

Sandrah P Eckel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

1,192
citations

20
h-index

31
g-index

102
ext. papers

1,705
ext. citations

5.2
avg, IF

4.5
L-index

#	Paper	IF	Citations
81	Prenatal Exposure to Air Pollution and Autism Spectrum Disorder: Sensitive Windows of Exposure and Sex Differences.. <i>Environmental Health Perspectives</i> , 2022 , 130, 17008	8.4	4
80	Ambient air pollution and COVID-19 incidence during four 2020-2021 case surges.. <i>Environmental Research</i> , 2022 , 208, 112758	7.9	2
79	Long-term air pollution and COVID-19 mortality rates in California: Findings from the Spring/Summer and Winter surges of COVID-19. <i>Environmental Pollution</i> , 2022 , 292, 118396	9.3	1
78	Near-roadway air pollution, immune cells and adipokines among obese young adults.. <i>Environmental Health</i> , 2022 , 21, 36	6	0
77	Time-activity and daily mobility patterns during pregnancy and early postpartum [Evidence from the MADRES cohort. <i>Spatial and Spatio-temporal Epidemiology</i> , 2022 , 41, 100502	3.5	0
76	Exposure to per- and Polyfluoroalkyl Substances and Markers of Liver Injury: A Systematic Review and Meta-Analysis.. <i>Environmental Health Perspectives</i> , 2022 , 130, 46001	8.4	8
75	Evidence of susceptibility to autism risks associated with early life ambient air pollution: A systematic review.. <i>Environmental Research</i> , 2021 , 112590	7.9	5
74	Prenatal ambient air pollution and maternal depression at 12 months postpartum in the MADRES pregnancy cohort. <i>Environmental Health</i> , 2021 , 20, 121	6	6
73	Associations between testosterone, estradiol, and androgen receptor genotype with amygdala subregions in adolescents.. <i>Psychoneuroendocrinology</i> , 2021 , 137, 105604	5	0
72	Quantifying Infant Exploratory Learning. <i>Journal of Motor Learning and Development</i> , 2021 , 1-17	1.4	1
71	In utero exposure to near-roadway air pollution and autism spectrum disorder in children. <i>Environment International</i> , 2021 , 158, 106898	12.9	2
70	Extracellular vesicle microRNA in early versus late pregnancy with birth outcomes in the MADRES study. <i>Epigenetics</i> , 2021 , 1-17	5.7	4
69	Restructuring of amygdala subregion apportion across adolescence. <i>Developmental Cognitive Neuroscience</i> , 2021 , 48, 100883	5.5	3
68	Asthma clustering methods: a literature-informed application to the children's health study data. <i>Journal of Asthma</i> , 2021 , 1-14	1.9	0
67	Extracellular vesicle-enriched miRNA profiles across pregnancy in the MADRES cohort. <i>PLoS ONE</i> , 2021 , 16, e0251259	3.7	3
66	Respiratory health, pulmonary function and local engagement in urban communities near oil development. <i>Environmental Research</i> , 2021 , 197, 111088	7.9	4
65	COVID-19 mortality in California based on death certificates: disproportionate impacts across racial/ethnic groups and nativity. <i>Annals of Epidemiology</i> , 2021 , 58, 69-75	6.4	13

64	Compliance in Controlled E-cigarette Studies. <i>Nicotine and Tobacco Research</i> , 2021 , 23, 614-618	4.9	1
63	Prenatal metal mixtures and fetal size in mid-pregnancy in the MADRES study. <i>Environmental Research</i> , 2021 , 196, 110388	7.9	6
62	Infants born full term and preterm increase the height of anti-gravity leg movements during a kick-activated mobile task using a scaffolded task environment. <i>Infancy</i> , 2021 , 26, 168-183	2.4	3
61	Prenatal metal mixtures and child blood pressure in the Rhea mother-child cohort in Greece. <i>Environmental Health</i> , 2021 , 20, 1	6	14
60	Infants born preterm and infants born full-term generate more selective leg joint movement during the scaffolded mobile task. <i>Infancy</i> , 2021 , 26, 756-769	2.4	2
59	Hierarchical Bayesian estimation of covariate effects on airway and alveolar nitric oxide. <i>Scientific Reports</i> , 2021 , 11, 17180	4.9	0
58	Asthma Disease Status, COPD, and COVID-19 Severity in a Large Multiethnic Population. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021 , 9, 3621-3628.e2	5.4	10
57	Long-term exposures to air pollutants affect in children: a longitudinal study. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	1
56	Near-roadway air pollution associated with COVID-19 severity and mortality - Multiethnic cohort study in Southern California. <i>Environment International</i> , 2021 , 157, 106862	12.9	3
55	Human Serum Albumin Cys34 Adducts in Newborn Dried Blood Spots: Associations With Air Pollution Exposure During Pregnancy.. <i>Frontiers in Public Health</i> , 2021 , 9, 730369	6	0
54	Association of Outdoor Ambient Fine Particulate Matter With Intracellular White Matter Microstructural Properties Among Children. <i>JAMA Network Open</i> , 2021 , 4, e2138300	10.4	1
53	Prenatal Metal Mixtures and Birth Weight for Gestational Age in a Predominately Lower-Income Hispanic Pregnancy Cohort in Los Angeles. <i>Environmental Health Perspectives</i> , 2020 , 128, 117001	8.4	21
52	Patterns and determinants of exhaled nitric oxide trajectories in schoolchildren over a 7-year period. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	1
51	Impact of different fixed flow sampling protocols on flow-independent exhaled nitric oxide parameter estimates using the Bayesian dynamic two-compartment model. <i>Physiological Reports</i> , 2020 , 8, e14336	2.6	
50	Information fraction estimation based on the number of events within the standard treatment regimen. <i>Biometrical Journal</i> , 2020 , 62, 1960	1.5	3
49	Conceptualizing Health Behaviors as Acute Mood-Altering Agents: Implications for Cancer Control. <i>Cancer Prevention Research</i> , 2020 , 13, 343-350	3.2	6
48	Prenatal Maternal Cortisol Levels and Infant Birth Weight in a Predominately Low-Income Hispanic Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
47	Environmental chemical burden in metabolic tissues and systemic biological pathways in adolescent bariatric surgery patients: A pilot untargeted metabolomic approach. <i>Environment International</i> , 2020 , 143, 105957	12.9	11

46	Biomedical REAL-Time Health Evaluation (BREATHE): toward an mHealth informatics platform. <i>JAMIA Open</i> , 2020 , 3, 190-200	2.9	9
45	Sex-specific associations of autism spectrum disorder with residential air pollution exposure in a large Southern California pregnancy cohort. <i>Environmental Pollution</i> , 2019 , 254, 113010	9.3	26
44	Associations of gestational diabetes mellitus with residential air pollution exposure in a large Southern California pregnancy cohort. <i>Environment International</i> , 2019 , 130, 104933	12.9	26
43	Study Design, Protocol and Profile of the Maternal And Developmental Risks from Environmental and Social Stressors (MADRES) Pregnancy Cohort: a Prospective Cohort Study in Predominantly Low-Income Hispanic Women in Urban Los Angeles. <i>BMC Pregnancy and Childbirth</i> , 2019 , 19, 189	3.2	18
42	Within-subject effects of environmental and social stressors on pre- and post-partum obesity-related biobehavioral responses in low-income Hispanic women: protocol of an intensive longitudinal study. <i>BMC Public Health</i> , 2019 , 19, 253	4.1	11
41	Understanding the importance of key risk factors in predicting chronic bronchitic symptoms using a machine learning approach. <i>BMC Medical Research Methodology</i> , 2019 , 19, 70	4.7	5
40	Assessment of Respiratory Health Symptoms and Asthma in Children near a Drying Saline Lake. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	5
39	Gestational diabetes mellitus, prenatal air pollution exposure, and autism spectrum disorder. <i>Environment International</i> , 2019 , 133, 105110	12.9	15
38	Applying Multivariate Segmentation Methods to Human Activity Recognition From Wearable SensorsSData. <i>JMIR MHealth and UHealth</i> , 2019 , 7, e11201	5.5	18
37	Association Between Air Pollution Exposure, Cognitive and Adaptive Function, and ASD Severity Among Children with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2018 , 48, 137-150	4.6	22
36	Distributed representation of pelvic floor muscles in human motor cortex. <i>Scientific Reports</i> , 2018 , 8, 7213	4.9	16
35	RISK EFFECTS OF NEAR-ROADWAY POLLUTANTS AND ASTHMA STATUS ON BRONCHITIC SYMPTOMS IN CHILDREN. <i>Environmental Epidemiology</i> , 2018 , 2,	0.2	6
34	Association of Prenatal Exposure to Ambient and Traffic-Related Air Pollution With Newborn Thyroid Function: Findings From the ChildrenS Health Study. <i>JAMA Network Open</i> , 2018 , 1, e182172	10.4	25
33	Short-term effects of airport-associated ultrafine particle exposure on lung function and inflammation in adults with asthma. <i>Environment International</i> , 2018 , 118, 48-59	12.9	56
32	Optimal flow rate sampling designs for studies with extended exhaled nitric oxide analysis. <i>Journal of Breath Research</i> , 2017 , 11, 016012	3.1	4
31	Particulate matter air pollution and liver cancer survival. <i>International Journal of Cancer</i> , 2017 , 141, 744-749	7.9	48
30	A Scalable Data Integration and Analysis Architecture for Sensor Data of Pediatric Asthma. <i>Proceedings - International Conference on Data Engineering</i> , 2017 , 2017, 1407-1408	2	9
29	Genetic and epigenetic susceptibility of airway inflammation to PM in school children: new insights from quantile regression. <i>Environmental Health</i> , 2017 , 16, 88	6	14

28	Bayesian estimation of physiological parameters governing a dynamic two-compartment model of exhaled nitric oxide. <i>Physiological Reports</i> , 2017 , 5, e13276	2.6	3
27	Mining Public Datasets for Modeling Intra-City PM Concentrations at a Fine Spatial Resolution 2017 , 2017,		13
26	Traffic-related air pollution and alveolar nitric oxide in southern California children. <i>European Respiratory Journal</i> , 2016 , 47, 1348-56	13.6	32
25	Exhaled NO: Determinants and Clinical Application in Children With Allergic Airway Disease. <i>Allergy, Asthma and Immunology Research</i> , 2016 , 8, 12	5.3	1
24	Exhaled NO: Determinants and Clinical Application in Children With Allergic Airway Disease. <i>Allergy, Asthma and Immunology Research</i> , 2016 , 8, 12-21	5.3	33
23	Air pollution affects lung cancer survival. <i>Thorax</i> , 2016 , 71, 891-8	7.3	79
22	Phase 2 study of concurrent radiotherapy and temozolomide followed by temozolomide and lomustine in the treatment of children with high-grade glioma: a report of the Children's Oncology Group ACNS0423 study. <i>Neuro-Oncology</i> , 2016 , 18, 1442-50	1	73
21	Spirometry effects on conventional and multiple flow exhaled nitric oxide in children. <i>Journal of Asthma</i> , 2015 , 52, 198-204	1.9	3
20	Determinants of Children's Exhaled Nitric Oxide: New Insights from Quantile Regression. <i>PLoS ONE</i> , 2015 , 10, e0130505	3.7	2
19	A pilot study using carboplatin, vincristine, and temozolomide in children with progressive/symptomatic low-grade glioma: a Children's Oncology Group study. <i>Neuro-Oncology</i> , 2015 , 17, 1132-8	1	28
18	Inducible Nitric Oxide Synthase Promoter Haplotypes and Residential Traffic-Related Air Pollution Jointly Influence Exhaled Nitric Oxide Level in Children. <i>PLoS ONE</i> , 2015 , 10, e0145363	3.7	4
17	Chronic effects of air pollution on respiratory health in Southern California children: findings from the Southern California Children's Health Study. <i>Journal of Thoracic Disease</i> , 2015 , 7, 46-58	2.6	60
16	On the importance of statistics in breath analysis--hope or curse?. <i>Journal of Breath Research</i> , 2014 , 8, 012001	3.1	17
15	The cardiopulmonary effects of ambient air pollution and mechanistic pathways: a comparative hierarchical pathway analysis. <i>PLoS ONE</i> , 2014 , 9, e114913	3.7	26
14	Global trade, local impacts: lessons from California on health impacts and environmental justice concerns for residents living near freight rail yards. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 1914-41	4.6	18
13	Longitudinal effects of air pollution on exhaled nitric oxide: the Children's Health Study. <i>Occupational and Environmental Medicine</i> , 2014 , 71, 507-13	2.1	33
12	Fraction of exhaled nitric oxide values in childhood are associated with 17q11.2-q12 and 17q12-q21 variants. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 46-55	11.5	27
11	Estimation of parameters in the two-compartment model for exhaled nitric oxide. <i>PLoS ONE</i> , 2014 , 9, e85471	3.7	19

10	Multiple-flow exhaled nitric oxide, allergy, and asthma in a population of older children. <i>Pediatric Pulmonology</i> , 2013 , 48, 885-96	3.5	18
9	Single high flow exhaled nitric oxide is an imperfect proxy for distal nitric oxide. <i>Occupational and Environmental Medicine</i> , 2013 , 70, 519-20	2.1	7
8	Genetic and epigenetic variations in inducible nitric oxide synthase promoter, particulate pollution, and exhaled nitric oxide levels in children. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 129, 232-9.e11-7	11.5	97
7	Modification of the association between ambient air pollution and lung function by frailty status among older adults in the Cardiovascular Health Study. <i>American Journal of Epidemiology</i> , 2012 , 176, 214-23	3.8	40
6	Surrogate screening models for the low physical activity criterion of frailty. <i>Aging Clinical and Experimental Research</i> , 2011 , 23, 209-16	4.8	24
5	Residential traffic-related pollution exposures and exhaled nitric oxide in the children's health study. <i>Environmental Health Perspectives</i> , 2011 , 119, 1472-7	8.4	47
4	Distributed Reproducible Research Using Cached Computations. <i>Computing in Science and Engineering</i> , 2009 , 11, 28-34	1.5	7
3	Interacting with local and remote data repositories using the stashR package. <i>Computational Statistics</i> , 2009 , 24, 247-254	1	1
2	Building Autocorrelation-Aware Representations for Fine-Scale Spatiotemporal Prediction		2
1	Long-term Exposures to Air Pollutants Affect FeNO in Children: A Longitudinal Study		1