Maria Tellez-Plaza

List of Publications by Year
in descending order

87 papers	4,239 citations	109321 35 h-index	114465 63 g-index
90 all docs	90 docs citations	90 times ranked	5264 citing authors

#	Article	IF	Citations
1	Blood Cadmium and Lead and Chronic Kidney Disease in US Adults: A Joint Analysis. American Journal of Epidemiology, 2009, 170, 1156-1164.	3.4	313
2	Cadmium Exposure and Incident Cardiovascular Disease. Epidemiology, 2013, 24, 421-429.	2.7	277
3	Cadmium Exposure and Hypertension in the 1999â€“2004 National Health and Nutrition Examination Survey (NHANES). Environmental Health Perspectives, 2008, 116, 51-56.	6.0	256
4	Cadmium Exposure and All-Cause and Cardiovascular Mortality in the U.S. General Population. Environmental Health Perspectives, 2012, 120, 1017-1022.	6.0	217
5	Cadmium Exposure and Clinical Cardiovascular Disease: A Systematic Review. Current Atherosclerosis Reports, 2013, 15, 356.	4.8	203
6	Environmental chemicals and DNA methylation in adults: a systematic review of the epidemiologic evidence. Clinical Epigenetics, 2015, 7, 55.	4.1	166
7	Cadmium Exposure and Cancer Mortality in a Prospective Cohort: The Strong Heart Study. Environmental Health Perspectives, 2014, 122, 363-370.	6.0	143
8	Reduction in Cadmium Exposure in the United States Population, 1988â€“2008: The Contribution of Declining Smoking Rates. Environmental Health Perspectives, 2012, 120, 204-209.	6.0	128
9	Blood Lead Level and Kidney Function in US Adolescents. Archives of Internal Medicine, 2010, 170, 75.	3.8	126
10	Arsenic species and selected metals in human urine: validation of HPLC/ICPMS and ICPMS procedures for a long-term population-based epidemiological study. Analytical Methods, 2012, 4, 406.	2.7	121
11	Environmental Metals and Cardiovascular Disease in Adults: A Systematic Review Beyond Lead and Cadmium. Current Environmental Health Reports, 2016, 3, 416-433.	6.7	105
12	Association of Global DNA Methylation and Global DNA Hydroxymethylation with Metals and Other Exposures in Human Blood DNA Samples. Environmental Health Perspectives, 2014, 122, 946-954.	6.0	102
13	Cadmium and Peripheral Arterial Disease: Gender Differences in the 1999â€“2004 US National Health and Nutrition Examination Survey. American Journal of Epidemiology, 2010, 172, 671-681.	3.4	85
14	The association of urine metals and metal mixtures with cardiovascular incidence in an adult population from Spain: the Hortega Follow-Up Study. International Journal of Epidemiology, 2019, 48, 1839-1849.	1.9	75
15	Lipid profile, cardiovascular disease and mortality in a Mediterranean high-risk population: The ESCARVAL-RISK study. PLoS ONE, 2017, 12, e0186196.	2.5	72
16	Blood Cadmium and Estimated Glomerular Filtration Rate in Korean Adults. Environmental Health Perspectives, 2011, 119, 1800-1805.	6.0	71
17	Blood Concentrations of Persistent Organic Pollutants and Prediabetes and Diabetes in the General Population of Catalonia. Environmental Science & Technology, 2012, 46, 7799-7810.	10.0	69
18	Declining exposures to lead and cadmium contribute to explaining the reduction of cardiovascular mortality in the US population, 1988â€“2004. International Journal of Epidemiology, 2017, 46, 1903-1912.	1.9	69

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19	Urinary metals and metal mixtures and oxidative stress biomarkers in an adult population from Spain: The Hortega Study. Environment International, 2019, 123, 171-180.	10.0	68
20	Urine Arsenic and Hypertension in US Adults. Epidemiology, 2011, 22, 153-161.	2.7	67
21	Urine Arsenic and Prevalent Albuminuria: Evidence From a Population-Based Study. American Journal of Kidney Diseases, 2013, 61, 385-394.	1.9	62
22	Cadmium Exposure and Incident Peripheral Arterial Disease. Circulation: Cardiovascular Quality and Outcomes, 2013, 6, 626-633.	2.2	61
23	Estimation of Inorganic Arsenic Exposure in Populations With Frequent Seafood Intake: Evidence From MESA and NHANES. American Journal of Epidemiology, 2016, 184, 590-602.	3.4	60
24	Cadmium, Smoking, and Human Blood DNA Methylation Profiles in Adults from the Strong Heart Study. Environmental Health Perspectives, 2020, 128, 67005.	6.0	57
25	Impact of hypertension on mortality and cardiovascular disease burden in patients with cardiovascular risk factors from a general practice setting. Journal of Hypertension, 2016, 34, 1075-1083.	0.5	55
26	Cadmium body burden and increased blood pressure in middle-aged American Indians: the Strong Heart Study. Journal of Human Hypertension, 2017, 31, 225-230.	2.2	55
27	Arsenic exposure, diabetes-related genes and diabetes prevalence in a general population from Spain. Environmental Pollution, 2018, 235, 948-955.	7.5	52
28	LDL particle size and composition and incident cardiovascular disease in a South-European population: The Hortega-Liposcale Follow-up Study. International Journal of Cardiology, 2018, 264, 172-178.	1.7	52
29	Menthol Cigarettes, Race/Ethnicity, and Biomarkers of Tobacco Use in U.S. Adults: The 1999â€“2010 National Health and Nutrition Examination Survey (NHANES). Cancer Epidemiology Biomarkers and Prevention, 2013, 22, 224-232.	2.5	49
30	Plasma selenium levels and oxidative stress biomarkers: A geneâ€“environment interaction population-based study. Free Radical Biology and Medicine, 2014, 74, 229-236.	2.9	49
31	Urine cadmium levels and albuminuria in a general population from Spain: A gene-environment interaction analysis. Environment International, 2017, 106, 27-36.	10.0	44
32	Identification of differentially methylated BRCA1 and CRISP2 DNA regions as blood surrogate markers for cardiovascular disease. Scientific Reports, 2017, 7, 5120.	3.3	42
33	A gene-environment interaction analysis of plasma selenium with prevalent and incident diabetes: The Hortega study. Redox Biology, 2017, 12, 798-805.	9.0	40
34	Cadmium body burden, hypertension, and changes in blood pressure over time: results from a prospective cohort study in American Indians. Journal of the American Society of Hypertension, 2018, 12, 426-437.e9.	2.3	39
35	Toxic metals in toenails as biomarkers of exposure: A review. Environmental Research, 2021, 197, 111028.	7.5	39
36	Arsenic, cadmium, and selenium exposures and bone mineral density-related endpoints: The HORTEGA study. Free Radical Biology and Medicine, 2021, 162, 392-400.	2.9	35

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37	Environmental metals and cardiovascular disease. BMJ: British Medical Journal, 2018, 362, k3435.	2.3	35
38	Association of Arsenic Exposure With Cardiac Geometry and Left Ventricular Function in Young Adults. Circulation: Cardiovascular Imaging, 2019, 12, e009018.	2.6	34
39	Heritability and Preliminary Genome-Wide Linkage Analysis of Arsenic Metabolites in Urine. Environmental Health Perspectives, 2013, 121, 345-351.	6.0	31
40	Smoking, Menthol Cigarettes and All-Cause, Cancer and Cardiovascular Mortality: Evidence from the National Health and Nutrition Examination Survey (NHANES) and a Meta-Analysis. PLoS ONE, 2013, 8, e77941.	2.5	31
41	Meta-analyses identify DNA methylation associated with kidney function and damage. Nature Communications, 2021, 12, 7174.	12.8	30
42	Peripheral Arterial Disease and Its Association With Arsenic Exposure and Metabolism in the Strong Heart Study. American Journal of Epidemiology, 2016, 184, 806-817.	3.4	29
43	Mortality and cardiovascular disease burden of uncontrolled diabetes in a registry-based cohort: the ESCARVAL-risk study. BMC Cardiovascular Disorders, 2018, 18, 180.	1.7	29
44	Cadmium exposure and incident peripheral arterial disease. Circulation: Cardiovascular Quality and Outcomes, 2013, 6, 626-33.	2.2	28
45	Dietary determinants of cadmium exposure in the Strong Heart Family Study. Food and Chemical Toxicology, 2017, 100, 239-246.	3.6	25
46	Blood DNA Methylation and Incident Coronary Heart Disease. JAMA Cardiology, 2021, 6, 1237.	6.1	24
47	Urinary metals and leukocyte telomere length in American Indian communities: The Strong Heart and the Strong Heart Family Study. Environmental Pollution, 2019, 246, 311-318.	7.5	23
48	Locus-Specific Differential DNA Methylation and Urinary Arsenic: An Epigenome-Wide Association Study in Blood among Adults with Low-to-Moderate Arsenic Exposure. Environmental Health Perspectives, 2020, 128, 67015.	6.0	23
49	Ethnic, geographic and dietary differences in arsenic exposure in the multi-ethnic study of atherosclerosis (MESA). Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 310-322.	3.9	20
50	Arsenic Exposure, Blood DNA Methylation, and Cardiovascular Disease. Circulation Research, 2022, 131, .	4.5	20
51	Blood Concentrations of Persistent Organic Pollutants and Unhealthy Metabolic Phenotypes in Normal-Weight, Overweight, and Obese Individuals. American Journal of Epidemiology, 2018, 187, 494-506.	3.4	19
52	Healthy lifestyle, metabolomics and incident type 2 diabetes in a population-based cohort from Spain. International Journal of Behavioral Nutrition and Physical Activity, 2022, 19, 8.	4.6	19
53	In silico 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, 20170084.	4.0	18
54	Toxic Metals and Subclinical Atherosclerosis in Carotid, Femoral, and Coronary Vascular Territories: The Aragon Workers Health Study. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 87-99.	2.4	17

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55	Associations of maternal arsenic exposure with adult fasting glucose and insulin resistance in the Strong Heart Study and Strong Heart Family Study. Environment International, 2020, 137, 105531.	10.0	16
56	Metal biomarker mixtures and blood pressure in the United States: cross-sectional findings from the 1999-2006 National Health and Nutrition Examination Survey (NHANES). Environmental Health, 2021, 20, 15.	4.0	16
57	DNA methylation and adiposity phenotypes: an epigenome-wide association study among adults in the Strong Heart Study. International Journal of Obesity, 2020, 44, 2313-2322.	3.4	15
58	Desigualdades sociales en la mortalidad cardiovascular en EspaÃ±a desde una perspectiva interseccional. Revista Espanola De Cardiologia, 2020, 73, 282-289.	1.2	15
59	Linkage Analysis of Urine Arsenic Species Patterns in the Strong Heart Family Study. Toxicological Sciences, 2015, 148, 89-100.	3.1	14
60	Association of Geography and Ambient Air Pollution with Urine Metal Concentrations in Six US Cities: The Multi-Ethnic Study of Atherosclerosis. International Journal of Environmental Research and Public Health, 2016, 13, 324.	2.6	13
61	Impact of declining exposure to secondhand tobacco smoke in public places to decreasing smoking-related cancer mortality in the US population. Environment International, 2018, 117, 260-267.	10.0	12
62	Cohort profile: the Hortega Study for the evaluation of non-traditional risk factors of cardiometabolic and other chronic diseases in a general population from Spain. BMJ Open, 2019, 9, e024073.	1.9	12
63	MLML2R: an R package for maximum likelihood estimation of DNA methylation and hydroxymethylation proportions. Statistical Applications in Genetics and Molecular Biology, 2019, 18, .	0.6	12
64	Metal exposure and biomarker levels among e-cigarette users in Spain. Environmental Research, 2021, 202, 111667.	7.5	12
65	Social inequalities in tobacco-attributable mortality in Spain. The intersection between age, sex and educational level. PLoS ONE, 2020, 15, e0239866.	2.5	12
66	Ethnic, Geographic, and Genetic Differences in Arsenic Metabolism at Low Arsenic Exposure: A Preliminary Analysis in the Multi-Ethnic Study of Atherosclerosis (MESA). International Journal of Environmental Research and Public Health, 2018, 15, 1179.	2.6	11
67	Arsenic, blood pressure, and hypertension in the Strong Heart Family Study. Environmental Research, 2021, 195, 110864.	7.5	11
68	Do Genes Modify the Association of Selenium and Lipid Levels?. Antioxidants and Redox Signaling, 2015, 22, 1352-1362.	5.4	10
69	Gene-environment interaction analysis of redox-related metals and genetic variants with plasma metabolic patterns in a general population from Spain: The Hortega Study. Redox Biology, 2022, 52, 102314.	9.0	9
70	DNA methylation and cancer incidence: lymphaticâ€“hematopoietic versus solid cancers in the Strong Heart Study. Clinical Epigenetics, 2021, 13, 43.	4.1	8
71	Renal function and attributable risk of death and cardiovascular hospitalization in patients with cardiovascular risk factors from a registry-based cohort. Journal of Hypertension, 2016, 34, 2266-2273.	0.5	7
72	Mendelian Randomization and the Environmental Epigenetics of Health: a Systematic Review. Current Environmental Health Reports, 2019, 6, 38-51.	6.7	7

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73	Blood cadmium and physical function limitations in older adults. Environmental Pollution, 2021, 276, 116748.	7.5	7
74	Arsenic exposure and human blood DNA methylation and hydroxymethylation profiles in two diverse populations from Bangladesh and Spain. Environmental Research, 2022, 204, 112021.	7.5	6
75	Cadmium and Cardiovascular Risk. Epidemiology, 2013, 24, 784-785.	2.7	5
76	Metal and metalloid levels in topsoil and municipal cardiovascular mortality in Spain. Environmental Research, 2022, 204, 112395.	7.5	5
77	Genetic variation and urine cadmium levels: ABCC1 effects in the Strong Heart Family Study. Environmental Pollution, 2021, 276, 116717.	7.5	3
78	High Level of Selenium Exposure in the Strong Heart Study: A Cause for Incident Cardiovascular Disease?. Antioxidants and Redox Signaling, 2022, 37, 990-997.	5.4	3
79	Improving Mortality Prediction in Cardiovascular Risk Patients by Balancing Classes. , 2015, , .		2
80	A Tobit Model to Address the Instrumental Limit of Detection in the Study of Blood Cadmium and Peripheral Arterial Disease in US Adults. Epidemiology, 2009, 20, S187.	2.7	2
81	Blood Cadmium and Chronic Kidney Disease in Korean Adults. Epidemiology, 2011, 22, S75.	2.7	1
82	Immune-unreactive urinary albumin as a predictor of cardiovascular events: the Hortega Study. Nephrology Dialysis Transplantation, 2019, 34, 633-641.	0.7	1
83	Renal function and attributable risk of death and cardiovascular hospitalization in participants with diabetes from a registry-based cohort. Primary Care Diabetes, 2021, 15, 88-94.	1.8	1
84	E-006. Epidemiology, 2012, 23, 1.	2.7	0
85	P-435. Epidemiology, 2012, 23, 1.	2.7	0
86	Abstract MP31: Blood DNA Methylation Signatures of Incident Coronary Heart Disease: An Epigenome-wide Analysis in the Strong Heart Study. Circulation, 2020, 141, .	1.6	0
87	An epigenome-wide study of DNA methylation profiles and lung function among American Indians in the Strong Heart Study. Clinical Epigenetics, 2022, 14, .	4.1	0