Frederica Perera

List of Publications by Year
in descending order

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101	9,921	76326 40	42399 92
papers	citations	h-index	g-index

102	102	102	13105
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Lancet Commission on pollution and health. Lancet, The, 2018, 391, 462-512.	13.7	2,747
2	Prenatal Exposure to PBDEs and Neurodevelopment. Environmental Health Perspectives, 2010, 118, 712-719.	6.0	588
3	Pollution from Fossil-Fuel Combustion is the Leading Environmental Threat to Global Pediatric Health and Equity: Solutions Exist. International Journal of Environmental Research and Public Health, 2018, 15, 16.	2.6	572
4	Prenatal environmental exposures, epigenetics, and disease. Reproductive Toxicology, 2011, 31, 363-373.	2.9	495
5	Seven-Year Neurodevelopmental Scores and Prenatal Exposure to Chlorpyrifos, a Common Agricultural Pesticide. Environmental Health Perspectives, 2011, 119, 1196-1201.	6.0	433
6	Relation of DNA Methylation of 5â€²-CpG Island of ACSL3 to Transplacental Exposure to Airborne Polycyclic Aromatic Hydrocarbons and Childhood Asthma. PLoS ONE, 2009, 4, e4488.	2.5	345
7	Prenatal Bisphenol A Exposure and Child Behavior in an Inner-City Cohort. Environmental Health Perspectives, 2012, 120, 1190-1194.	6.0	281
8	Effects of Prenatal Exposure to Air Pollutants (Polycyclic Aromatic Hydrocarbons) on the Development of Brain White Matter, Cognition, and Behavior in Later Childhood. JAMA Psychiatry, 2015, 72, 531.	11.0	270
9	Prenatal Exposure to Airborne Polycyclic Aromatic Hydrocarbons and Childrenâ€™s Intelligence at 5 Years of Age in a Prospective Cohort Study in Poland. Environmental Health Perspectives, 2010, 118, 1326-1331.	6.0	260
10	Small-Magnitude Effect Sizes in Epigenetic End Points are Important in Childrenâ€™s Environmental Health Studies: The Childrenâ€™s Environmental Health and Disease Prevention Research Centerâ€™s Epigenetics Working Group. Environmental Health Perspectives, 2017, 125, 511-526.	6.0	243
11	Combined Inhaled Diesel Exhaust Particles and Allergen Exposure Alter Methylation of T Helper Genes and IgE Production In Vivo. Toxicological Sciences, 2008, 102, 76-81.	3.1	204
12	DNA Damage from Polycyclic Aromatic Hydrocarbons Measured by Benzo[a]pyrene-DNA Adducts in Mothers and Newborns from Northern Manhattan, The World Trade Center Area, Poland, and China. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 709-714.	2.5	202
13	Association of Childhood Obesity With Maternal Exposure to Ambient Air Polycyclic Aromatic Hydrocarbons During Pregnancy. American Journal of Epidemiology, 2012, 175, 1163-1172.	3.4	198
14	Effects of Prenatal Exposure to Coal-Burning Pollutants on Childrenâ€™s Development in China. Environmental Health Perspectives, 2008, 116, 674-679.	6.0	167
15	Climate Change, Fossil-Fuel Pollution, and Childrenâ€™s Health. New England Journal of Medicine, 2022, 386, 2303-2314.	27.0	145
16	Maternal Exposure to Polycyclic Aromatic Hydrocarbons and 5â€™-CpG Methylation of Interferon-Î³ in Cord White Blood Cells. Environmental Health Perspectives, 2012, 120, 1195-1200.	6.0	138
17	Effects of Prenatal Exposure to Mercury on Cognitive and Psychomotor Function in One-Year-Old Infants: Epidemiologic Cohort Study in Poland. Annals of Epidemiology, 2006, 16, 439-447.	1.9	129
18	Persistent Associations between Maternal Prenatal Exposure to Phthalates on Child IQ at Age 7 Years. PLoS ONE, 2014, 9, e114003.	2.5	127

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19	Bisphenol A exposure and symptoms of anxiety and depression among inner city children at 10â€“12 years of age. Environmental Research, 2016, 151, 195-202.	7.5	120
20	PAHâ€“DNA Adducts in Cord Blood and Fetal and Child Development ina Chinese Cohort. Environmental Health Perspectives, 2006, 114, 1297-1300.	6.0	112
21	Gender specific differences in neurodevelopmental effects of prenatal exposure to very low-lead levels: The prospective cohort study in three-year olds. Early Human Development, 2009, 85, 503-510.	1.8	108
22	Ambient Metals, Elemental Carbon, and Wheeze and Cough in New York City Children through 24 Months of Age. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 1107-1113.	5.6	102
23	Fish consumption in pregnancy, cord blood mercury level and cognitive and psychomotor development of infants followed over the first three years of life. Environment International, 2007, 33, 1057-1062.	10.0	90
24	Benefits of Reducing Prenatal Exposure to Coal-Burning Pollutants to Childrenâ€™s Neurodevelopment in China. Environmental Health Perspectives, 2008, 116, 1396-1400.	6.0	89
25	Does the home environment and the sex of the child modify the adverse effects of prenatal exposure to chlorpyrifos on child working memory?. Neurotoxicology and Teratology, 2012, 34, 534-541.	2.4	83
26	DNA adducts as markers of exposure to carcinogens and risk of cancer. International Journal of Cancer, 2000, 88, 325-328.	5.1	82
27	Estimating Individual-Level Exposure to Airborne Polycyclic Aromatic Hydrocarbons throughout the Gestational Period Based on Personal, Indoor, and Outdoor Monitoring. Environmental Health Perspectives, 2008, 116, 1509-1518.	6.0	77
28	DNA adducts and cancer risk in prospective studies: a pooled analysis and a meta-analysis. Carcinogenesis, 2008, 29, 932-936.	2.8	70
29	Healthy Air, Healthy Brains: Advancing Air Pollution Policy to Protect Childrenâ€™s Health. American Journal of Public Health, 2019, 109, 550-554.	2.7	67
30	Health benefits of improving air quality in Taiyuan, China. Environment International, 2014, 73, 235-242.	10.0	63
31	Prenatal airborne polycyclic aromatic hydrocarbon exposure, LINE1 methylation and child development in a Chinese cohort. Environment International, 2017, 99, 315-320.	10.0	61
32	Prenatal air pollution exposure and neurodevelopment: A review and blueprint for a harmonized approach within ECHO. Environmental Research, 2021, 196, 110320.	7.5	53
33	Air pollution effects on fetal and child development: A cohort comparison in China. Environmental Pollution, 2014, 185, 90-96.	7.5	51
34	Sulfotransferase 1A1 (SULT1A1) Polymorphism, PAH-DNA Adduct Levels in Breast Tissue and Breast Cancer Risk in a Case-Control Study. Breast Cancer Research and Treatment, 2003, 78, 217-222.	2.5	50
35	Time trends of polycyclic aromatic hydrocarbon exposure in New York city from 2001 to 2012: Assessed by repeat air and urine samples. Environmental Research, 2014, 131, 95-103.	7.5	50
36	Shorter telomere length in cord blood associated with prenatal air pollution exposure: Benefits of intervention. Environment International, 2018, 113, 335-340.	10.0	47

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37	Expression quantitative trait locus fine mapping of the 17q12â€“21 asthma locus in African American children: a genetic association and gene expression study. Lancet Respiratory Medicine,the, 2020, 8, 482-492.	10.7	47
38	Associations between prenatal and childhood PBDE exposure and early adolescent visual, verbal and working memory. Environment International, 2018, 118, 9-16.	10.0	45
39	Molecular and Neurodevelopmental Benefits to Children of Closure of a Coal Burning Power Plant in China. PLoS ONE, 2014, 9, e91966.	2.5	42
40	Exposure to PM2.5 and PAHs from the Tong Liang, China Epidemiological Study. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 517-542.	1.7	41
41	Cognitive function of 6-year old children exposed to mold-contaminated homes in early postnatal period. Prospective birth cohort study in Poland. Physiology and Behavior, 2011, 104, 989-995.	2.1	40
42	Guidelines for Modeling and Reporting Health Effects of Climate Change Mitigation Actions. Environmental Health Perspectives, 2020, 128, 115001.	6.0	40
43	Molecular epidemiologic studies of polycyclic aromatic hydrocarbon-DNA adducts and breast cancer. Environmental and Molecular Mutagenesis, 2002, 39, 201-207.	2.2	37
44	Prenatal exposure to polycyclic aromatic hydrocarbons/aromatics, BDNF and child development. Environmental Research, 2015, 142, 602-608.	7.5	35
45	Maternal prenatal urinary phthalate metabolite concentrations and visual recognition memory among infants at 27 weeks. Environmental Research, 2017, 155, 7-14.	7.5	35
46	Fish Intake During Pregnancy and Mercury Level in Cord and Maternal Blood at Delivery: An Environmental Study in Poland. International Journal of Occupational Medicine and Environmental Health, 2007, 20, 31-7.	1.3	32
47	Prenatal exposure to air pollution is associated with altered brain structure, function, and metabolism in childhood. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2022, 63, 1316-1331.	5.2	32
48	Children's Environmental Health Research--Highlights from the Columbia Center for Children's Environmental Health. Annals of the New York Academy of Sciences, 2006, 1076, 15-28.	3.8	27
49	Prenatal exposure to airborne polycyclic aromatic hydrocarbons and childhood growth trajectories from age 5â€“14â€¯years. Environmental Research, 2019, 177, 108595.	7.5	27
50	Prenatal exposure to polycyclic aromatic hydrocarbons modifies the effects of early life stress on attention and Thought Problems in late childhood. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2020, 61, 1253-1265.	5.2	26
51	Bulky DNA Adducts in White Blood Cells: A Pooled Analysis of 3,600 Subjects. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 3174-3181.	2.5	24
52	Co-Benefits to Childrenâ€™s Health of the U.S. Regional Greenhouse Gas Initiative. Environmental Health Perspectives, 2020, 128, 77006.	6.0	24
53	Racial and geographic variation in effects of maternal education and neighborhood-level measures of socioeconomic status on gestational age at birth: Findings from the ECHO cohorts. PLoS ONE, 2021, 16, e0245064.	2.5	23
54	Exploring associations between prenatal exposure to multiple endocrine disruptors and birth weight with exposure continuum mapping. Environmental Research, 2021, 200, 111386.	7.5	23

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55	Maturation of Brain Microstructure and Metabolism Associates with Increased Capacity for Self-Regulation during the Transition from Childhood to Adolescence. Journal of Neuroscience, 2019, 39, 8362-8375.	3.6	22
56	Potential health benefits of sustained air quality improvements in New York City: A simulation based on air pollution levels during the COVID-19 shutdown. Environmental Research, 2021, 193, 110555.	7.5	22
57	The associations between prenatal exposure to polycyclic aromatic hydrocarbon metabolites, umbilical cord blood mitochondrial DNA copy number, and childrenâ€™s neurobehavioral development. Environmental Pollution, 2020, 265, 114594.	7.5	20
58	The Case of Juliana v. U.S. â€" Children and the Health Burdens of Climate Change. New England Journal of Medicine, 2019, 380, 2085-2087.	27.0	19
59	Biomarkers and molecular epidemiology of occupationally related cancer. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1993, 40, 203-215.	2.3	16
60	Neonatology and the Environment: Early Exposure to Airborne Environmental Toxicants. NeoReviews, 2010, 11, e363-e369.	0.8	16
61	Molecular epidemiology, prenatal exposure and prevention of cancer. Environmental Health, 2011, 10, S5.	4.0	16
62	Significant interactions between maternal PAH exposure and haplotypes in candidate genes on B[a]P-DNA adducts in a NYC cohort of non-smoking African-American and Dominican mothers and newborns. Carcinogenesis, 2014, 35, 69-75.	2.8	16
63	Maternal urinary 2-hydroxynaphthalene and birth outcomes in Taiyuan, China. Environmental Health, 2018, 17, 91.	4.0	16
64	Prenatal exposure to air pollution is associated with childhood inhibitory control and adolescent academic achievement. Environmental Research, 2021, 202, 111570.	7.5	16
65	Prenatal exposure to airborne polycyclic aromatic hydrocarbons and IQ: Estimated benefit of pollution reduction. Journal of Public Health Policy, 2014, 35, 327-336.	2.0	15
66	Associations of prenatal exposure to polycyclic aromatic hydrocarbons with pubertal timing and body composition in adolescent girls: Implications for breast cancer risk. Environmental Research, 2021, 196, 110369.	7.5	15
67	Environmental Pollutants and Neurodevelopment: Review of Benefits From Closure of a Coal-Burning Power Plant in Tongliang, China. Global Pediatric Health, 2017, 4, 2333794X1772160.	0.7	14
68	Personal Exposure to Fine Particles and Benzo[A]pyrene. Relation with Indoor and Outdoor Concentrations of these Pollutants in KrakÃ³w. International Journal of Occupational Medicine and Environmental Health, 2007, 20, 339-48.	1.3	13
69	Prenatal and Postnatal Polycyclic Aromatic Hydrocarbon Exposure, Airway Hyperreactivity, and Beta-2 Adrenergic Receptor Function in Sensitized Mouse Offspring. Journal of Toxicology, 2013, 2013, 1-9.	3.0	13
70	Significant interactions between maternal PAH exposure and single nucleotide polymorphisms in candidate genes on B[a]Pâ€"DNA adducts in a cohort of non-smoking Polish mothers and newborns. Carcinogenesis, 2016, 37, 1110-1115.	2.8	13
71	Cost of Developmental Delay from Prenatal Exposure to Airborne Polycyclic Aromatic Hydrocarbons. Journal of Health Care for the Poor and Underserved, 2011, 22, 320-329.	0.8	13
72	Prepregnancy obesity is associated with cognitive outcomes in boys in a low-income, multiethnic birth cohort. BMC Pediatrics, 2019, 19, 507.	1.7	12

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73	Estimation of chronic personal exposure to airborne polycyclic aromatic hydrocarbons. Science of the Total Environment, 2015, 527-528, 252-261.	8.0	10
74	Telomere dynamics across the early life course: Findings from a longitudinal study in children. Psychoneuroendocrinology, 2021, 129, 105270.	2.7	10
75	Urban Adolescents Readily Comply with a Complicated Asthma Research Protocol. Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine, 2014, 8, CCRPM.S13930.	0.9	9
76	Prepregnancy obesity is associated with lower psychomotor development scores in boys at age 3 in a low-income, minority birth cohort. Journal of Developmental Origins of Health and Disease, 2020, 11, 49-57.	1.4	8
77	A methodological pipeline to generate an epigenetic marker of prenatal exposure to air pollution indicators. Epigenetics, 2022, 17, 32-40.	2.7	8
78	Locations of Adolescent Physical Activity in an Urban Environment and Their Associations with Air Pollution and Lung Function. Annals of the American Thoracic Society, 2021, 18, 84-92.	3.2	8
79	The Role of Childhood Asthma in Obesity Development. Epidemiology, 2022, 33, 131-140.	2.7	7
80	Prenatal PM2.5 Exposure in Relation to Maternal and Newborn Telomere Length at Delivery. Toxics, 2022, 10, 13.	3.7	7
81	Wheezing and lung function measured in subjects exposed to various levels of fine particles and polycyclic aromatic hydrocarbons. Open Medicine (Poland), 2007, 2, 66-78.	1.3	6
82	Characterizing peak exposure of secondhand smoke using a realâ€time PM _{2.5} monitor. Indoor Air, 2020, 30, 98-107.	4.3	6
83	Science as an Early Driver of Policy: Child Labor Reform in the Early Progressive Era, 1870â€“1900. American Journal of Public Health, 2014, 104, 1862-1871.	2.7	5
84	Cancer Risk Reduction Through Education of Adolescents: Development of a Tailored Cancer Risk-Reduction Educational Tool. Journal of Cancer Education, 2021, , 1.	1.3	5
85	Exposure to polycyclic aromatic hydrocarbons during pregnancy and breast tissue composition in adolescent daughters and their mothers: a prospective cohort study. Breast Cancer Research, 2022, 24, .	5.0	5
86	Differences in Ambient Polycyclic Aromatic Hydrocarbon Concentrations between Streets and Alleys in New York City: Open Space vs. Semi-Closed Space. International Journal of Environmental Research and Public Health, 2016, 13, 127.	2.6	4
87	A novel method for source-specific hemoglobin adducts of nitro-polycyclic aromatic hydrocarbons. Environmental Sciences: Processes and Impacts, 2018, 20, 780-789.	3.5	4
88	Association Studies of Environmental Exposures, DNA Methylation and Childrenâ€™s Cognitive, Behavioral, and Mental Health Problems. Frontiers in Genetics, 2022, 13, 871820.	2.3	4
89	Evaluating the Impact of the Clean Heat Program on Air Pollution Levels in New York City. Environmental Health Perspectives, 2021, 129, 127701.	6.0	4
90	Response toDNA adducts as a marker of cancer risk?. International Journal of Cancer, 2001, 92, 926-926.	5.1	2

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91	A powerful and flexible weighted distance-based method incorporating interactions between DNA methylation and environmental factors on health outcomes. Bioinformatics, 2020, 36, 653-659.	4.1	2
92	Validity of the interview on pets kept at home for predicting the actual domestic expsoure to their specific allergens. Krakow inner city area study. Open Medicine (Poland), 2008, 3, 149-156.	1.3	1
93	Erratum/correction for Bocskay et al. 2007 Environ Mol Mutagen 48(2):114â€“123. Environmental and Molecular Mutagenesis, 2007, 48, 635-635.	2.2	0
94	Response to â€œComment on â€˜Co-Benefits to Childrenâ€™s Health of the U.S. Regional Greenhouse Gas Initiativeâ€™â€•. Environmental Health Perspectives, 2020, 128, 128002.	6.0	0
95	Prenatal Exposure to Polycyclic Aromatic Hydrocarbons (PAHs). , 2019, , 353-363.		0
96	Title is missing!. , 2021, 16, e0245064.		0
97	Title is missing!. , 2021, 16, e0245064.		0
98	Title is missing!. , 2021, 16, e0245064.		0
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101	Title is missing!. , 2021, 16, e0245064.		0