John R Balmes

List of Publications by Citations

135 papers	15,409 citations	39 h-index	124 g-index
155 ext. papers	18,580 ext. citations	8.4 avg, IF	6.46 L-index

#	Paper	IF	Citations
135	A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet, The*, **2012**, 380, 2224-60	40	7625
134	Outdoor air pollution and asthma. *Lancet, The*, **2014**, 383, 1581-92	40	919
133	An official American Thoracic Society public policy statement: Novel risk factors and the global burden of chronic obstructive pulmonary disease. *American Journal of Respiratory and Critical Care Medicine*, **2010**, 182, 693-718	10.2	602
132	American Thoracic Society Statement: Occupational contribution to the burden of airway disease. *American Journal of Respiratory and Critical Care Medicine*, **2003**, 167, 787-97	10.2	586
131	Respiratory risks from household air pollution in low and middle income countries. *Lancet Respiratory Medicine,the*, **2014**, 2, 823-60	35.1	459
130	Critical Review of Health Impacts of Wildfire Smoke Exposure. *Environmental Health Perspectives*, **2016**, 124, 1334-43	8.4	408
129	Effect of reduction in household air pollution on childhood pneumonia in Guatemala (RESPIRE): a randomised controlled trial. *Lancet, The*, **2011**, 378, 1717-26	40	390
128	Air Pollution and Noncommunicable Diseases: A Review by the Forum of International Respiratory SocietiesTEnvironmental Committee, Part 2: Air Pollution and Organ Systems. *Chest*, **2019**, 155, 417-426	5.3	258
127	Ozone-induced airway inflammation in human subjects as determined by airway lavage and biopsy. *The American Review of Respiratory Disease*, **1993**, 148, 1363-72		256
126	A joint ERS/ATS policy statement: what constitutes an adverse health effect of air pollution? An analytical framework. *European Respiratory Journal*, **2017**, 49,	13.6	230
125	A cleaner burning biomass-fuelled cookstove intervention to prevent pneumonia in children under 5 years old in rural Malawi (the Cooking and Pneumonia Study): a cluster randomised controlled trial. *Lancet, The*, **2017**, 389, 167-175	40	190
124	Early-life air pollution and asthma risk in minority children. The GALA II and SAGE II studies. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 188, 309-18	10.2	188
123	Air Pollution and Noncommunicable Diseases: A Review by the Forum of International Respiratory SocietiesTEnvironmental Committee, Part 1: The Damaging Effects of Air Pollution. *Chest*, **2019**, 155, 409-416	5.3	187
122	Chronic exposure to ambient ozone and lung function in young adults. *Epidemiology*, **2005**, 16, 751-9	3.1	141
121	Spatiotemporal prediction of fine particulate matter during the 2008 northern California wildfires using machine learning. *Environmental Science & Technology*, **2015**, 49, 3887-96	10.3	140
120	The Occupational Burden of Nonmalignant Respiratory Diseases. An Official American Thoracic Society and European Respiratory Society Statement. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 1312-1334	10.2	129
119	Symptomatic bronchoconstriction after short-term inhalation of sulfur dioxide. *The American Review of Respiratory Disease*, **1987**, 136, 1117-21		98

118	Differential respiratory health effects from the 2008 northern California wildfires: A spatiotemporal approach. *Environmental Research*, **2016**, 150, 227-235	7.9	87
117	An official American Thoracic Society statement: diagnosis and management of beryllium sensitivity and chronic beryllium disease. *American Journal of Respiratory and Critical Care Medicine*, **2014**, 190, e34-59	10.2	84
116	Effects of chronic and acute ozone exposure on lipid peroxidation and antioxidant capacity in healthy young adults. *Environmental Health Perspectives*, **2007**, 115, 1732-7	8.4	79
115	Household air pollution from domestic combustion of solid fuels and health. *Journal of Allergy and Clinical Immunology*, **2019**, 143, 1979-1987	11.5	78
114	Exposure to NO, CO, and PM is linked to regional DNA methylation differences in asthma. *Clinical Epigenetics*, **2018**, 10, 2	7.7	74
113	Associations between historical residential redlining and current age-adjusted rates of emergency department visits due to asthma across eight cities in California: an ecological study. *Lancet Planetary Health, The*, **2020**, 4, e24-e31	9.8	71
112	Physician reports of work-related asthma in California, 1993-1996. *American Journal of Industrial Medicine*, **2001**, 39, 72-83	2.7	61
111	Excess mortality associated with the COVID-19 pandemic among Californians 18-65 years of age, by occupational sector and occupation: March through November 2020. *PLoS ONE*, **2021**, 16, e0252454	3.7	59
110	Exposure to medium and high ambient levels of ozone causes adverse systemic inflammatory and cardiac autonomic effects. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 308, H1499-509	5.2	55
109	Air pollution exposure: a novel environmental risk factor for interstitial lung disease?. *Chest*, **2015**, 147, 1161-1167	5.3	55
108	Outdoor Air Pollution and New-Onset Airway Disease. An Official American Thoracic Society Workshop Report. *Annals of the American Thoracic Society*, **2020**, 17, 387-398	4.7	52
107	Lipoid pneumonia caused by oil mist exposure from a steel rolling tandem mill. *American Journal of Industrial Medicine*, **1981**, 2, 51-8	2.7	51
106	Decreased lung function in 7-year-old children with early-life organophosphate exposure. *Thorax*, **2016**, 71, 148-53	7.3	50
105	ERS/ATS workshop report on respiratory health effects of household air pollution. *European Respiratory Journal*, **2018**, 51,	13.6	48
104	American College of Chest Physicians consensus statement on the respiratory health effects of asbestos. Results of a Delphi study. *Chest*, **2009**, 135, 1619-1627	5.3	46
103	Health Benefits of Air Pollution Reduction. *Annals of the American Thoracic Society*, **2019**, 16, 1478-1487	4.7	46
102	Exposure to traffic: lung function and health status in adults with asthma. *Journal of Allergy and Clinical Immunology*, **2009**, 123, 626-31	11.5	45
101	Air Pollution Exposure Is Associated With Lower Lung Function, but Not Changes in Lung Function, in Patients With Idiopathic Pulmonary Fibrosis. *Chest*, **2018**, 154, 119-125	5.3	44

100	The last Summer Olympics? Climate change, health, and work outdoors. *Lancet, The*, **2016**, 388, 642-4	40	44
99	Ambient polycyclic aromatic hydrocarbons and pulmonary function in children. *Journal of Exposure Science and Environmental Epidemiology*, **2015**, 25, 295-302	6.7	42
98	Air Pollution and Lung Function in Minority Youth with Asthma in the GALA II (Genes-Environments and Admixture in Latino Americans) and SAGE II (Study of African Americans, Asthma, Genes, and Environments) Studies. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 193, 1271-80	10.2	41
97	Wildland firefighter smoke exposure and risk of lung cancer and cardiovascular disease mortality. *Environmental Research*, **2019**, 173, 462-468	7.9	40
96	Home monitoring improves endpoint efficiency in idiopathic pulmonary fibrosis. *European Respiratory Journal*, **2017**, 50,	13.6	39
95	Investigation of hydrogen sulfide exposure and lung function, asthma and chronic obstructive pulmonary disease in a geothermal area of New Zealand. *PLoS ONE*, **2015**, 10, e0122062	3.7	39
94	Further exploration of the links between occupational exposure and chronic obstructive pulmonary disease. *Journal of Occupational and Environmental Medicine*, **2009**, 51, 804-10	2	39
93	High risks of lung disease associated with early-life and moderate lifetime arsenic exposure in northern Chile. *Toxicology and Applied Pharmacology*, **2016**, 313, 10-15	4.6	37
92	Climate change. A global threat to cardiopulmonary health. *American Journal of Respiratory and Critical Care Medicine*, **2014**, 189, 512-9	10.2	37
91	Healthy Air, Healthy Brains: Advancing Air Pollution Policy to Protect Children Ts Health. *American Journal of Public Health*, **2019**, 109, 550-554	5.1	34
90	Effects of woodsmoke exposure on airway inflammation in rural Guatemalan women. *PLoS ONE*, **2014**, 9, e88455	3.7	34
89	Prenatal high molecular weight phthalates and bisphenol A, and childhood respiratory and allergic outcomes. *Pediatric Allergy and Immunology*, **2019**, 30, 36-46	4.2	34
88	Impact of Long-Term Exposures to Ambient PM and Ozone on ARDS Risk for Older Adults in the United States. *Chest*, **2019**, 156, 71-79	5.3	33
87	Associations between prenatal maternal urinary concentrations of personal care product chemical biomarkers and childhood respiratory and allergic outcomes in the CHAMACOS study. *Environment International*, **2018**, 121, 538-549	12.9	33
86	Occupational contribution to the burden of chronic obstructive pulmonary disease. *Journal of Occupational and Environmental Medicine*, **2005**, 47, 154-60	2	32
85	Prenatal exposure to air pollution, maternal diabetes and preterm birth. *Environmental Research*, **2019**, 170, 160-167	7.9	32
84	Occupational Exposure to Polycyclic Aromatic Hydrocarbon of Wildland Firefighters at Prescribed and Wildland Fires. *Environmental Science & Technology*, **2017**, 51, 6461-6469	10.3	31
83	Lung function in woodsmoke-exposed Guatemalan children following a chimney stove intervention. *Thorax*, **2016**, 71, 421-8	7.3	29

82	Respiratory Responses to Ozone Exposure. MOSES (The Multicenter Ozone Study in Older Subjects). *American Journal of Respiratory and Critical Care Medicine*, **2018**, 197, 1319-1327	10.2	29
81	Altered pulmonary function in children with asthma associated with highway traffic near residence. *International Journal of Environmental Health Research*, **2009**, 19, 139-55	3.6	28
80	Occupational airways diseases from chronic low-level exposures to irritants. *Clinics in Chest Medicine*, **2002**, 23, 727-35, vi	5.3	26
79	Where There's Wildfire, There's Smoke. *New England Journal of Medicine*, **2018**, 378, 881-883	59.2	25
78	Measurement of nasal irritant sensitivity to pulsed carbon dioxide: a pilot study. *Archives of Environmental Health*, **1997**, 52, 334-40		25
77	A Review of Community Smoke Exposure from Wildfire Compared to Prescribed Fire in the United States. *Atmosphere*, **2018**, 9, 185	2.7	23
76	Lung Function in Rural Guatemalan Women Before and After a Chimney Stove Intervention to Reduce Wood Smoke Exposure: Results From the Randomized Exposure Study of Pollution Indoors and Respiratory Effects and Chronic Respiratory Effects of Early Childhood Exposure to Respirable Particulate Matter Study. *Chest*, **2015**, 148, 1184-1192	5.3	23
75	Annual average ambient particulate matter exposure estimates, measured home particulate matter, and hair nicotine are associated with respiratory outcomes in adults with asthma. *Environmental Research*, **2014**, 129, 1-10	7.9	23
74	Ozone effects on blood biomarkers of systemic inflammation, oxidative stress, endothelial function, and thrombosis: The Multicenter Ozone Study in oldEr Subjects (MOSES). *PLoS ONE*, **2019**, 14, e0222601	3.7	22
73	Ambient Air Pollution and Asthma-Related Outcomes in Children of Color of the USA: a Scoping Review of Literature Published Between 2013 and 2017. *Current Allergy and Asthma Reports*, **2018**, 18, 29	5.6	22
72	Air-Quality Impacts and Intake Fraction of PM during the 2013 Rim Megafire. *Environmental Science & Technology*, **2016**, 50, 11965-11973	10.3	22
71	Cardiopulmonary Impact of Particulate Air Pollution in High-Risk Populations: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, **2020**, 76, 2878-2894	15.1	22
70	Lung health and exposure to air pollution in Malawian children (CAPS): a cross-sectional study. *Thorax*, **2019**, 74, 1070-1077	7.3	22
69	The CARET asbestos-exposed cohort: baseline characteristics and comparison to other asbestos-exposed cohorts. *American Journal of Industrial Medicine*, **1997**, 32, 573-81	2.7	21
68	Developing small-area predictions for smoking and obesity prevalence in the United States for use in Environmental Public Health Tracking. *Environmental Research*, **2014**, 134, 435-52	7.9	20
67	Inflammatory and repair pathways induced in human bronchoalveolar lavage cells with ozone inhalation. *PLoS ONE*, **2015**, 10, e0127283	3.7	19
66	Elemental Sulfur Use and Associations with Pediatric Lung Function and Respiratory Symptoms in an Agricultural Community (California, USA). *Environmental Health Perspectives*, **2017**, 125, 087007	8.4	17
65	Secondhand smoke exposure and asthma outcomes among African-American and Latino children with asthma. *Thorax*, **2018**, 73, 1041-1048	7.3	17

64	The impact of BMI on non-malignant respiratory symptoms and lung function in arsenic exposed adults of Northern Chile. *Environmental Research*, **2017**, 158, 710-719	7.9	17
63	Prenatal phthalate, paraben, and phenol exposure and childhood allergic and respiratory outcomes: Evaluating exposure to chemical mixtures. *Science of the Total Environment*, **2020**, 725, 138418	10.2	17
62	Wildland firefighter exposure to smoke and COVID-19: A new risk on the fire line. *Science of the Total Environment*, **2021**, 760, 144296	10.2	17
61	Air pollution exposure is linked with methylation of immunoregulatory genes, altered immune cell profiles, and increased blood pressure in children. *Scientific Reports*, **2021**, 11, 4067	4.9	17
60	Use of cleaner-burning biomass stoves and airway macrophage black carbon in Malawian women. *Science of the Total Environment*, **2018**, 635, 405-411	10.2	15
59	Influence of school environments on childhood obesity in California. *Environmental Research*, **2018**, 166, 100-107	7.9	15
58	Non-communicable respiratory disease and air pollution exposure in Malawi: a prospective cohort study. *Thorax*, **2020**, 75, 220-226	7.3	15
57	Early-life ozone exposure associated with asthma without sensitization in Latino children. *Journal of Allergy and Clinical Immunology*, **2016**, 138, 1703-1706.e1	11.5	14
56	Exhaled carbon monoxide: a non-invasive biomarker of short-term exposure to outdoor air pollution. *BMC Public Health*, **2017**, 17, 320	4.1	14
55	The joint effect of ambient air pollution and agricultural pesticide exposures on lung function among children with asthma. *Environmental Research*, **2020**, 190, 109903	7.9	14
54	Cardiovascular function and ozone exposure: The Multicenter Ozone Study in oldEr Subjects (MOSES). *Environment International*, **2018**, 119, 193-202	12.9	13
53	Cooking behaviors are related to household particulate matter exposure in children with asthma in the urban East Bay Area of Northern California. *PLoS ONE*, **2018**, 13, e0197199	3.7	13
52	Association of Wildfire Air Pollution and Health Care Use for Atopic Dermatitis and Itch. *JAMA Dermatology*, **2021**, 157, 658-666	5.1	12
51	An Apparatus for Generating Aged Cigarette Smoke for Controlled Human Exposure Studies. *Aerosol Science and Technology*, **2012**, 46, 1246-1255	3.4	11
50	Ambient air pollution, asthma drug response, and telomere length in African American youth. *Journal of Allergy and Clinical Immunology*, **2019**, 144, 839-845.e10	11.5	10
49	Respiratory Impacts of Wildland Fire Smoke: Future Challenges and Policy Opportunities. An Official American Thoracic Society Workshop Report. *Annals of the American Thoracic Society*, **2021**, 18, 921-930	4.7	10
48	In utero tobacco smoke exposure, DNA methylation, and asthma in Latino children. *Environmental Epidemiology*, **2019**, 3, e048	0.2	9
47	The Cooking and Pneumonia Study (CAPS) in Malawi: A Cross-Sectional Assessment of Carbon Monoxide Exposure and Carboxyhemoglobin Levels in Children under 5 Years Old. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	9

46	In control of ambient and household air pollution - how low should we go?. *Lancet Respiratory Medicine,the*, **2017**, 5, 918-920	35.1	8
45	Incident command post exposure to polycyclic aromatic hydrocarbons and particulate matter during a wildfire. *Journal of Occupational and Environmental Hygiene*, **2019**, 16, 735-744	2.9	8
44	Traffic-related air pollution is associated with glucose dysregulation, blood pressure, and oxidative stress in children. *Environmental Research*, **2021**, 195, 110870	7.9	8
43	Monitoring and modeling of household air quality related to use of different Cookfuels in Paraguay. *Indoor Air*, **2019**, 29, 252-262	5.4	8
42	Acute differences in pulse wave velocity, augmentation index, and central pulse pressure following controlled exposures to cookstove air pollution in the Subclinical Tests of Volunteers Exposed to Smoke (SToVES) study. *Environmental Research*, **2020**, 180, 108831	7.9	8
41	Geospatial-temporal analysis of the impact of ozone on asthma rescue inhaler use. *Environment International*, **2020**, 136, 105331	12.9	7
40	Short-term differences in cardiac function following controlled exposure to cookstove air pollution: The subclinical tests on volunteers exposed to smoke (STOVES) study. *Environment International*, **2021**, 146, 106254	12.9	7
39	Do Ambient Ozone or Other Pollutants Modify Effects of Controlled Ozone Exposure on Pulmonary Function?. *Annals of the American Thoracic Society*, **2020**, 17, 563-572	4.7	6
38	Residential proximity to agricultural fumigant use and respiratory health in 7-year old children. *Environmental Research*, **2018**, 164, 93-99	7.9	6
37	The Effects of Bit Wear on Respirable Silica Dust, Noise and Productivity: A Hammer Drill Bench Study. *Annals of Work Exposures and Health*, **2017**, 61, 700-710	2.4	6
36	Exposure to Household Air Pollution from Biomass Cookstoves and Levels of Fractional Exhaled Nitric Oxide (FeNO) among Honduran Women. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	6
35	Genetic modification of the effect of maternal household air pollution exposure on birth weight in Guatemalan newborns. *Reproductive Toxicology*, **2014**, 50, 19-26	3.4	5
34	Can we predict who will develop chronic sequelae of acute inhalational injury?. *Chest*, **2012**, 142, 278-279	5.3	5
33	Accelerated lung function decline in an aluminium manufacturing industry cohort exposed to PM: an application of the parametric g-formula. *Occupational and Environmental Medicine*, **2019**, 76, 888-894	2.1	5
32	Lung cancer mortality and exposure to synthetic metalworking fluid and biocides: controlling for the healthy worker survivor effect. *Occupational and Environmental Medicine*, **2018**, 75, 730-735	2.1	4
31	Occupational factors in work-related inhalations: inferences for prevention strategy. *American Journal of Industrial Medicine*, **1994**, 25, 783-91	2.7	4
30	Systematic Review of Ozone Effects on Human Lung Function, 2013 Through 2020. *Chest*, **2021**,	5.3	4
29	EPAЂs New Ozone Air Quality Standard: Why Should We Care?. *Annals of the American Thoracic Society*, **2017**, 14, 1627-1629	4.7	3

28	The Changing Nature of Wildfires: Impacts on the Health of the Public. *Clinics in Chest Medicine*, **2020**, 41, 771-776	5.3	3
27	Long-term ozone exposure is positively associated with telomere length in critically ill patients. *Environment International*, **2020**, 141, 105780	12.9	3
26	Reply to Eissenberg and Maziak: Are Electronic Cigarette Users at Risk for Lipid-mediated Lung Injury?. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 1013-1014	10.2	3
25	Prospective cohort study of respiratory effects at ages 14 to 26 following early life exposure to arsenic in drinking water. *Environmental Epidemiology*, **2020**, 4, e089	0.2	3
24	Residential urban tree canopy is associated with decreased mortality during tuberculosis treatment in California. *Science of the Total Environment*, **2020**, 711, 134580	10.2	3
23	The hazards of wildfire smoke exposure for children. *Current Problems in Pediatric and Adolescent Health Care*, **2020**, 50, 100756	2.2	3
22	Raising standards to lower diesel emissions. *Science*, **2021**, 371, 1314-1316	33.3	3
21	Airway Inflammation and Occupational Asthma. *Clinics in Chest Medicine*, **1988**, 9, 577-590	5.3	2
20	Biomass Fuel Use and Cardiac Function in Nepali Women. *Global Heart*, **2020**, 15, 11	2.9	2
19	When the Fetus Is Exposed to Smoke, the Developing Lung Is Burned. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 684-685	10.2	2
18	Acute changes in lung function following controlled exposure to cookstove air pollution in the subclinical tests of volunteers exposed to smoke (STOVES) study. *Inhalation Toxicology*, **2020**, 32, 115-123	2.7	2
17	Comparison of motorcycle taxi driverЂs respiratory health using an air quality standard for carbon monoxide in ambient air: a pilot survey in Benin. *Pan African Medical Journal*, **2018**, 30, 113	1.2	2
16	Identifying impacts of air pollution on subacute asthma symptoms using digital medication sensors. *International Journal of Epidemiology*, **2021**,	7.8	2
15	Acute differences in blood lipids and inflammatory biomarkers following controlled exposures to cookstove air pollution in the STOVES study. *International Journal of Environmental Health Research* , **2020**, 1-14	3.6	1
14	Optimizing community-level surveillance data for pediatric asthma management. *Preventive Medicine Reports*, **2018**, 10, 55-61	2.6	1
13	Influence of Age, Gender, and Allergy Status on Nasal Reactivity to Inhaled Chlorine. *Inhalation Toxicology*, **2003**, 15, 1179-1189	2.7	1
12	The Air We Breathe: Respiratory Impact of Indoor Air Quality in COPD.. *American Journal of Respiratory and Critical Care Medicine*, **2022**,	10.2	1
11	Climate Change and Implications for Prevention. CaliforniaЂs Efforts to Provide Leadership. *Annals of the American Thoracic Society*, **2018**, 15, S114-S117	4.7	1

10	Traffic-related air pollution, biomarkers of metabolic dysfunction, oxidative stress, and CC16 in children. *Journal of Exposure Science and Environmental Epidemiology*, **2021**,	6.7	1
9	Increases in ambient air pollutants during pregnancy are linked to increases in methylation of IL4, IL10, and IFN *Clinical Epigenetics*, **2022**, 14, 40	7.7	1
8	0224 Direct exposure to metalworking fluid aerosols and chronic obstructive pulmonary disease in a cohort of U.S. automotive industry workers. *Occupational and Environmental Medicine*, **2014**, 71, A30.3-A31	2.1	0
7	Effects of short-term increases in personal and ambient pollutant concentrations on pulmonary and cardiovascular function: A panel study analysis of the Multicenter Ozone Study in oldEr subjects (MOSES 2).. *Environmental Research*, **2021**, 205, 112522	7.9	0
6	Indoor Air Pollution and Susceptibility to Tuberculosis Infection in Urban Vietnamese Children. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 204, 1211-1221	10.2	0
5	AJRCCM: 100-Year Anniversary. Clearing the Air: Indoors, Outdoors, and At Work. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 1100-1103	10.2	
4	National Institute of Environmental Health Sciences: 50 Years of Advancing Science and Improving Lung Health. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 194, 1190-1195	10.2	
3	Predictors of Urinary Polycyclic Aromatic Hydrocarbon Concentrations: NHANES 2001–2006. *Exposure and Health*, **2019**, 11, 237-247	8.8	
2	Response. *Chest*, **2018**, 154, 727-728	5.3	
1	Location-weighted traffic-related air pollution and asthma symptoms in urban adolescents. *Air Quality, Atmosphere and Health*,1	5.6	