

# Abigail W Bigham

## List of Publications by Year in descending order

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29  
papers

1,534  
citations

426418

17  
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488321

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31  
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31  
docs citations

31  
times ranked

2178  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human high-altitude adaptation: forward genetics meets the HIF pathway. <i>Genes and Development</i> , 2014, 28, 2189-2204.	5.8	290
2	Identifying positive selection candidate loci for high-altitude adaptation in Andean populations. <i>Human Genomics</i> , 2009, 4, 79-90.	3.0	196
3	Andean and Tibetan patterns of adaptation to high altitude. <i>American Journal of Human Biology</i> , 2013, 25, 190-197.	1.6	119
4	Host Genetic Risk Factors for West Nile Virus Infection and Disease Progression. <i>PLoS ONE</i> , 2011, 6, e24745.	2.5	112
5	Augmented uterine artery blood flow and oxygen delivery protect Andeans from altitude-associated reductions in fetal growth. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1564-R1575.	1.8	111
6	Maternal <i>PRKAA1</i> and <i>EDNRA</i> genotypes are associated with birth weight, and <i>PRKAA1</i> with uterine artery diameter and metabolic homeostasis at high altitude. <i>Physiological Genomics</i> , 2014, 46, 687-697.	2.2	85
7	Genetics of human origin and evolution: high-altitude adaptations. <i>Current Opinion in Genetics and Development</i> , 2016, 41, 8-13.	3.4	84
8	Defective Tibetan PHD2 Binding to p23 Links High Altitude Adaption to Altered Oxygen Sensing. <i>Journal of Biological Chemistry</i> , 2014, 289, 14656-14665.	3.5	69
9	Angiotensin-Converting Enzyme Genotype and Arterial Oxygen Saturation at High Altitude in Peruvian Quechua. <i>High Altitude Medicine and Biology</i> , 2008, 9, 167-178.	1.2	63
10	High-end arteriolar resistance limits uterine artery blood flow and restricts fetal growth in preeclampsia and gestational hypertension at high altitude. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R1221-R1229.	1.8	56
11	OPRM1 and EGFR contribute to skin pigmentation differences between Indigenous Americans and Europeans. <i>Human Genetics</i> , 2012, 131, 1073-1080.	3.8	49
12	Association of <i>EGLN1</i> gene with high aerobic capacity of Peruvian Quechua at high altitude. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24006-24011.	7.5	46
13	LINE-1 and <i>EPAS1</i> DNA methylation associations with high-altitude exposure. <i>Epigenetics</i> , 2019, 14, 1-15.	2.9	46
14	Estimates of Continental Ancestry Vary Widely among Individuals with the Same mtDNA Haplogroup. <i>American Journal of Human Genetics</i> , 2015, 96, 183-193.	6.1	42
15	DNA Methylation Changes Are Associated With an Incremental Ascent to High Altitude. <i>Frontiers in Genetics</i> , 2019, 10, 1062.	2.3	27
16	Tibetan <i>PHD2</i> , an allele with loss-of-function properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12230-12238.	7.5	25
17	Complex signatures of natural selection at GYP A. <i>Human Genetics</i> , 2018, 137, 151-160.	3.8	21
18	Toll-like receptor gene variants and bacterial vaginosis among HIV-1 infected and uninfected African women. <i>Genes and Immunity</i> , 2015, 16, 362-365.	4.3	19

#	ARTICLE	IF	CITATIONS
19	Identifying adaptive alleles in the human genome: from selection mapping to functional validation. <i>Human Genetics</i> , 2021, 140, 241-276.	3.8	14
20	Genome-Wide Epigenetic Signatures of Adaptive Developmental Plasticity in the Andes. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.6	14
21	Blood lead levels in Peruvian adults are associated with proximity to mining and DNA methylation. <i>Environment International</i> , 2021, 155, 106587.	10.0	13
22	High-altitude deer mouse hypoxia-inducible factor-2 $\beta$ shows defective interaction with CREB-binding protein. <i>Journal of Biological Chemistry</i> , 2021, 296, 100461.	3.5	9
23	Variants in Host Viral Replication Cycle Genes Are Associated With Heterosexual HIV-1 Acquisition in Africans. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2014, 66, 127-134.	2.1	6
24	Genome-Wide DNA Methylation Changes Associated With High-Altitude Acclimatization During an Everest Base Camp Trek. <i>Frontiers in Physiology</i> , 2021, 12, 660906.	2.8	6
25	Exhaled nitric oxide in ethnically diverse high-altitude native populations: A comparative study. <i>American Journal of Physical Anthropology</i> , 2019, 170, 451-458.	2.1	5
26	Natural Selection and Adaptation to Extreme Environments. , 2019, , 219-232.		2
27	The Genetic Anthropologist's Contribution to Understanding Race and Racial Health Disparities. <i>Human Biology</i> , 2015, 87, 291.	0.3	1
28	The Legacy of Infectious Disease Exposure on the Genomic Diversity of Indigenous Southern Mexicans. <i>Genome Biology and Evolution</i> , 2023, 15, .	2.6	1
29	Reply to Liu et al.: The Andean EGLN1 adaptive allele could be a loss of function variant that increases HIF1 $\beta$ in skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29286-29287.	7.5	0