John R Balmes

List of Publications by Year in Descending Order

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	The Air We Breathe: Respiratory Impact of Indoor Air Quality in COPD.. *American Journal of Respiratory and Critical Care Medicine*, **2022**,	10.2	1
134	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
133	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
132	Raising standards to lower diesel emissions. *Science*, **2021**, 371, 1314-1316	33.3	3
131	Traffic-related air pollution is associated with glucose dysregulation, blood pressure, and oxidative stress in children. *Environmental Research*, **2021**, 195, 110870	7.9	8
130	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
129	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
128	Association of Wildfire Air Pollution and Health Care Use for Atopic Dermatitis and Itch. *JAMA Dermatology*, **2021**, 157, 658-666	5.1	12
127	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
126	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
125	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
124	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
123	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
122	Systematic Review of Ozone Effects on Human Lung Function, 2013 Through 2020. *Chest*, **2021**,	5.3	4
121	Identifying impacts of air pollution on subacute asthma symptoms using digital medication sensors. *International Journal of Epidemiology*, **2021**,	7.8	2
120	The Changing Nature of Wildfires: Impacts on the Health of the Public. *Clinics in Chest Medicine*, **2020**, 41, 771-776	5.3	3
119	Long-term ozone exposure is positively associated with telomere length in critically ill patients. *Environment International*, **2020**, 141, 105780	12.9	3

118	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
117	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
116	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
115	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
114	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
113	Biomass Fuel Use and Cardiac Function in Nepali Women. *Global Heart*, **2020**, 15, 11	2.9	2
112	Geospatial-temporal analysis of the impact of ozone on asthma rescue inhaler use. *Environment International*, **2020**, 136, 105331	12.9	7
111	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
110	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
109	The hazards of wildfire smoke exposure for children. *Current Problems in Pediatric and Adolescent Health Care*, **2020**, 50, 100756	2.2	3
108	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
107	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
106	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
105	Non-communicable respiratory disease and air pollution exposure in Malawi: a prospective cohort study. *Thorax*, **2020**, 75, 220-226	7.3	15
104	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
103	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
102	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
101	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

100	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
99	Household air pollution from domestic combustion of solid fuels and health. *Journal of Allergy and Clinical Immunology*, **2019**, 143, 1979-1987	11.5	78
98	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
97	Wildland firefighter smoke exposure and risk of lung cancer and cardiovascular disease mortality. *Environmental Research*, **2019**, 173, 462-468	7.9	40
96	Healthy Air, Healthy Brains: Advancing Air Pollution Policy to Protect Children's Health. *American Journal of Public Health*, **2019**, 109, 550-554	5.1	34
95	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
94	In utero tobacco smoke exposure, DNA methylation, and asthma in Latino children. *Environmental Epidemiology*, **2019**, 3, e048	0.2	9
93	Lung health and exposure to air pollution in Malawian children (CAPS): a cross-sectional study. *Thorax*, **2019**, 74, 1070-1077	7.3	22
92	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
91	Health Benefits of Air Pollution Reduction. *Annals of the American Thoracic Society*, **2019**, 16, 1478-1487	4.7	46
90	Air Pollution and Noncommunicable Diseases: A Review by the Forum of International Respiratory Societies'Environmental Committee, Part 2: Air Pollution and Organ Systems. *Chest*, **2019**, 155, 417-426	5.3	258
89	Air Pollution and Noncommunicable Diseases: A Review by the Forum of International Respiratory Societies'Environmental Committee, Part 1: The Damaging Effects of Air Pollution. *Chest*, **2019**, 155, 409-416	5.3	187
88	Prenatal exposure to air pollution, maternal diabetes and preterm birth. *Environmental Research*, **2019**, 170, 160-167	7.9	32
87	Predictors of Urinary Polycyclic Aromatic Hydrocarbon Concentrations: NHANES 2001–2006. *Exposure and Health*, **2019**, 11, 237-247	8.8	
86	Monitoring and modeling of household air quality related to use of different Cookfuels in Paraguay. *Indoor Air*, **2019**, 29, 252-262	5.4	8
85	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
84	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
83	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

82	Residential proximity to agricultural fumigant use and respiratory health in 7-year old children. *Environmental Research*, **2018**, 164, 93-99	7.9	6
81	Optimizing community-level surveillance data for pediatric asthma management. *Preventive Medicine Reports*, **2018**, 10, 55-61	2.6	1
80	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
79	Where There's Wildfire, There's Smoke. *New England Journal of Medicine*, **2018**, 378, 881-883	59.2	25
78	ERS/ATS workshop report on respiratory health effects of household air pollution. *European Respiratory Journal*, **2018**, 51,	13.6	48
77	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
76	A Review of Community Smoke Exposure from Wildfire Compared to Prescribed Fire in the United States. *Atmosphere*, **2018**, 9, 185	2.7	23
75	Cardiovascular function and ozone exposure: The Multicenter Ozone Study in oldEr Subjects (MOSES). *Environment International*, **2018**, 119, 193-202	12.9	13
74	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
73	Exposure to NO, CO, and PM is linked to regional DNA methylation differences in asthma. *Clinical Epigenetics*, **2018**, 10, 2	7.7	74
72	Influence of school environments on childhood obesity in California. *Environmental Research*, **2018**, 166, 100-107	7.9	15
71	Secondhand smoke exposure and asthma outcomes among African-American and Latino children with asthma. *Thorax*, **2018**, 73, 1041-1048	7.3	17
70	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
69	Comparison of motorcycle taxi driver's 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
68	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
67	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
66	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
65	Response. *Chest*, **2018**, 154, 727-728	5.3	

64	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
63	Climate Change and Implications for Prevention. CaliforniaЂs Efforts to Provide Leadership. *Annals of the American Thoracic Society*, **2018**, 15, S114-S117	4.7	1
62	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
61	Occupational Exposure to Polycyclic Aromatic Hydrocarbon of Wildland Firefighters at Prescribed and Wildland Fires. *Environmental Science & Technology*, **2017**, 51, 6461-6469	10.3	31
60	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	
59	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
58	EPAЂs New Ozone Air Quality Standard: Why Should We Care?. *Annals of the American Thoracic Society*, **2017**, 14, 1627-1629	4.7	3
57	In control of ambient and household air pollution - how low should we go?. *Lancet Respiratory Medicine,the*, **2017**, 5, 918-920	35.1	8
56	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
55	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
54	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
53	Home monitoring improves endpoint efficiency in idiopathic pulmonary fibrosis. *European Respiratory Journal*, **2017**, 50,	13.6	39
52	Exhaled carbon monoxide: a non-invasive biomarker of short-term exposure to outdoor air pollution. *BMC Public Health*, **2017**, 17, 320	4.1	14
51	Air-Quality Impacts and Intake Fraction of PM during the 2013 Rim Megafire. *Environmental Science & Technology*, **2016**, 50, 11965-11973	10.3	22
50	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
49	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
48	Decreased lung function in 7-year-old children with early-life organophosphate exposure. *Thorax*, **2016**, 71, 148-53	7.3	50
47	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

46	Critical Review of Health Impacts of Wildfire Smoke Exposure. *Environmental Health Perspectives*, **2016**, 124, 1334-43	8.4	408
45	Differential respiratory health effects from the 2008 northern California wildfires: A spatiotemporal approach. *Environmental Research*, **2016**, 150, 227-235	7.9	87
44	Lung function in woodsmoke-exposed Guatemalan children following a chimney stove intervention. *Thorax*, **2016**, 71, 421-8	7.3	29
43	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	
42	The last Summer Olympics? Climate change, health, and work outdoors. *Lancet, The*, **2016**, 388, 642-4	40	44
41	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
40	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
39	Air pollution exposure: a novel environmental risk factor for interstitial lung disease?. *Chest*, **2015**, 147, 1161-1167	5.3	55
38	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
37	Inflammatory and repair pathways induced in human bronchoalveolar lavage cells with ozone inhalation. *PLoS ONE*, **2015**, 10, e0127283	3.7	19
36	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
35	Ambient polycyclic aromatic hydrocarbons and pulmonary function in children. *Journal of Exposure Science and Environmental Epidemiology*, **2015**, 25, 295-302	6.7	42
34	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
33	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
32	Respiratory risks from household air pollution in low and middle income countries. *Lancet Respiratory Medicine,the*, **2014**, 2, 823-60	35.1	459
31	Outdoor air pollution and asthma. *Lancet, The*, **2014**, 383, 1581-92	40	919
30	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
29	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

28	Climate change. A global threat to cardiopulmonary health. *American Journal of Respiratory and Critical Care Medicine*, **2014**, 189, 512-9	10.2	37
27	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
26	Effects of woodsmoke exposure on airway inflammation in rural Guatemalan women. *PLoS ONE*, **2014**, 9, e88455	3.7	34
25	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
24	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
23	An Apparatus for Generating Aged Cigarette Smoke for Controlled Human Exposure Studies. *Aerosol Science and Technology*, **2012**, 46, 1246-1255	3.4	11
22	Can we predict who will develop chronic sequelae of acute inhalational injury?. *Chest*, **2012**, 142, 278-279	5.3	5
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	Occupational contribution to the burden of chronic obstructive pulmonary disease. *Journal of Occupational and Environmental Medicine*, **2005**, 47, 154-60	2	32
13	Chronic exposure to ambient ozone and lung function in young adults. *Epidemiology*, **2005**, 16, 751-9	3.1	141
12	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
11	Influence of Age, Gender, and Allergy Status on Nasal Reactivity to Inhaled Chlorine. *Inhalation Toxicology*, **2003**, 15, 1179-1189	2.7	1

10	Occupational airways diseases from chronic low-level exposures to irritants. *Clinics in Chest Medicine*, **2002**, 23, 727-35, vi	5.3	26
9	Physician reports of work-related asthma in California, 1993-1996. *American Journal of Industrial Medicine*, **2001**, 39, 72-83	2.7	61
8	Measurement of nasal irritant sensitivity to pulsed carbon dioxide: a pilot study. *Archives of Environmental Health*, **1997**, 52, 334-40		25
7	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
6	Occupational factors in work-related inhalations: inferences for prevention strategy. *American Journal of Industrial Medicine*, **1994**, 25, 783-91	2.7	4
5	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
4	Airway Inflammation and Occupational Asthma. *Clinics in Chest Medicine*, **1988**, 9, 577-590	5.3	2
3	Symptomatic bronchoconstriction after short-term inhalation of sulfur dioxide. *The American Review of Respiratory Disease*, **1987**, 136, 1117-21		98
2	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
1	Location-weighted traffic-related air pollution and asthma symptoms in urban adolescents. *Air Quality, Atmosphere and Health*,1	5.6	