Marie Abele Bind

List of Publications by Year
in descending order

48	2,308	304743 22	233421 45
papers	citations	h-index	g-index

53	53	53	3835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cardiovascular effects of air pollution. Archives of Cardiovascular Diseases, 2017, 110, 634-642.	1.6	329
2	Air Pollution and Markers of Coagulation, Inflammation, and Endothelial Function. Epidemiology, 2012, 23, 332-340.	2.7	259
3	Air pollution and gene-specific methylation in the Normative Aging Study. Epigenetics, 2014, 9, 448-458.	2.7	159
4	Long-Term Exposure to Ambient Fine Particulate Matter and Renal Function in Older Men: The Veterans Administration Normative Aging Study. Environmental Health Perspectives, 2016, 124, 1353-1360.	6.0	153
5	The impact of outdoor air pollution on COVID-19: a review of evidence from in vitro, animal, and human studies. European Respiratory Review, 2021, 30, 200242.	7.1	150
6	Racial and Ethnic Disparities in Early Childhood Obesity. Pediatrics, 2018, 141, .	2.1	124
7	Particulate Air Pollution and Fasting Blood Glucose in Nondiabetic Individuals: Associations and Epigenetic Mediation in the Normative Aging Study, 2000â€“2011. Environmental Health Perspectives, 2016, 124, 1715-1721.	6.0	104
8	Quantile Regression Analysis of the Distributional Effects of Air Pollution on Blood Pressure, Heart Rate Variability, Blood Lipids, and Biomarkers of Inflammation in Elderly American Men: The Normative Aging Study. Environmental Health Perspectives, 2016, 124, 1189-1198.	6.0	89
9	Estimating Causal Effects of Local Air Pollution on Daily Deaths: Effect of Low Levels. Environmental Health Perspectives, 2017, 125, 23-29.	6.0	83
10	Traffic-Related Air Pollution, Blood Pressure, and Adaptive Response of Mitochondrial Abundance. Circulation, 2016, 133, 378-387.	1.6	77
11	Causal mediation analysis for longitudinal data with exogenous exposure. Biostatistics, 2016, 17, 122-134.	1.5	68
12	Effects of Temperature and Relative Humidity on DNA Methylation. Epidemiology, 2014, 25, 561-569.	2.7	65
13	Ozone, NO2 and PM10 are associated with the occurrence of multiple sclerosis relapses. Evidence from seasonal multi-pollutant analyses. Environmental Research, 2018, 163, 43-52.	7.5	50
14	Estimating Causal Associations of Fine Particles With Daily Deaths in Boston: Table 1.. American Journal of Epidemiology, 2015, 182, 644-650.	3.4	46
15	Causal Modeling in Environmental Health. Annual Review of Public Health, 2019, 40, 23-43.	17.4	42
16	Beyond the Mean: Quantile Regression to Explore the Association of Air Pollution with Gene-Specific Methylation in the Normative Aging Study. Environmental Health Perspectives, 2015, 123, 759-765.	6.0	41
17	Fine particles, genetic pathways, and markers of inflammation and endothelial dysfunction: Analysis on particulate species and sources. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 415-421.	3.9	41
18	Cardiac Autonomic Dysfunction: Particulate Air Pollution Effects Are Modulated by Epigenetic Immunoregulation of Tollâ€like Receptor 2 and Dietary Flavonoid Intake. Journal of the American Heart Association, 2015, 4, e001423.	3.7	40

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19	Human aging DNA methylation signatures are conserved but accelerated in cultured fibroblasts. Epigenetics, 2019, 14, 961-976.	2.7	36
20	Bridging observational studies and randomized experiments by embedding the former in the latter. Statistical Methods in Medical Research, 2019, 28, 1958-1978.	1.5	30
21	When possible, report a Fisher-exact P value and display its underlying null randomization distribution. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19151-19158.	7.1	30
22	A Novel Genetic Score Approach Using Instruments to Investigate Interactions between Pathways and Environment: Application to Air Pollution. PLoS ONE, 2014, 9, e96000.	2.5	30
23	Larval zebrafish as an in vitro model for evaluating toxicological effects of mycotoxins. Ecotoxicology and Environmental Safety, 2020, 202, 110909.	6.0	25
24	Joint and independent neurotoxic effects of early life exposures to a chemical mixture. Environmental Epidemiology, 2019, 3, e063.	3.0	19
25	Collective behavior emerges from genetically controlled simple behavioral motifs in zebrafish. Science Advances, 2021, 7, eabi7460.	10.3	19
26	Serum vaccine antibody concentrations in adults exposed to per- and polyfluoroalkyl substances: A birth cohort in the Faroe Islands. Journal of Immunotoxicology, 2021, 18, 85-92.	1.7	17
27	Comparing apples to apples: an environmental criminology analysis of the effects of heat and rain on violent crimes in Boston. Palgrave Communications, 2018, 4, .	4.7	17
28	The Role of Ambient Particle Radioactivity in Inflammation and Endothelial Function in an Elderly Cohort. Epidemiology, 2020, 31, 499-508.	2.7	16
29	Ecology of the cardiovascular system: Part II â€“ A focus on non-air related pollutants. Trends in Cardiovascular Medicine, 2019, 29, 274-282.	4.9	15
30	Distributional changes in gene-specific methylation associated with temperature. Environmental Research, 2016, 150, 38-46.	7.5	14
31	Quantile causal mediation analysis allowing longitudinal data. Statistics in Medicine, 2017, 36, 4182-4195.	1.6	12
32	Heterogeneous ozone effects on the DNA methylome of bronchial cells observed in a crossover study. Scientific Reports, 2020, 10, 15739.	3.3	12
33	Synthesis of Harvard Environmental Protection Agency (EPA) Center studies on traffic-related particulate pollution and cardiovascular outcomes in the Greater Boston Area. Journal of the Air and Waste Management Association, 2019, 69, 900-917.	1.9	11
34	Editorâ€™s Highlight: Modifying Role of Endothelial Function Gene Variants on the Association of Long-Term PM2.5 Exposure With Blood DNA Methylation Age: The VA Normative Aging Study. Toxicological Sciences, 2017, 158, 116-126.	3.1	10
35	Controlled human exposures to diesel exhaust: a human epigenome-wide experiment of target bronchial epithelial cells. Environmental Epigenetics, 2021, 7, dvab003.	1.8	10
36	Educational Interventions on Human Papillomavirus for Oral Health Providers. Journal of Cancer Education, 2020, 35, 689-695.	1.3	9

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37	An educational intervention on HPV knowledge and comfortability discussing vaccination among oral health care professionals of the American Indian and Alaskan Native population. Human Vaccines and Immunotherapeutics, 2020, 16, 3131-3137.	3.3	8
38	A randomization-based causal inference framework for uncovering environmental exposure effects on human gut microbiota. PLoS Computational Biology, 2022, 18, e1010044.	3.2	8
39	Study of locomotion response and development in zebrafish (Danio rerio) embryos and larvae exposed to enniatin A, enniatin B, and beauvericin. Science of the Total Environment, 2021, 777, 146075.	8.0	7
40	Multiple sclerosis incidence rate in southern Iran: a Bayesian epidemiological study. BMC Neurology, 2021, 21, 309.	1.8	7
41	Assessing environmental epidemiology questions in practice with a causal inference pipeline: An investigation of the air pollutionâ€multiple sclerosis relapses relationship. Statistics in Medicine, 2021, 40, 1321-1335.	1.6	7
42	The role of family history of Cancer in Oral Cavity Cancer. Head & Face Medicine, 2021, 17, 48.	2.1	5
43	The role of body mass index at diagnosis of colorectal cancer on Blackâ€“White disparities in survival: a density regression mediation approach. Biostatistics, 2020, , .	1.5	3
44	Randomization-based inference for Bernoulli trial experiments and implications for observational studies. Statistical Methods in Medical Research, 2019, 28, 1378-1398.	1.5	3
45	Investigation of Adiposity Measures and Operational Taxonomic unit (OTU) Data Transformation Procedures in Stool Samples from a German Cohort Study Using Machine Learning Algorithms. Microorganisms, 2020, 8, 547.	3.6	1
46	Three Authors Reply. American Journal of Epidemiology, 2016, 183, 595-596.	3.4	0
47	Racial and Ethnic Disparities in Early Childhood Obesity. , 2018, , 58-72.		0
48	The CanCope Study: Protocol for a Randomized Controlled Trial Assessing an Internet-Delivered Emotion-Focused Intervention Compared to a Healthy Lifestyle Active Control Intervention in Improving Mental Health in Cancer Survivors (Preprint). JMIR Research Protocols, 0, , .	1.0	0