature Genetics, 2014, 46, 951-956.	9.4	322
47	Shared and Unique Signals of High-Altitude Adaptation in Geographically Distinct Tibetan Populations. PLoS ONE, 2014, 9, e88252.	1.1	44
48	High-altitude physiology: lessons from Tibet. , 2013, , .		0
49	Genomic Analysis of Natural Selection and Phenotypic Variation in High-Altitude Mongolians. PLoS Genetics, 2013, 9, e1003634.	1.5	48
50	Crohn's Disease and Genetic Hitchhiking at IBD5. Molecular Biology and Evolution, 2012, 29, 101-111.	3.5	52
51	Metabolic insight into mechanisms of high-altitude adaptation in Tibetans. Molecular Genetics and Metabolism, 2012, 106, 244-247.	0.5	68
52	Genetic determinants of Tibetan high-altitude adaptation. Human Genetics, 2012, 131, 527-533.	1.8	124
53	Exercise capacity and oxygen transport in native Tibetan highlanders with highâ€•compared to lowâ€hemoglobin concentration. FASEB Journal, 2012, 26, lb775.	0.2	1
54	Similar peak VO2 at altitude in native lowland (Han Chinese) and Tibetan highland inhabitants despite different hemoglobin concentration [Hb]. FASEB Journal, 2012, 26, lb804.	0.2	1

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55	Maximum-likelihood estimation of recent shared ancestry (ERSA). Genome Research, 2011, 21, 768-774.	2.4	142
56	Signatures of the Preagricultural Peopling Processes in Sub-Saharan Africa as Revealed by the Phylogeography of Early Y Chromosome Lineages. Molecular Biology and Evolution, 2011, 28, 2603-2613.	3.5	52
57	Ancestry of the Iban Is Predominantly Southeast Asian: Genetic Evidence from Autosomal, Mitochondrial, and Y Chromosomes. PLoS ONE, 2011, 6, e16338.	1.1	17
58	Limited Distribution of a Cardiomyopathyâ€Associated Variant in India. Annals of Human Genetics, 2010, 74, 184-188.	0.3	19
59	Genetic Evidence for High-Altitude Adaptation in Tibet. Science, 2010, 329, 72-75.	6.0	971
60	Toward a more uniform sampling of human genetic diversity: A survey of worldwide populations by high-density genotyping. Genomics, 2010, 96, 199-210.	1.3	73
61	A Novel PHD2 Mutation Associated with Tibetan Genetic Adaptation to High Altitude Hypoxia.. Blood, 2010, 116, 2602-2602.	0.6	5
62	Bacillus anthracis in China and its relationship to worldwide lineages. BMC Microbiology, 2009, 9, 71.	1.3	85
63	Genetic adaptation to extreme hypoxia:. Blood Cells, Molecules, and Diseases, 2009, 43, 221-225.	0.6	25
64	Strain-Specific Single-Nucleotide Polymorphism Assays for the Bacillus anthracis Ames Strain. Journal of Clinical Microbiology, 2007, 45, 47-53.	1.8	126
65	Global Genetic Population Structure of Bacillus anthracis. PLoS ONE, 2007, 2, e461.	1.1	317
66	Use of a Real-Time PCR TaqMan Assay for Rapid Identification and Differentiation of Burkholderia pseudomallei and Burkholderia mallei. Journal of Clinical Microbiology, 2005, 43, 5771-5774.	1.8	50
67	Use of Single Nucleotide Polymorphisms in the plcR Gene for Specific Identification of Bacillus anthracis. Journal of Clinical Microbiology, 2005, 43, 1995-1997.	1.8	66
68	Mass spectrometry provides accurate characterization of two genetic marker types in Bacillus anthracis. BioTechniques, 2004, 37, 642-651.	0.8	56
69	Phylogenetic discovery bias in Bacillus anthracis using single-nucleotide polymorphisms from whole-genome sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13536-13541.	3.3	243
70	Ward, Milledge and West's High Altitude Medicine and Physiology. , 0, , .		12