

Krystal J Godri Pollitt

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,999
citations

236925

25
h-index

254184

43
g-index

67
all docs

67
docs citations

67
times ranked

2957
citing authors

#	ARTICLE	IF	CITATIONS
1	PM2.5, oxidant defence and cardiorespiratory health: a review. <i>Environmental Health</i> , 2013, 12, 40.	4.0	124
2	Analysis of atmospheric concentrations of quinones and polycyclic aromatic hydrocarbons in vapour and particulate phases. <i>Atmospheric Environment</i> , 2013, 77, 974-982.	4.1	121
3	Fine Particulate Matter and Emergency Room Visits for Respiratory Illness. Effect Modification by Oxidative Potential. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 577-586.	5.6	97
4	The PM 10 fraction of road dust in the UK and India: Characterization, source profiles and oxidative potential. <i>Science of the Total Environment</i> , 2015, 530-531, 445-452.	8.0	96
5	COVID-19 vulnerability: the potential impact of genetic susceptibility and airborne transmission. <i>Human Genomics</i> , 2020, 14, 17.	2.9	95
6	Ambient particulate matter oxidative potential: Chemical determinants, associated health effects, and strategies for risk management. <i>Free Radical Biology and Medicine</i> , 2020, 151, 7-25.	2.9	91
7	1,4-Dioxane as an emerging water contaminant: State of the science and evaluation of research needs. <i>Science of the Total Environment</i> , 2019, 690, 853-866.	8.0	85
8	Performance analysis of portable HEPA filters and temporary plastic anterooms on the spread of surrogate coronavirus. <i>Building and Environment</i> , 2020, 183, 107186.	6.9	68
9	Fine Particulate Air Pollution and Adverse Birth Outcomes: Effect Modification by Regional Nonvolatile Oxidative Potential. <i>Environmental Health Perspectives</i> , 2018, 126, 077012.	6.0	66
10	Toward Comprehensive Per- and Polyfluoroalkyl Substances Annotation Using FluoroMatch Software and Intelligent High-Resolution Tandem Mass Spectrometry Acquisition. <i>Analytical Chemistry</i> , 2020, 92, 11186-11194.	6.5	63
11	Particulate Oxidative Burden as a Predictor of Exhaled Nitric Oxide in Children with Asthma. <i>Environmental Health Perspectives</i> , 2016, 124, 1616-1622.	6.0	57
12	Metals and oxidative potential in urban particulate matter influence systemic inflammatory and neural biomarkers: A controlled exposure study. <i>Environment International</i> , 2018, 121, 1331-1340.	10.0	56
13	The Fresh Air Wristband: A Wearable Air Pollutant Sampler. <i>Environmental Science and Technology Letters</i> , 2020, 7, 308-314.	8.7	56
14	Comparison of three nanoparticle sizing instruments: The influence of particle morphology. <i>Atmospheric Environment</i> , 2014, 86, 140-147.	4.1	52
15	Biomonitoring-based exposure assessment of benzene, toluene, ethylbenzene and xylene among workers at petroleum distribution facilities. <i>Ecotoxicology and Environmental Safety</i> , 2018, 149, 19-25.	6.0	51
16	Biodiesel fuels: A greener diesel? A review from a health perspective. <i>Science of the Total Environment</i> , 2019, 688, 1036-1055.	8.0	50
17	FluoroMatch 2.0â€”making automated and comprehensive non-targeted PFAS annotation a reality. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1201-1215.	3.7	48
18	BTEX exposure assessment and quantitative risk assessment among petroleum product distributors. <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 445-449.	6.0	46

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19	Characterization and comparison of PM _{2.5} ; oxidative potential assessed by two acellular assays. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5197-5210.	4.9	46
20	Exposure to organophosphate esters in elderly people: Relationships of OPE body burdens with indoor air and dust concentrations and food consumption. <i>Environment International</i> , 2021, 157, 106803.	10.0	33
21	Trace metal exposure is associated with increased exhaled nitric oxide in asthmatic children. <i>Environmental Health</i> , 2016, 15, 94.	4.0	32
22	Software Comparison for Nontargeted Analysis of PFAS in AFFF-Contaminated Soil. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 840-846.	2.8	31
23	Exploring the external exposome using wearable passive samplers - The China BAPE study. <i>Environmental Pollution</i> , 2021, 270, 116228.	7.5	30
24	COVID-19 update: the first 6 months of the pandemic. <i>Human Genomics</i> , 2020, 14, 48.	2.9	30
25	Transitioning to zero-emission bus fleets: state of practice of implementations in the United States. <i>Transport Reviews</i> , 2021, 41, 164-191.	8.8	29
26	Prevalence and Implications of Per- and Polyfluoroalkyl Substances (PFAS) in Settled Dust. <i>Current Environmental Health Reports</i> , 2021, 8, 323-335.	6.7	25
27	Comparative Cytotoxicity of Six Iodinated Disinfection Byproducts on Nontransformed Epithelial Human Colon Cells. <i>Environmental Science and Technology Letters</i> , 2017, 4, 143-148.	8.7	24
28	Environmental lipidomics: understanding the response of organisms and ecosystems to a changing world. <i>Metabolomics</i> , 2020, 16, 56.	3.0	24
29	Murine precision-cut lung slices exhibit acute responses following exposure to gasoline direct injection engine emissions. <i>Science of the Total Environment</i> , 2016, 568, 1102-1109.	8.0	23
30	Assessment of indoor air pollution exposure in urban hospital microenvironments. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 151-159.	3.3	22
31	Yale School of Public Health Symposium: An overview of the challenges and opportunities associated with per- and polyfluoroalkyl substances (PFAS). <i>Science of the Total Environment</i> , 2021, 778, 146192.	8.0	22
32	Use of Exposomic Methods Incorporating Sensors in Environmental Epidemiology. <i>Current Environmental Health Reports</i> , 2021, 8, 34-41.	6.7	21
33	The exposome in practice: an exploratory panel study of biomarkers of air pollutant exposure in Chinese people aged 60-69 years (China BAPE Study). <i>Environment International</i> , 2021, 157, 106866.	10.0	21
34	Room-level ventilation in schools and universities. <i>Atmospheric Environment: X</i> , 2022, 13, 100152.	1.4	21
35	Assessment of the in vitro toxicity of the disinfection byproduct 2,6-dichloro-1,4-benzoquinone and its transformed derivatives. <i>Chemosphere</i> , 2019, 234, 902-908.	8.2	20
36	Addressing the challenges of E-cigarette safety profiling by assessment of pulmonary toxicological response in bronchial and alveolar mucosa models. <i>Scientific Reports</i> , 2020, 10, 20460.	3.3	20

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37	Head, Shoulders, Knees, and Toes: Placement of Wearable Passive Samplers Alters Exposure Profiles Observed. <i>Environmental Science & Technology</i> , 2021, 55, 3796-3806.	10.0	19
38	Use of Untargeted Metabolomics to Explore the Air Pollution-Related Disease Continuum. <i>Current Environmental Health Reports</i> , 2021, 8, 7-22.	6.7	19
39	Development and Application of a Polydimethylsiloxane-Based Passive Air Sampler to Assess Personal Exposure to SARS-CoV-2. <i>Environmental Science and Technology Letters</i> , 2022, 9, 153-159.	8.7	18
40	Assessment of indoor and outdoor particulate air pollution at an urban background site in Iran. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 235.	2.7	16
41	Exploring personal chemical exposures in China with wearable air pollutant monitors: A repeated-measure study in healthy older adults in Jinan, China. <i>Environment International</i> , 2021, 156, 106709.	10.0	16
42	Assessing the External Exposome Using Wearable Passive Samplers and High-Resolution Mass Spectrometry among South African Children Participating in the VHEMBE Study. <i>Environmental Science & Technology</i> , 2022, 56, 2191-2203.	10.0	16
43	An accessible method for screening aerosol filtration identifies poor-performing commercial masks and respirators. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 943-952.	3.9	15
44	Emerging and Legacy Per- and Polyfluoroalkyl Substances in an Elderly Population in Jinan, China: The Exposure Level, Short-Term Variation, and Intake Assessment. <i>Environmental Science & Technology</i> , 2022, 56, 7905-7916.	10.0	11
45	Long-term leaching of arsenic from pressure-treated playground structures in the northeastern United States. <i>Science of the Total Environment</i> , 2019, 656, 834-842.	8.0	8
46	Predicting Spatial Variations in Multiple Measures of Oxidative Burden for Outdoor Fine Particulate Air Pollution across Canada. <i>Environmental Science & Technology</i> , 2021, 55, 9750-9760.	10.0	8
47	Comparison of Airway Responses Induced in a Mouse Model by the Gas and Particulate Fractions of Gasoline Direct Injection Engine Exhaust. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 429.	2.6	6
48	Dried blood spots for the identification of bioaccumulating organic compounds: Current challenges and future perspectives. <i>Current Opinion in Environmental Science and Health</i> , 2020, 15, 66-73.	4.1	6
49	Reopening Schools After a Novel Coronavirus Surge. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1318, 785-813.	1.6	6
50	Survey of airborne organic compounds in residential communities near a natural gas compressor station: Response to community concern. <i>Environmental Advances</i> , 2021, 5, 100076.	4.8	6
51	A Novel Technique for Redox Lipidomics Using Mass Spectrometry: Application on Vegetable Oils Used to Fry Potatoes. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1798-1809.	2.8	5
52	Solid fuels use for cooking and sleep health in adults aged 45 years and older in China. <i>Scientific Reports</i> , 2021, 11, 13304.	3.3	5
53	Carbonaceous aerosol sampling of gasoline direct injection engine exhaust with an integrated organic gas and particle sampler. <i>Science of the Total Environment</i> , 2019, 652, 1261-1269.	8.0	4
54	Telomere length and outcome of treatment for pulmonary tuberculosis in a gold mining community. <i>Scientific Reports</i> , 2021, 11, 4031.	3.3	4

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55	Changes in Sewage Sludge Chemical Signatures During a COVID-19 Community Lockdown, Part 2: Nontargeted Analysis of Sludge and Evaluation with COVID-19 Metrics. Environmental Toxicology and Chemistry, 2021, , .	4.3	4
56	Predicting Spatial Variations in Multiple Measures of PM _{2.5} Oxidative Potential and Magnetite Nanoparticles in Toronto and Montreal, Canada. Environmental Science & Technology, 2022, 56, 7256-7265.	10.0	4
57	Characterizing the external exposome using passive samplers—comparative assessment of chemical exposures using different wearable form factors. Journal of Exposure Science and Environmental Epidemiology, 2023, 33, 558-565.	3.9	4
58	Editorial overview: Exposomics, emerging exposures and analytical challenges. Current Opinion in Environmental Science and Health, 2020, 15, A1-A3.	4.1	0
59	Spatial variations in PM _{2.5} oxidative potential in Toronto and Montreal, Canada. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
60	50 chemical exposures of concern discovered using wearable passive samplers and gas chromatography high-resolution mass spectrometry in South African children. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
61	FluoroMatch: A Comprehensive Software for Non-Targeted PFAS Analysis. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
62	Personal External Exposomes from Around the World. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
63	An Accessible Method for Screening Aerosol Filtration Identifies Poor-Performing Commercial Masks and Respirators. SSRN Electronic Journal, 0, , .	0.4	0
64	Incorporating Health-Related Criteria for Project Scoring in Massachusetts. Transportation Research Record, 0, , 036119812110570.	1.9	0