Neal Fann

List of Publications by Year
in descending order

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50 papers	4,267 citations	172207 29 h-index	197535 49 g-index
51 all docs	51 docs citations	51 times ranked	5377 citing authors

#	Article	IF	Citations
1	Global estimates of mortality associated with long-term exposure to outdoor fine particulate matter. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9592-9597.	3.3	1,407
2	Estimating the National Public Health Burden Associated with Exposure to Ambient PM_{2.5} and Ozone. Risk Analysis, 2012, 32, 81-95.	1.5	472
3	Estimates of the Global Burden of Ambient PM2.5, Ozone, and NO2 on Asthma Incidence and Emergency Room Visits. Environmental Health Perspectives, 2018, 126, 107004.	2.8	209
4	The health impacts and economic value of wildland fire episodes in the U.S.: 2008â€“2012. Science of the Total Environment, 2018, 610-611, 802-809.	3.9	184
5	The influence of location, source, and emission type in estimates of the human health benefits of reducing a ton of air pollution. Air Quality, Atmosphere and Health, 2009, 2, 169-176.	1.5	139
6	The Recent and Future Health Burden of Air Pollution Apportioned Across U.S. Sectors. Environmental Science & Technology, 2013, 47, 3580-3589.	4.6	124
7	The Environmental Benefits Mapping and Analysis ProgramÂâ€“ÂCommunity Edition (BenMAPâ€“CE): A tool to estimate the health and economic benefits of reducing air pollution. Environmental Modelling and Software, 2018, 104, 118-129.	1.9	122
8	Characterizing the PM2.5-related health benefits of emission reductions for 17 industrial, area and mobile emission sectors across the U.S.. Environment International, 2012, 49, 141-151.	4.8	113
9	A class of non-linear exposure-response models suitable for health impact assessment applicable to large cohort studies of ambient air pollution. Air Quality, Atmosphere and Health, 2016, 9, 961-972.	1.5	106
10	Health Benefits from Large-Scale Ozone Reduction in the United States. Environmental Health Perspectives, 2012, 120, 1404-1410.	2.8	99
11	The geographic distribution and economic value of climate change-related ozone health impacts in the United States in 2030. Journal of the Air and Waste Management Association, 2015, 65, 570-580.	0.9	85
12	The health benefits of reducing air pollution in Sydney, Australia. Environmental Research, 2015, 143, 19-25.	3.7	85
13	Effect modification of ozone-related mortality risks by temperature in 97 US cities. Environment International, 2014, 73, 128-134.	4.8	81
14	Maximizing Health Benefits and Minimizing Inequality: Incorporating Localâ€Scale Data in the Design and Evaluation of Air Quality Policies. Risk Analysis, 2011, 31, 908-922.	1.5	80
15	The public health context for PM2.5 and ozone air quality trends. Air Quality, Atmosphere and Health, 2013, 6, 1-11.	1.5	69
16	Methodological considerations in developing local-scale health impact assessments: balancing national, regional, and local data. Air Quality, Atmosphere and Health, 2009, 2, 99-110.	1.5	68
17	Climate Change-Related Temperature Impacts on Warm Season Heat Mortality: A Proof-of-Concept Methodology Using BenMAP. Environmental Science & Technology, 2011, 45, 1450-1457.	4.6	67
18	Survey of Ambient Air Pollution Health Risk Assessment Tools. Risk Analysis, 2016, 36, 1718-1736.	1.5	66

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19	Estimated Changes in Life Expectancy and Adult Mortality Resulting from Declining PM2.5 Exposures in the Contiguous United States: 1980â€“2010. Environmental Health Perspectives, 2017, 125, 097003.	2.8	65
20	Effects of Increasing Aridity on Ambient Dust and Public Health in the U.S. Southwest Under Climate Change. GeoHealth, 2019, 3, 127-144.	1.9	56
21	The estimated change in the level and distribution of PM2.5-attributable health impacts in the United States: 2005â€“2014. Environmental Research, 2018, 167, 506-514.	3.7	53
22	A multiâ€“pollutant, riskâ€“based approach to air quality management: Case study for Detroit. Atmospheric Pollution Research, 2010, 1, 296-304.	1.8	52
23	Improving the Linkages between Air Pollution Epidemiology and Quantitative Risk Assessment. Environmental Health Perspectives, 2011, 119, 1671-1675.	2.8	47
24	Impacts of oak pollen on allergic asthma in the United States and potential influence of future climate change. GeoHealth, 2017, 1, 80-92.	1.9	42
25	The Environmental Benefits Mapping and Analysis Program - Community Edition (BenMAP-CE): A tool to estimate the health and economic benefits of reducing air pollution. Environmental Modelling and Software, 2018, 104, 118-129.	1.9	39
26	Outdoor Fine Particles and Nonfatal Strokes. Epidemiology, 2014, 25, 835-842.	1.2	35
27	Quantifying the Public Health Benefits of Reducing Air Pollution: Critically Assessing the Features and Capabilities of WHOâ€™s AirQ+ and U.S. EPAâ€™s Environmental Benefits Mapping and Analysis Programâ€”Community Edition (BenMAPâ€”CE). Atmosphere, 2020, 11, 516.	1.0	35
28	Estimates of Present and Future Asthma Emergency Department Visits Associated With Exposure to Oak, Birch, and Grass Pollen in the United States. GeoHealth, 2019, 3, 11-27.	1.9	33
29	Assessing Human Health PM_{2.5} and Ozone Impacts from U.S. Oil and Natural Gas Sector Emissions in 2025. Environmental Science & Technology, 2018, 52, 8095-8103.	4.6	32
30	Heat-Related Health Impacts under Scenarios of Climate and Population Change. International Journal of Environmental Research and Public Health, 2018, 15, 2438.	1.2	22
31	Health benefits and control costs of tightening particulate matter emissions standards for coal power plants - The case of Northeast Brazil. Environment International, 2019, 124, 420-430.	4.8	20
32	Monetized health benefits attributable to mobile source emission reductions across the United States in 2025. Science of the Total Environment, 2019, 650, 2490-2498.	3.9	18
33	Characterizing the Longâ€Term PM_{2.5} Concentrationâ€Response Function: Comparing the Strengths and Weaknesses of Research Synthesis Approaches. Risk Analysis, 2016, 36, 1693-1707.	1.5	17
34	A database for evaluating the InMAP, APEEP, and EASIUR reduced complexity air-quality modeling tools. Data in Brief, 2020, 28, 104886.	0.5	16
35	Characterizing the confluence of air pollution risks in the United States. Air Quality, Atmosphere and Health, 2016, 9, 293-301.	1.5	13
36	Estimating the Health and Economic Impacts of Changes in Local Air Quality. American Journal of Public Health, 2018, 108, S151-S157.	1.5	12

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37	Ozone-related asthma emergency department visits in the US in a warming climate. Environmental Research, 2020, 183, 109206.	3.7	12
38	The recent and future health burden of the U.S. mobile sector apportioned by source. Environmental Research Letters, 2020, 15, 075009.	2.2	12
39	Estimating Lifetime Cost of Illness. An Application to Asthma. Annals of the American Thoracic Society, 2020, 17, 1558-1569.	1.5	12
40	Change in fine particle-related premature deaths among US population subgroups between 1980 and 2010. Air Quality, Atmosphere and Health, 2019, 12, 673-682.	1.5	9
41	CABOT-O₃: An Optimization Model for Air Quality Benefit-Cost and Distributional Impacts Analysis. Environmental Science & Technology, 2020, 54, 13370-13378.	4.6	5
42	Meeting Report: Estimating the Benefits of Reducing Hazardous Air Pollutantsâ€"Summary of 2009 Workshop and Future Considerations. Environmental Health Perspectives, 2011, 119, 125-130.	2.8	4
43	Modeling future asthma attributable to fine particulate matter (PM2.5) in a changing climate: a health impact assessment. Air Quality, Atmosphere and Health, 2022, 15, 311-319.	1.5	4
44	The Role of Temperature in Modifying the Risk of Ozone-Attributable Mortality under Future Changes in Climate: A Proof-of-Concept Analysis. Environmental Science & Technology, 2022, 56, 1202-1210.	4.6	4
45	Response. Risk Analysis, 2012, 32, 197-199.	1.5	3
46	Reanalysis of the association between reduction in long-term PM2.5 concentrations and improved life expectancy. Environmental Health, 2021, 20, 102.	1.7	3
47	Response to Cox Letter: â€œMiscommunicating Risk, Uncertainty, and Causation: Fine Particulate Air Pollution and Mortality Risk as an Exampleâ€• Risk Analysis, 2012, 32, 768-770.	1.5	2
48	Letter in Response to Fraas & Lutter Article: â€œUncertain Benefits Estimates for Reductions in Fine Particle Concentrationsâ€• Risk Analysis, 2013, 33, 755-756.	1.5	2
49	Dynamic Versus Static Modeling of Mortality-Related Benefits of PM_{2.5} Reductions in the USA and Chile: 1990 to 2050. Journal of Benefit-Cost Analysis, 2022, 13, 198-223.	0.6	2
50	Using Science to Shape Policy. Molecular and Integrative Toxicology, 2015, , 403-436.	0.5	0