

Brandon L Pierce

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

6,458
citations

87888

38
h-index

82547

72
g-index

89
all docs

89
docs citations

89
times ranked

10808
citing authors

#	ARTICLE	IF	CITATIONS
1	Relative Telomere Length Change in Colorectal Carcinoma and Its Association with Tumor Characteristics, Gene Expression and Microsatellite Instability. <i>Cancers</i> , 2022, 14, 2250.	3.7	10
2	The aging epigenome. <i>ELife</i> , 2022, 11, .	6.0	4
3	Genetically Increased Telomere Length and Aging-Related Traits in the U.K. Biobank. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 15-22.	3.6	18
4	CCmed: cross-condition mediation analysis for identifying replicable trans-associations mediated by cis-gene expression. <i>Bioinformatics</i> , 2021, 37, 2513-2520.	4.1	4
5	Rare, Protein-Altering Variants in <i>AS3MT</i> and Arsenic Metabolism Efficiency: A Multi-Population Association Study. <i>Environmental Health Perspectives</i> , 2021, 129, 47007.	6.0	9
6	Large-scale cis- and trans-eQTL analyses identify thousands of genetic loci and polygenic scores that regulate blood gene expression. <i>Nature Genetics</i> , 2021, 53, 1300-1310.	21.4	590
7	Determinants of telomere length across human tissues. <i>Science</i> , 2020, 369, .	12.6	257
8	The impact of sex on gene expression across human tissues. <i>Science</i> , 2020, 369, .	12.6	329
9	Primo: integration of multiple GWAS and omics QTL summary statistics for elucidation of molecular mechanisms of trait-associated SNPs and detection of pleiotropy in complex traits. <i>Genome Biology</i> , 2020, 21, 236.	8.8	26
10	A vast resource of allelic expression data spanning human tissues. <i>Genome Biology</i> , 2020, 21, 234.	8.8	68
11	Tobacco and marijuana use and their association with serum prostate-specific antigen levels among African American men in Chicago. <i>Preventive Medicine Reports</i> , 2020, 20, 101174.	1.8	7
12	Assessing the impact of arsenic metabolism efficiency on DNA methylation using Mendelian randomization. <i>Environmental Epidemiology</i> , 2020, 4, e083.	3.0	4
13	Research Participants' Attitudes towards Receiving Information on Genetic Susceptibility to Arsenic Toxicity in Rural Bangladesh. <i>Public Health Genomics</i> , 2020, 23, 69-76.	1.0	4
14	Genetic Determinants of Reduced Arsenic Metabolism Efficiency in the 10q24.32 Region Are Associated With Reduced <i>AS3MT</i> Expression in Multiple Human Tissue Types. <i>Toxicological Sciences</i> , 2020, 176, 382-395.	3.1	14
15	The effect of age on DNA methylation in whole blood among Bangladeshi men and women. <i>BMC Genomics</i> , 2019, 20, 704.	2.8	10
16	Association of Arsenic Exposure with Whole Blood DNA Methylation: An Epigenome-Wide Study of Bangladeshi Adults. <i>Environmental Health Perspectives</i> , 2019, 127, 57011.	6.0	40
17	A missense variant in <i>FTCD</i> is associated with arsenic metabolism and toxicity phenotypes in Bangladesh. <i>PLoS Genetics</i> , 2019, 15, e1007984.	3.5	19
18	Circulating vitamin D concentrations and risk of breast and prostate cancer: a Mendelian randomization study. <i>International Journal of Epidemiology</i> , 2019, 48, 1416-1424.	1.9	51

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19	Urinary metals and leukocyte telomere length in American Indian communities: The Strong Heart and the Strong Heart Family Study. <i>Environmental Pollution</i> , 2019, 246, 311-318.	7.5	23
20	The contribution of parent-to-offspring transmission of telomeres to the heritability of telomere length in humans. <i>Human Genetics</i> , 2019, 138, 49-60.	3.8	24
21	Screening for gene-environment (G-E) interaction using omics data from exposed individuals: an application to gene-arsenic interaction. <i>Mammalian Genome</i> , 2018, 29, 101-111.	2.2	7
22	Co-occurring expression and methylation QTLs allow detection of common causal variants and shared biological mechanisms. <i>Nature Communications</i> , 2018, 9, 804.	12.8	66
23	A novel pooled-sample multiplex luminex assay for high-throughput measurement of relative telomere length. <i>American Journal of Human Biology</i> , 2018, 30, e23118.	1.6	9
24	A meta-analysis approach with filtering for identifying gene-level gene-environment interactions. <i>Genetic Epidemiology</i> , 2018, 42, 434-446.	1.3	5
25	A study of telomere length, arsenic exposure, and arsenic toxicity in a Bangladeshi cohort. <i>Environmental Research</i> , 2018, 164, 346-355.	7.5	26
26	Elevation of Stromal-Derived Mediators of Inflammation Promote Prostate Cancer Progression in African-American Men. <i>Cancer Research</i> , 2018, 78, 6134-6145.	0.9	25
27	Mendelian Randomization Studies of Cancer Risk: a Literature Review. <i>Current Epidemiology Reports</i> , 2018, 5, 184-196.	2.4	37
28	Genome-wide association study of telomere length among South Asians identifies a second RTEL1 association signal. <i>Journal of Medical Genetics</i> , 2018, 55, 64-71.	3.2	33
29	Identifying cis-mediators for trans-eQTLs across many human tissues using genomic mediation analysis. <i>Genome Research</i> , 2017, 27, 1859-1871.	5.5	72
30	Lessons Learned From Past Gene-Environment Interaction Successes. <i>American Journal of Epidemiology</i> , 2017, 186, 778-786.	3.4	53
31	Circulating vitamin D concentration and risk of seven cancers: Mendelian randomisation study. <i>BMJ: British Medical Journal</i> , 2017, 359, j4761.	2.3	126
32	Trans-ethnic predicted expression genome-wide association analysis identifies a gene for estrogen receptor-negative breast cancer. <i>PLoS Genetics</i> , 2017, 13, e1006727.	3.5	14
33	The association between telomere length and mortality in Bangladesh. <i>Aging</i> , 2017, 9, 1537-1551.	3.1	12
34	Novel Luminex Assay for Telomere Repeat Mass Does Not Show Well Position Effects Like qPCR. <i>PLoS ONE</i> , 2016, 11, e0155548.	2.5	11
35	A Unified Set-Based Test with Adaptive Filtering for Gene-Environment Interaction Analyses. <i>Biometrics</i> , 2016, 72, 629-638.	1.4	14
36	Sex-Specific and Time-Varying Associations Between Cigarette Smoking and Telomere Length Among Older Adults. <i>American Journal of Epidemiology</i> , 2016, 184, 922-932.	3.4	21

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37	Imputing Gene Expression in Uncollected Tissues Within and Beyond GTEx. <i>American Journal of Human Genetics</i> , 2016, 98, 697-708.	6.2	51
38	Telomere structure and maintenance gene variants and risk of five cancer types. <i>International Journal of Cancer</i> , 2016, 139, 2655-2670.	5.1	43
39	Mendelian randomization study of adiposity-related traits and risk of breast, ovarian, prostate, lung and colorectal cancer. <i>International Journal of Epidemiology</i> , 2016, 45, 896-908.	1.9	124
40	Determinants and Consequences of Arsenic Metabolism Efficiency among 4,794 Individuals: Demographics, Lifestyle, Genetics, and Toxicity. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2016, 25, 381-390.	2.5	67
41	Association between Adult Height and Risk of Colorectal, Lung, and Prostate Cancer: Results from Meta-analyses of Prospective Studies and Mendelian Randomization Analyses. <i>PLoS Medicine</i> , 2016, 13, e1002118.	8.4	69
42	Telomere length measurement by a novel Luminex-based assay: a blinded comparison to Southern blot. <i>International Journal of Molecular Epidemiology and Genetics</i> , 2016, 7, 18-23.	0.4	12
43	The Genetic Architecture of Arsenic Metabolism Efficiency: A SNP-Based Heritability Study of Bangladeshi Adults. <i>Environmental Health Perspectives</i> , 2015, 123, 985-992.	6.0	22
44	Genome-Wide Association Study of Parity in Bangladeshi Women. <i>PLoS ONE</i> , 2015, 10, e0118488.	2.5	13
45	Genetic determinants of telomere length and risk of common cancers: a Mendelian randomization study. <i>Human Molecular Genetics</i> , 2015, 24, 5356-5366.	2.9	128
46	Interaction between Arsenic Exposure from Drinking Water and Genetic Polymorphisms on Cardiovascular Disease in Bangladesh: A Prospective Case-Cohort Study. <i>Environmental Health Perspectives</i> , 2015, 123, 451-457.	6.0	27
47	Gene-Specific Differential DNA Methylation and Chronic Arsenic Exposure in an Epigenome-Wide Association Study of Adults in Bangladesh. <i>Environmental Health Perspectives</i> , 2015, 123, 64-71.	6.0	69
48	Drinking Water Arsenic Contamination, Skin Lesions, and Malignancies: A Systematic Review of the Global Evidence. <i>Current Environmental Health Reports</i> , 2015, 2, 52-68.	6.7	130
49	Height and Breast Cancer Risk: Evidence From Prospective Studies and Mendelian Randomization. <i>Journal of the National Cancer Institute</i> , 2015, 107, djv219.	6.3	99
50	Arsenic exposure, telomere length, and expression of telomere-related genes among Bangladeshi individuals. <i>Environmental Research</i> , 2015, 136, 462-469.	7.5	40
51	Genome-Wide Association Studies and Heritability Estimates of Body Mass Index Related Phenotypes in Bangladeshi Adults. <i>PLoS ONE</i> , 2014, 9, e105062.	2.5	19
52	Mediation Analysis Demonstrates That Trans-eQTLs Are Often Explained by Cis-Mediation: A Genome-Wide Analysis among 1,800 South Asians. <i>PLoS Genetics</i> , 2014, 10, e1004818.	3.5	88
53	Measurement of Telomere Length: A New Assay Using QuantiGene Chemistry on a Luminex Platform. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 2667-2672.	2.5	21
54	Genome-wide association study of smoking behaviours among Bangladeshi adults. <i>Journal of Medical Genetics</i> , 2014, 51, 327-333.	3.2	25

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55	Arsenic and Lung Disease Mortality in Bangladeshi Adults. <i>Epidemiology</i> , 2014, 25, 536-543.	2.7	53
56	Genetic susceptibility to accelerated cognitive decline in the US Health and Retirement Study. <i>Neurobiology of Aging</i> , 2014, 35, 1512.e11-1512.e18.	3.1	44
57	Efficient Design for Mendelian Randomization Studies: Subsample and 2-Sample Instrumental Variable Estimators. <i>American Journal of Epidemiology</i> , 2013, 178, 1177-1184.	3.4	768
58	Arsenic metabolism efficiency has a causal role in arsenic toxicity: Mendelian randomization and gene-environment interaction. <i>International Journal of Epidemiology</i> , 2013, 42, 1862-1872.	1.9	89
59	Urinary and Dietary Analysis of 18,470 Bangladeshis Reveal a Correlation of Rice Consumption with Arsenic Exposure and Toxicity. <i>PLoS ONE</i> , 2013, 8, e80691.	2.5	62
60	Genome-Wide Association Study Identifies Chromosome 10q24.32 Variants Associated with Arsenic Metabolism and Toxicity Phenotypes in Bangladesh. <i>PLoS Genetics</i> , 2012, 8, e1002522.	3.5	156
61	Intakes of Several Nutrients Are Associated with Incidence of Arsenic-Related Keratotic Skin Lesions in Bangladesh. <i>Journal of Nutrition</i> , 2012, 142, 2128-2134.	2.9	33
62	The effect of non-differential measurement error on bias, precision and power in Mendelian randomization studies. <i>International Journal of Epidemiology</i> , 2012, 41, 1383-1393.	1.9	55
63	Why are diabetics at reduced risk for prostate cancer? A review of the epidemiologic evidence. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2012, 30, 735-743.	1.6	47
64	Unidentified Genetic Variants Influence Pancreatic Cancer Risk: An Analysis of Polygenic Susceptibility in the <i>SKIP</i> Study. <i>Genetic Epidemiology</i> , 2012, 36, 517-524.	1.3	5
65	Arsenic Exposure, Dietary Patterns, and Skin Lesion Risk in Bangladesh: A Prospective Study. <i>American Journal of Epidemiology</i> , 2011, 173, 345-354.	3.4	56
66	A Prospective Study of the Synergistic Effects of Arsenic Exposure and Smoking, Sun Exposure, Fertilizer Use, and Pesticide Use on Risk of Premalignant Skin Lesions in Bangladeshi Men. <i>American Journal of Epidemiology</i> , 2011, 173, 183-191.	3.4	60
67	Association study of type 2 diabetes genetic susceptibility variants and risk of pancreatic cancer: an analysis of PanScan-I data. <i>Cancer Causes and Control</i> , 2011, 22, 877-883.	1.8	57
68	Power and instrument strength requirements for Mendelian randomization studies using multiple genetic variants. <i>International Journal of Epidemiology</i> , 2011, 40, 740-752.	1.9	779
69	A Prospective Study of Arsenic Exposure From Drinking Water and Incidence of Skin Lesions in Bangladesh. <i>American Journal of Epidemiology</i> , 2011, 174, 185-194.	3.4	134
70	Genome-Wide <i>ePleiotropy Scan</i> Identifies HNF1A Region as a Novel Pancreatic Cancer Susceptibility Locus. <i>Cancer Research</i> , 2011, 71, 4352-4358.	0.9	55
71	Case-only genome-wide interaction study of disease risk, prognosis and treatment. <i>Genetic Epidemiology</i> , 2010, 34, 7-15.	1.3	22
72	Dietary B vitamin intakes and urinary total arsenic concentration in the Health Effects of Arsenic Longitudinal Study (HEALS) cohort, Bangladesh. <i>European Journal of Nutrition</i> , 2010, 49, 473-481.	3.9	18

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73	A prospective study of body mass index and mortality in Bangladesh. <i>International Journal of Epidemiology</i> , 2010, 39, 1037-1045.	1.9	50
74	Genetic Susceptibility to Type 2 Diabetes Is Associated with Reduced Prostate Cancer Risk. <i>Human Heredity</i> , 2010, 69, 193-201.	0.8	39
75	Arsenic exposure from drinking water, and all-cause and chronic-disease mortalities in Bangladesh (HEALS): a prospective cohort study. <i>Lancet, The</i> , 2010, 376, 252-258.	13.7	590
76	Arsenic exposure from drinking water and mortality in Bangladesh – Authors' reply. <i>Lancet, The</i> , 2010, 376, 1642.	13.7	3
77	The impact of patents on the development of genome-based clinical diagnostics: an analysis of case studies. <i>Genetics in Medicine</i> , 2009, 11, 202-209.	2.4	5
78	C-reactive protein, interleukin-6, and prostate cancer risk in men aged 65 years and older. <i>Cancer Causes and Control</i> , 2009, 20, 1193-1203.	1.8	55
79	Diabetes mellitus and prostate cancer risk. <i>Prostate</i> , 2008, 68, 1126-1132.	2.3	45
80	Measuring dietary acculturation in Japanese Americans with the use of confirmatory factor analysis of food-frequency data. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 496-503.	4.7	28
81	Genomic scan of 12 hereditary prostate cancer families having an occurrence of pancreas cancer. <i>Prostate</i> , 2007, 67, 410-415.	2.3	10