Christine Ladd-Acosta

List of Publications by Citations

57 papers	8,822 citations	28 h-index	63 g-index
63 ext. papers	10,798 ext. citations	8.9 avg, IF	5.62 L-index

#	Paper	IF	Citations
57	Minfi: a flexible and comprehensive Bioconductor package for the analysis of Infinium DNA methylation microarrays. *Bioinformatics*, **2014**, 30, 1363-9	7.2	1941
56	The human colon cancer methylome shows similar hypo- and hypermethylation at conserved tissue-specific CpG island shores. *Nature Genetics*, **2009**, 41, 178-186	36.3	1681
55	Differential methylation of tissue- and cancer-specific CpG island shores distinguishes human induced pluripotent stem cells, embryonic stem cells and fibroblasts. *Nature Genetics*, **2009**, 41, 1350-3	36.3	936
54	Gene expression-based survival prediction in lung adenocarcinoma: a multi-site, blinded validation study. *Nature Medicine*, **2008**, 14, 822-7	50.5	835
53	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. *American Journal of Human Genetics*, **2016**, 98, 680-96	11	489
52	The Changing Epidemiology of Autism Spectrum Disorders. *Annual Review of Public Health*, **2017**, 38, 81-102	20.6	404
51	An oncogenic KRAS2 expression signature identified by cross-species gene-expression analysis. *Nature Genetics*, **2005**, 37, 48-55	36.3	361
50	Prognostic and predictive gene signature for adjuvant chemotherapy in resected non-small-cell lung cancer. *Journal of Clinical Oncology*, **2010**, 28, 4417-24	2.2	350
49	Comprehensive high-throughput arrays for relative methylation (CHARM). *Genome Research*, **2008**, 18, 780-90	9.7	350
48	DNA methylation signatures within the human brain. *American Journal of Human Genetics*, **2007**, 81, 1304-15	11	228
47	An erythroid differentiation signature predicts response to lenalidomide in myelodysplastic syndrome. *PLoS Medicine*, **2008**, 5, e35	11.6	132
46	Interlaboratory comparability study of cancer gene expression analysis using oligonucleotide microarrays. *Clinical Cancer Research*, **2005**, 11, 565-72	12.9	116
45	The role of epigenetics in genetic and environmental epidemiology. *Epigenomics*, **2016**, 8, 271-83	4.4	90
44	Presence of an epigenetic signature of prenatal cigarette smoke exposure in childhood. *Environmental Research*, **2016**, 144, 139-148	7.9	75
43	Epigenetic Signatures as Biomarkers of Exposure. *Current Environmental Health Reports*, **2015**, 2, 117-25	6.5	63
42	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. *International Journal of Epidemiology*, **2018**, 47, 22-23u	7.8	62
41	Accurate genome-scale percentage DNA methylation estimates from microarray data. *Biostatistics*, **2011**, 12, 197-210	3.7	62

40	Elevated polygenic burden for autism is associated with differential DNA methylation at birth. *Genome Medicine*, **2018**, 10, 19	14.4	58
39	Case-control meta-analysis of blood DNA methylation and autism spectrum disorder. *Molecular Autism*, **2018**, 9, 40	6.5	48
38	Pleiotropic Mechanisms Indicated for Sex Differences in Autism. *PLoS Genetics*, **2016**, 12, e1006425	6	45
37	Maternal Gestational Diabetes Mellitus and Newborn DNA Methylation: Findings From the Pregnancy and Childhood Epigenetics Consortium. *Diabetes Care*, **2020**, 43, 98-105	14.6	45
36	Cross-tissue integration of genetic and epigenetic data offers insight into autism spectrum disorder. *Nature Communications*, **2017**, 8, 1011	17.4	44
35	Prenatal exposure to fever is associated with autism spectrum disorder in the boston birth cohort. *Autism Research*, **2017**, 10, 1878-1890	5.1	35
34	"Gap hunting" to characterize clustered probe signals in Illumina methylation array data. *Epigenetics and Chromatin*, **2016**, 9, 56	5.8	34
33	Patients with a Kabuki syndrome phenotype demonstrate DNA methylation abnormalities. *European Journal of Human Genetics*, **2017**, 25, 1335-1344	5.3	33
32	Epigenetic marks of prenatal air pollution exposure found in multiple tissues relevant for child health. *Environment International*, **2019**, 126, 363-376	12.9	31
31	Genome-wide DNA methylation associations with spontaneous preterm birth in US blacks: findings in maternal and cord blood samples. *Epigenetics*, **2018**, 13, 163-172	5.7	30
30	Variable DNA methylation in neonates mediates the association between prenatal smoking and birth weight. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20180120	5.8	28
29	Parent-of-origin effects in autism identified through genome-wide linkage analysis of 16,000 SNPs. *PLoS ONE*, **2010**, 5, e12513	3.7	28
28	Beyond the looking glass: recent advances in understanding the impact of environmental exposures on neuropsychiatric disease. *Neuropsychopharmacology*, **2020**, 45, 1086-1096	8.7	27
27	Cadmium, Smoking, and Human Blood DNA Methylation Profiles in Adults from the Strong Heart Study. *Environmental Health Perspectives*, **2020**, 128, 67005	8.4	22
26	Early Life Exposure to Air Pollution and Autism Spectrum Disorder: Findings from a Multisite Case-Control Study. *Epidemiology*, **2020**, 31, 103-114	3.1	21
25	Opportunities and Challenges for Environmental Exposure Assessment in Population-Based Studies. *Cancer Epidemiology Biomarkers and Prevention*, **2017**, 26, 1370-1380	4	17
24	DNA methylation signatures as biomarkers of prior environmental exposures. *Current Epidemiology Reports*, **2019**, 6, 1-13	2.9	14
23	Adult mouse hippocampal transcriptome changes associated with long-term behavioral and metabolic effects of gestational air pollution toxicity. *Translational Psychiatry*, **2020**, 10, 218	8.6	12

22	Familial confounding of the association between maternal smoking in pregnancy and autism spectrum disorder in offspring. *Autism Research*, **2020**, 13, 134-144	5.1	11
21	epigenetics of metal exposure and subclinical atherosclerosis in middle aged men: pilot results from the Aragon Workers Health Study. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	10
20	Interaction between Maternal Immune Activation and Antibiotic Use during Pregnancy and Child Risk of Autism Spectrum Disorder. *Autism Research*, **2020**, 13, 2230-2241	5.1	9
19	A meta-analysis of two high-risk prospective cohort studies reveals autism-specific transcriptional changes to chromatin, autoimmune, and environmental response genes in umbilical cord blood. *Molecular Autism*, **2019**, 10, 36	6.5	8
18	Genome, Environment, Microbiome and Metabolome in Autism (GEMMA) Study Design: Biomarkers Identification for Precision Treatment and Primary Prevention of Autism Spectrum Disorders by an Integrated Multi-Omics Systems Biology Approach. *Brain Sciences*, **2020**, 10,	3.4	6
17	The Association Between Parental Age and Autism-Related Outcomes in Children at High Familial Risk for Autism. *Autism Research*, **2020**, 13, 998-1010	5.1	4
16	Maternal Psychiatric Conditions, Treatment With Selective Serotonin Reuptake Inhibitors, and Neurodevelopmental Disorders. *Biological Psychiatry*, **2021**, 90, 253-262	7.9	4
15	The Evolving Field of Genetic Epidemiology: From Familial Aggregation to Genomic Sequencing. *American Journal of Epidemiology*, **2019**, 188, 2069-2077	3.8	3
14	Invited Commentary: Is DNA Methylation an Actionable Mediator of Prenatal Exposure Effects on Child Health?. *American Journal of Epidemiology*, **2019**, 188, 1887-1889	3.8	3
13	Interaction of Cigarette Smoking and Polygenic Risk Score on Reduced Lung Function.. *JAMA Network Open*, **2021**, 4, e2139525	10.4	3
12	A meta-analysis of two high-risk prospective cohort studies reveals autism-specific transcriptional changes to chromatin, autoimmune, and environmental response genes in umbilical cord blood		2
11	Placenta DNA methylation at ZNF300 is associated with fetal sex and placental morphology		2
10	Distributional Properties and Criterion Validity of a Shortened Version of the Social Responsiveness Scale: Results from the ECHO Program and Implications for Social Communication Research. *Journal of Autism and Developmental Disorders*, **2021**, 51, 2241-2253	4.6	2
9	Individual and Combined Association Between Prenatal Polysubstance Exposure and Childhood Risk of Attention-Deficit/Hyperactivity Disorder.. *JAMA Network Open*, **2022**, 5, e221957	10.4	2
8	Association between pica and gastrointestinal symptoms in preschoolers with and without autism spectrum disorder: Study to Explore Early Development. *Disability and Health Journal*, **2021**, 14, 101052	4.2	1
7	An Erythroid Differentiation Gene Expression Signature Predicts Response to Lenalidomide in Myelodysplasia.. *Blood*, **2006**, 108, 2668-2668	2.2	1
6	Autism-Associated DNA Methylation at Birth From Multiple Tissues Is Enriched for Autism Genes in the Early Autism Risk Longitudinal Investigation.. *Frontiers in Molecular Neuroscience*, **2021**, 14, 775390	6.1	1
5	Maternal tobacco smoking and offspring autism spectrum disorder or traits in ECHO cohorts.. *Autism Research*, **2022**,	5.1	1

4	Epigenome-wide association study of serum urate reveals insights into urate co-regulation and the SLC2A9 locus. *Nature Communications*, **2021**, 12, 7173	17.4	1
3	Cerebral cortex and blood transcriptome changes in mouse neonates prenatally exposed to air pollution particulate matter. *Journal of Neurodevelopmental Disorders*, **2021**, 13, 30	4.6	0
2	Early developmental exposure to air pollution increases the risk of Alzheimers disease and amyloid production: Studies in mouse and Caenorhabditis elegans. *Alzheimer's and Dementia*, **2020**, 16, e043846	1.2	
1	The role of epigenetics in respiratory health in urban populations in low and middle-income countries. *Global Health, Epidemiology and Genomics*, **2019**, 4, e8	2.9	