

Ana Maria Rule

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

1,826
citations

293460

24
h-index

325983

40
g-index

71
all docs

71
docs citations

71
times ranked

2705
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive home environmental intervention did not reduce allergen concentrations or controller medication requirements among children in Baltimore. <i>Journal of Asthma</i> , 2023, 60, 625-634.	0.9	6
2	Characterizing spatiotemporal variability in airborne heavy metal concentration: Changes after 18 Years in Baltimore, MD. <i>Environmental Research</i> , 2022, 209, 112878.	3.7	1
3	Assessing variability of aerosols generated from e-Cigarettes. <i>Inhalation Toxicology</i> , 2022, 34, 90-98.	0.8	3
4	The Effect of Floor Height on Secondhand Smoke Transfer in Multiunit Housing. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3794.	1.2	0
5	Research on COVID-19 and air pollution: A path towards advancing exposure science. <i>Environmental Research</i> , 2022, 212, 113240.	3.7	1
6	Response to Letter to the Editor Regarding Characterizing the Chemical Landscape in Commercial E-Cigarette Liquids and Aerosols by Liquid Chromatography-High-Resolution Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2022, 35, 1-2.	1.7	1
7	Ethyl maltol enhances copper mediated cytotoxicity in lung epithelial cells. <i>Toxicology and Applied Pharmacology</i> , 2021, 410, 115354.	1.3	14
8	Above and beyond: when we ask personal protective equipment to be community protective equipment. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 31-33.	1.8	0
9	Modeling residential indoor concentrations of PM _{2.5} , NO ₂ , NO _x , and secondhand smoke in the Subpopulations and Intermediate Outcome Measures in COPD (SPIROMICS) Air study. <i>Indoor Air</i> , 2021, 31, 702-716.	2.0	11
10	E-cigarette aerosol collection using converging and straight tubing Sections: Physical mechanisms. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 804-815.	5.0	7
11	Real-time air monitoring of occupational exposures to particulate matter among hairdressers in Maryland: A pilot study. <i>Indoor Air</i> , 2021, 31, 1144-1153.	2.0	8
12	Inorganic arsenic induces sex-dependent pathological hypertrophy in the heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1321-H1336.	1.5	15
13	A Rapid and Sensitive Chemical Screening Method for E-Cigarette Aerosols Based on Runtime Cavity Ringdown Spectroscopy. <i>Environmental Science & Technology</i> , 2021, 55, 8090-8096.	4.6	2
14	Protecting Children From Tobacco Smoke Exposure: A Randomized Controlled Trial of Project Zero Exposure. <i>Nicotine and Tobacco Research</i> , 2021, 23, 2003-2012.	1.4	3
15	Occupational Exposures to Phthalates among Black and Latina U.S. Hairdressers Serving an Ethnically Diverse Clientele: A Pilot Study. <i>Environmental Science & Technology</i> , 2021, 55, 8128-8138.	4.6	14
16	Evaluation of indoor PM _{2.5} concentrations in a Native American Community: a pilot study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, . .	1.8	0
17	Biomonitoring of volatile organic compounds (VOCs) among hairdressers in salons primarily serving women of color: A pilot study. <i>Environment International</i> , 2021, 154, 106655.	4.8	17
18	Spatial relationship between well water arsenic and uranium in Northern Plains native lands. <i>Environmental Pollution</i> , 2021, 287, 117655.	3.7	12

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19	Characterizing the Chemical Landscape in Commercial E-Cigarette Liquids and Aerosols by Liquid Chromatography-High-Resolution Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2021, 34, 2216-2226.	1.7	34
20	Effects of e-liquid flavor, nicotine content, and puff duration on metal emissions from electronic cigarettes. <i>Environmental Research</i> , 2021, 204, 112270.	3.7	15
21	The Safe Urban Harvests Study: A Community-Driven Cross-Sectional Assessment of Metals in Soil, Irrigation Water, and Produce from Urban Farms and Gardens in Baltimore, Maryland. <i>Environmental Health Perspectives</i> , 2021, 129, 117004.	2.8	13
22	Indoor Air Quality Prior to and Following School Building Renovation in a Mid-Atlantic School District. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12149.	1.2	7
23	Secondhand smoke exposure in public and private high-rise multiunit housing serving low-income residents in New York City prior to federal smoking ban in public housing, 2018. <i>Science of the Total Environment</i> , 2020, 704, 135322.	3.9	16
24	Early Cardiovascular Risk in E-cigarette Users: the Potential Role of Metals. <i>Current Environmental Health Reports</i> , 2020, 7, 353-361.	3.2	14
25	Comment on Aerosol Filtration Efficiency of Common Fabrics Used in Respiratory Cloth Masks: Questioning Their Findings. <i>ACS Nano</i> , 2020, 14, 10756-10757.	7.3	13
26	Metal/Metalloid Levels in Electronic Cigarette Liquids, Aerosols, and Human Biosamples: A Systematic Review. <i>Environmental Health Perspectives</i> , 2020, 128, 36001.	2.8	65
27	Evaluation of Secondhand Smoke Exposure in New York City Public Housing After Implementation of the 2018 Federal Smoke-Free Housing Policy. <i>JAMA Network Open</i> , 2020, 3, e2024385.	2.8	24
28	Impact of dispersant on crude oil content of airborne fine particulate matter emitted from seawater after an oil spill. <i>Chemosphere</i> , 2020, 256, 127063.	4.2	14
29	The exposome - a new approach for risk assessment. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 3-23.	0.9	45
30	A conceptual model to understand the soluble and insoluble Cr species in deliquesced particles. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 1091-1102.	1.5	7
31	Dose-dependent detoxication of the airborne pollutant benzene in a randomized trial of broccoli sprout beverage in Qidong, China. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 675-684.	2.2	25
32	A protocol for measuring the impact of a smoke-free housing policy on indoor tobacco smoke exposure. <i>BMC Public Health</i> , 2019, 19, 666.	1.2	11
33	Metal concentrations in electronic cigarette aerosol: Effect of open-system and closed-system devices and power settings. <i>Environmental Research</i> , 2019, 174, 125-134.	3.7	70
34	Vitamin D Status Modifies the Response to Indoor Particulate Matter in Obese Urban Children with Asthma. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 1815-1822.e2.	2.0	39
35	Inorganic arsenic exposure induces sex-disparate effects and exacerbates ischemia-reperfusion injury in the female heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1053-H1064.	1.5	16
36	Waterpipe tobacco smoke: Characterization of toxicants and exposure biomarkers in a cross-sectional study of waterpipe employees. <i>Environment International</i> , 2019, 127, 495-502.	4.8	21

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37	Sampling Devices for Indoor Allergen Exposure: Pros and Cons. <i>Current Allergy and Asthma Reports</i> , 2019, 19, 9.	2.4	11
38	Giant cell interstitial pneumonia secondary to cobalt exposure from e-cigarette use. <i>European Respiratory Journal</i> , 2019, 54, 1901922.	3.1	29
39	Arsenic in groundwater in private wells in rural North Dakota and South Dakota: Water quality assessment for an intervention trial. <i>Environmental Research</i> , 2019, 168, 41-47.	3.7	26
40	Indoor air quality in inner-city schools and its associations with building characteristics and environmental factors. <i>Environmental Research</i> , 2019, 170, 83-91.	3.7	80
41	Vent pipe emissions from storage tanks at gas stations: Implications for setback distances. <i>Science of the Total Environment</i> , 2019, 650, 2239-2250.	3.9	14
42	Occurrence of <i>Staphylococcus aureus</i> in swine and swine workplace environments on industrial and antibiotic-free hog operations in North Carolina, USA: A One Health pilot study. <i>Environmental Research</i> , 2018, 163, 88-96.	3.7	28
43	Maternal exposure to PM _{2.5} in south Texas, a pilot study. <i>Science of the Total Environment</i> , 2018, 628-629, 1497-1507.	3.9	25
44	Protecting Young Children From Tobacco Smoke Exposure: A Pilot Study of Project Zero Exposure. <i>Pediatrics</i> , 2018, 141, S107-S117.	1.0	8
45	Assessment of indoor air quality at an electronic cigarette (Vaping) convention. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2018, 28, 522-529.	1.8	45
46	Unique pulmonary immunotoxicological effects of urban PM are not recapitulated solely by carbon black, diesel exhaust or coal fly ash. <i>Environmental Research</i> , 2018, 161, 304-313.	3.7	26
47	Evaluation of low-cost electro-chemical sensors for environmental monitoring of ozone, nitrogen dioxide, and carbon monoxide. <i>Journal of Occupational and Environmental Hygiene</i> , 2018, 15, 87-98.	0.4	54
48	The feasibility of an air purifier and secondhand smoke education intervention in homes of inner city pregnant women and infants living with a smoker. <i>Environmental Research</i> , 2018, 160, 524-530.	3.7	15
49	Metal Concentrations in e-Cigarette Liquid and Aerosol Samples: The Contribution of Metallic Coils. <i>Environmental Health Perspectives</i> , 2018, 126, 027010.	2.8	234
50	Healthcare personnel exposure in an emergency department during influenza season. <i>PLoS ONE</i> , 2018, 13, e0203223.	1.1	29
51	The Acute Effects of Age and Particulate Matter Exposure on Heart Rate and Heart Rate Variability in Mice. <i>Cardiovascular Toxicology</i> , 2018, 18, 507-519.	1.1	21
52	Lost in E-Cigarette Clouds: A Culture on the Rise. <i>American Journal of Public Health</i> , 2017, 107, 265-266.	1.5	7
53	The association of e-cigarette use with exposure to nickel and chromium: A preliminary study of non-invasive biomarkers. <i>Environmental Research</i> , 2017, 159, 313-320.	3.7	70
54	Sampling efficiencies of two modified viable cascade impactors. <i>Aerosol Science and Technology</i> , 2017, 51, 1296-1302.	1.5	5

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55	E-cigarettes as a source of toxic and potentially carcinogenic metals. <i>Environmental Research</i> , 2017, 152, 221-225.	3.7	202
56	Secondhand Smoke Exposure and Smoke-free Policy in Philadelphia Public Housing. <i>Tobacco Regulatory Science (discontinued)</i> , 2017, 3, 192-203.	0.2	13
57	Quantitative Microbial Risk Assessment for Spray Irrigation of Dairy Manure Based on an Empirical Fate and Transport Model. <i>Environmental Health Perspectives</i> , 2017, 125, 087009.	2.8	10
58	Development of an In Vitro Exposure System for Live Visualization of the Health Impacts of Oily Marine Aerosol on the Human Respiratory System. <i>International Oil Spill Conference Proceedings</i> , 2017, 2017, 2017349.	0.1	0
59	Exposure to PM _{2.5} and Blood Lead Level in Two Populations in Ulaanbaatar, Mongolia. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 214.	1.2	14
60	A direct method for e-cigarette aerosol sample collection. <i>Environmental Research</i> , 2016, 149, 151-156.	3.7	35
61	Air pollutant-mediated disruption of sinonasal epithelial cell barrier function is reversed by activation of the Nrf2 pathway. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1736-1738.e4.	1.5	37
62	Hydrocarbon Release During Fuel Storage and Transfer at Gas Stations: Environmental and Health Effects. <i>Current Environmental Health Reports</i> , 2015, 2, 412-422.	3.2	47
63	Field Testing of Alternative Cookstove Performance in a Rural Setting of Western India. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 1773-1787.	1.2	36
64	Diverse Organic Field-Effect Transistor Sensor Responses from Two Functionalized Naphthalenetetracarboxylic Diimides and Copper Phthalocyanine Semiconductors Distinguishable Over a Wide Analyte Range. <i>Advanced Functional Materials</i> , 2013, 23, 4094-4104.	7.8	60
65	Assessment of Bioaerosol Generation and Sampling Efficiency Based on <i>Pantoea agglomerans</i> . <i>Aerosol Science and Technology</i> , 2009, 43, 620-628.	1.5	24
66	Food animal transport: A potential source of community exposures to health hazards from industrial farming (CAFOs). <i>Journal of Infection and Public Health</i> , 2008, 1, 33-39.	1.9	34
67	Heart Rate (HR) and Oxygen Consumption (VO ₂) Changes After Inhaled Ozone (O ₃) and Particulate Matter (PM) in Two Mouse Strains. <i>FASEB Journal</i> , 2007, 21, A593.	0.2	0
68	Assessment of an Aerosol Treatment To Improve Air Quality in a Swine Concentrated Animal Feeding Operation (CAFO). <i>Environmental Science & Technology</i> , 2005, 39, 9649-9655.	4.6	23