

# Michael C Madden

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,838  
citations

331670

21  
h-index

330143

37  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2911  
citing authors

#	ARTICLE	IF	CITATIONS
1	Composition of Air Pollution Particles and Oxidative Stress in Cells, Tissues, and Living Systems. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2012, 15, 1-21.	6.5	411
2	Regulation of cytokine production in human alveolar macrophages and airway epithelial cells in response to ambient air pollution particles: Further mechanistic studies. <i>Toxicology and Applied Pharmacology</i> , 2005, 207, 269-275.	2.8	285
3	Ozone Exposure Increases Circulating Stress Hormones and Lipid Metabolites in Humans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1382-1391.	5.6	159
4	Biodiesel Exhaust: The Need for Health Effects Research. <i>Environmental Health Perspectives</i> , 2007, 115, 496-499.	6.0	110
5	Diesel exhaust particles and airway inflammation. <i>Current Opinion in Pulmonary Medicine</i> , 2012, 18, 144-150.	2.6	109
6	Effect of Ozone on Diesel Exhaust Particle Toxicity in Rat Lung. <i>Toxicology and Applied Pharmacology</i> , 2000, 168, 140-148.	2.8	80
7	EFFECT OF METAL REMOVAL ON THE TOXICITY OF AIRBORNE PARTICULATE MATTER FROM THE UTAH VALLEY. <i>Inhalation Toxicology</i> , 2002, 14, 1069-1086.	1.6	79
8	Induction of prostaglandin H synthase 2 in human airway epithelial cells exposed to residual oil fly ash. <i>Toxicology and Applied Pharmacology</i> , 1996, 141, 159-168.	2.8	41
9	Inflammatory Cytokines and White Blood Cell Counts Response to Environmental Levels of Diesel Exhaust and Ozone Inhalation Exposures. <i>PLoS ONE</i> , 2016, 11, e0152458.	2.5	41
10	Effects of diesel exhaust particles on human alveolar macrophage ability to secrete inflammatory mediators in response to lipopolysaccharide. <i>Toxicology in Vitro</i> , 2006, 20, 614-624.	2.4	38
11	Analysis of inflammatory cytokines in human blood, breath condensate, and urine using a multiplex immunoassay platform. <i>Biomarkers</i> , 2015, 20, 35-46.	1.9	37
12	Release of the Pro-Inflammatory Markers by BEAS-2B Cells Following In Vitro Exposure to Biodiesel Extracts. <i>The Open Toxicology Journal</i> , 2009, 3, 8-15.	1.0	37
13	Diesel exhaust modulates ozone-induced lung function decrements in healthy human volunteers. <i>Particle and Fibre Toxicology</i> , 2014, 11, 37.	6.2	35
14	Standardization of the collection of exhaled breath condensate and exhaled breath aerosol using a feedback regulated sampling device. <i>Journal of Breath Research</i> , 2017, 11, 047107.	3.0	33
15	Estimating Common Parameters of Lognormally Distributed Environmental and Biomonitoring Data: Harmonizing Disparate Statistics from Publications. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2014, 17, 341-368.	6.5	29
16	INCREASED EXPRESSION OF CYCLOOXYGENASE 2 MEDIATES OIL FLY ASH-INDUCED LUNG INJURY. <i>Experimental Lung Research</i> , 2000, 26, 57-69.	1.2	24
17	Nasal Responses in Asthmatic and Nonasthmatic Subjects Following Exposure to Diesel Exhaust Particles. <i>Inhalation Toxicology</i> , 2006, 18, 589-594.	1.6	24
18	A paler shade of green? The toxicology of biodiesel emissions: Recent findings from studies with this alternative fuel. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2856-2862.	2.4	24

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19	Diesel and biodiesel exhaust particle effects on rat alveolar macrophages with in vitro exposure. <i>Chemosphere</i> , 2014, 104, 126-133.	8.2	23
20	Linking physiological parameters to perturbations in the human exposome: Environmental exposures modify blood pressure and lung function via inflammatory cytokine pathway. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017, 80, 485-501.	2.3	22
21	The toxicology of air pollution predicts its epidemiology. <i>Inhalation Toxicology</i> , 2018, 30, 327-334.	1.6	22
22	Endothelial inflammatory transcriptional responses to an altered plasma exposome following inhalation of diesel emissions. <i>Inhalation Toxicology</i> , 2015, 27, 272-280.	1.6	21
23	Air pollutants disrupt iron homeostasis to impact oxidant generation, biological effects, and tissue injury. <i>Free Radical Biology and Medicine</i> , 2020, 151, 38-55.	2.9	21
24	Exhaled breath aerosol (EBA): the simplest non-invasive medium for public health and occupational exposure biomonitoring. <i>Journal of Breath Research</i> , 2018, 12, 027110.	3.0	18
25	Probe Molecule (PrM) Approach in Adverse Outcome Pathway (AOP) Based High-Throughput Screening (HTS): In Vivo Discovery for Developing in Vitro Target Methods. <i>Chemical Research in Toxicology</i> , 2015, 28, 551-559.	3.3	16
26	Taxonomic applicability of inflammatory cytokines in adverse outcome pathway (AOP) development. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 184-196.	2.3	16
27	Identifying organic compounds in exhaled breath aerosol: Non-invasive sampling from respirator surfaces and disposable hospital masks. <i>Journal of Aerosol Science</i> , 2019, 137, 105444.	3.8	15
28	Effects of Diesel Exhaust Particles and Carbon Black on Induction of Dust Mite Allergy in Brown Norway Rats. <i>Journal of Immunotoxicology</i> , 2005, 2, 41-49.	1.7	14
29	How do cancer-sniffing dogs sort biological samples? Exploring case-control samples with non-targeted LC-Orbitrap, GC-MS, and immunochemistry methods. <i>Journal of Breath Research</i> , 2020, 14, 016006.	3.0	11
30	Responses of cultured human airways epithelial cells treated with diesel exhaust extracts will vary with the engine load. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2003, 66, 2281-2297.	2.3	8
31	Complex issues with examining diesel exhaust toxicity: Is the task getting easier or harder?. <i>Experimental and Toxicologic Pathology</i> , 2008, 60, 135-140.	2.1	8
32	Ozone Reacts With Carbon Black to Produce a Fulvic Acid-Like Substance and Increase an Inflammatory Effect. <i>Toxicologic Pathology</i> , 2020, 48, 887-898.	1.8	7
33	Comparative toxicity and mutagenicity of soy-biodiesel and petroleum-diesel emissions: overview of studies from the U.S. EPA, Research Triangle Park, NC. <i>Inhalation Toxicology</i> , 2015, 27, 511-514.	1.6	6
34	Impact of E-Cigarette Liquid Flavoring Agents on Activity of Microsomal Recombinant CYP2A6, the Primary Nicotine-Metabolizing Enzyme. <i>Chemical Research in Toxicology</i> , 2020, 33, 1689-1697.	3.3	6
35	Oleic acid and derivatives affect human endothelial cell mitochondrial function and vasoactive mediator production. <i>Lipids in Health and Disease</i> , 2020, 19, 128.	3.0	5
36	Review: Endogenously Produced Volatiles for In Vitro Toxicity Testing Using Cell Lines. <i>Applied in Vitro Toxicology</i> , 2018, 4, 129-138.	1.1	2

#	ARTICLE	IF	CITATIONS
37	12-hydroxy oleic acid impairs endothelium-dependent vasorelaxation. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2019, 82, 383-386.	2.3	1