## Fay H Johnston Bmbs, Mae

List of Publications by Year in descending order

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141 papers

10,464 citations

57631 44 h-index 98 g-index

144 all docs

144 docs citations

times ranked

144

10790 citing authors

#	Article	IF	CITATIONS
1	Long-term impact of exposure to coalmine fire emitted PM2.5 on emergency ambulance attendances. Chemosphere, 2022, 288, 132339.	4.2	3
2	Thunderstorm asthma in seasonal allergic rhinitis: The TAISAR study. Journal of Allergy and Clinical Immunology, 2022, 149, 1607-1616.	1.5	7
3	Outdoor particulate matter exposure and upper respiratory tract infections in children and adolescents: A systematic review and meta-analysis. Environmental Research, 2022, 210, 112969.	3.7	28
4	Long-term impacts of coal mine fire-emitted PM2.5 on hospitalisation: a longitudinal analysis of the Hazelwood Health Study. International Journal of Epidemiology, 2022, 51, 179-190.	0.9	2
5	Population collapse of a Gondwanan conifer follows the loss of Indigenous fire regimes in a northern Australian savanna. Scientific Reports, 2022, 12, .	1.6	7
6	Long-term exposure to ambient air pollution is associated with coronary artery calcification among asymptomatic adults. European Heart Journal Cardiovascular Imaging, 2021, 22, 922-929.	0.5	25
7	Cohort Profile: The Hazelwood Health Study Latrobe Early Life Follow-Up (ELF) Study. International Journal of Epidemiology, 2021, 49, 1779-1780.	0.9	11
8	Cohort Profile: The Hazelwood Health Study Adult Cohort. International Journal of Epidemiology, 2021, 49, 1777-1778.	0.9	27
9	Adverse effects of prenatal exposure to residential dust on post-natal brain development. Environmental Research, 2021, 198, 110489.	3.7	5
10	Unprecedented health costs of smoke-related PM2.5 from the 2019–20 Australian megafires. Nature Sustainability, 2021, 4, 42-47.	11.5	127
11	Sub-Clinical Effects of Outdoor Smoke in Affected Communities. International Journal of Environmental Research and Public Health, 2021, 18, 1131.	1.2	1
12	What are the health and socioeconomic impacts of allergic respiratory disease in Tasmania?. Australian Health Review, 2021, 45, 281-289.	0.5	2
13	Environmental Hazards and Behavior Change: User Perspectives on the Usability and Effectiveness of the AirRater Smartphone App. International Journal of Environmental Research and Public Health, 2021, 18, 3591.	1.2	10
14	Can Public Spaces Effectively Be Used as Cleaner Indoor Air Shelters during Extreme Smoke Events?. International Journal of Environmental Research and Public Health, 2021, 18, 4085.	1.2	11
15	The effects on mortality and the associated financial costs of wood heater pollution in a regional Australian city. Medical Journal of Australia, 2021, 215, 269-272.	0.8	5
16	Costing the health impacts of prescribed burns and wildfire smoke in New South Wales, Australia. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
17	Associations between respiratory and vascular function in early childhood. Respirology, 2021, 26, 1060-1066.	1.3	2

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19	757Using smartphone technology to characterise associations between respiratory symptoms and pollen. International Journal of Epidemiology, 2021, 50, .	0.9	O
20	Editorial: Understanding and Communicating Wildland Fire Smoke Risk. Frontiers in Public Health, 2021, 9, 721823.	1.3	2
21	66Adverse birth outcomes associated with ambient air pollution at levels below air quality guidelines. International Journal of Epidemiology, 2021, 50, .	0.9	O
22	Smoke health costs and the calculus for wildfires fuel management: a modelling study. Lancet Planetary Health, The, 2021, 5, e608-e619.	5.1	19
23	Characterising non-linear associations between airborne pollen counts and respiratory symptoms from the AirRater smartphone app in Tasmania, Australia: A case time series approach. Environmental Research, 2021, 200, 111484.	3.7	22
24	67Maternal Exposure to PM2.5 from a Coal Mine Fire is Associated with Gestational Diabetes Mellitus. International Journal of Epidemiology, 2021, 50, .	0.9	O
25	â€~Pollen potency': the relationship between atmospheric pollen counts and allergen exposure. Aerobiologia, 2021, 37, 825-841.	0.7	12
26	Ambulance dispatches and heatwaves in Tasmania, Australia: A case-crossover analysis. Environmental Research, 2021, 202, 111655.	3.7	13
27	Avoidable Mortality Attributable to Anthropogenic Fine Particulate Matter (PM2.5) in Australia. International Journal of Environmental Research and Public Health, 2021, 18, 254.	1.2	14
28	The 2021 report of the <i>MJA</i> – <i>Lancet</i> Countdown on health and climate change: Australia increasingly out on a limb. Medical Journal of Australia, 2021, 215, 390.	0.8	29
29	Is greater public transport use associated with higher levels of physical activity in a regional setting? Findings from a pilot study. Pilot and Feasibility Studies, 2021, 7, 217.	0.5	O
30	Exposure to air pollution during the first 1000 days of life and subsequent health service and medication usage in children. Environmental Pollution, 2020, 256, 113340.	3.7	13
31	Coal-mine fire-related fine particulate matter and medical-service utilization in Australia: a time-series analysis from the Hazelwood Health Study. International Journal of Epidemiology, 2020, 49, 80-93.	0.9	18
32	Early life exposure to coal mine fire smoke emissions and altered lung function in young children. Respirology, 2020, 25, 198-205.	1.3	32
33	Acceptability and perceived feasibility of strategies to increase public transport use for physical activity gain – A mixed methods study. Health Promotion Journal of Australia, 2020, 31, 504-517.	0.6	8
34	Can smartphone data identify the local environmental drivers of respiratory disease?. Environmental Research, 2020, 182, 109118.	3.7	25
35	Maternal exposure to fine particulate matter from a large coal mine fire is associated with gestational diabetes mellitus: A prospective cohort study. Environmental Research, 2020, 183, 108956.	3.7	26
36	Roof cavity dust as an exposure proxy for extreme air pollution events. Chemosphere, 2020, 244, 125537.	4.2	8

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37	Public Health Messaging During Extreme Smoke Events: Are We Hitting the Mark?. Frontiers in Public Health, 2020, 8, 465.	1.3	17
38	Burning to reduce fuels: the benefits and risks of a public health protection strategy. Medical Journal of Australia, 2020, 213, 246.	0.8	6
39	Wildfires, Global Climate Change, and Human Health. New England Journal of Medicine, 2020, 383, 2173-2181.	13.9	279
40	Respiratory and atopic conditions in children two to four years after the 2014 Hazelwood coalmine fire. Medical Journal of Australia, 2020, 213, 269-275.	0.8	15
41	A mixed-methods study of the demographic and behavioural correlates of walking to a more distant bus stop. Transportation Research Interdisciplinary Perspectives, 2020, 6, 100164.	1.6	4
42	Using Digital Technology to Protect Health in Prolonged Poor Air Quality Episodes: A Case Study of the AirRater App during the Australian 2019–20 Fires. Fire, 2020, 3, 40.	1.2	22
43	Vegetation fires in the Anthropocene. Nature Reviews Earth & Environment, 2020, 1, 500-515.	12.2	419
44	The 2020 special report of the <i>MJA–Lancet</i> Countdown on health and climate change: lessons learnt from Australia's "Black Summer― Medical Journal of Australia, 2020, 213, 490.	0.8	59
45	Socioâ€demographic, behavioural and healthâ€related characteristics associated with active commuting in a regional Australian state: Evidence from the 2016 Tasmanian Population Health Survey. Health Promotion Journal of Australia, 2020, 32 Suppl 2, 320-331.	0.6	1
46	Health Impacts of Ambient Biomass Smoke in Tasmania, Australia. International Journal of Environmental Research and Public Health, 2020, 17, 3264.	1.2	26
47	Adverse birth outcomes in Victoria, Australia in association with maternal exposure to low levels of ambient air pollution. Environmental Research, 2020, 188, 109784.	3.7	31
48	Unprecedented smokeâ€related health burden associated with the 2019–20 bushfires in eastern Australia. Medical Journal of Australia, 2020, 213, 282-283.	0.8	198
49	Exceedances of national air quality standards for particulate matter in Western Australia: sources and healthâ€related impacts. Medical Journal of Australia, 2020, 213, 280-281.	0.8	8
50	Sub-Daily Exposure to Fine Particulate Matter and Ambulance Dispatches during Wildfire Seasons: A Case-Crossover Study in British Columbia, Canada. Environmental Health Perspectives, 2020, 128, 67006.	2.8	42
51	Bushfire smoke: urgent need for a national health protection strategy. Medical Journal of Australia, 2020, 212, 349.	0.8	87
52	Maternal Exposure to Ambient Air Pollution and Pregnancy Complications in Victoria, Australia. International Journal of Environmental Research and Public Health, 2020, 17, 2572.	1.2	17
53	Early life exposure to coal mine fire and tobacco smoke affect subclinical vascular function. Archives of Disease in Childhood, 2020, 105, 539-544.	1.0	8
54	Climate Change, Wildfires, Heatwaves and Health Impacts in Australia., 2020,, 99-116.		24

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55	Reflections on the Catastrophic 2019–2020 Australian Bushfires. Innovation(China), 2020, 1, 100010.	5.2	15
56	Short-term exposure to ambient fine particulate matter and out-of-hospital cardiac arrest: a nationwide case-crossover study in Japan. Lancet Planetary Health, The, 2020, 4, e15-e23.	5.1	55
57	The health impacts of waste-to-energy emissions: a systematic review of the literature. Environmental Research Letters, 2020, 15, 123006.	2.2	28
58	High community burden of smoke-related symptoms in the Hunter and New England regions during the 2019–2020 Australian bushfires. Public Health Research and Practice, 2020, 30, .	0.7	6
59	Human–environmental drivers and impacts of the globally extreme 2017 Chilean fires. Ambio, 2019, 48, 350-362.	2.8	114
60	The Contribution of Geogenic Particulate Matter to Lung Disease in Indigenous Children. International Journal of Environmental Research and Public Health, 2019, 16, 2636.	1.2	5
61	Association between fire smoke fine particulate matter and asthma-related outcomes: Systematic review and meta-analysis. Environmental Research, 2019, 179, 108777.	3.7	92
62	The 2019 report of the <i><scp>MJA</scp></i> – <i>Lancet</i> Countdown on health and climate change: a turbulent year with mixed progress. Medical Journal of Australia, 2019, 211, 490.	0.8	53
63	The Value of Local Heatwave Impact Assessment: A Case-Crossover Analysis of Hospital Emergency Department Presentations in Tasmania, Australia. International Journal of Environmental Research and Public Health, 2019, 16, 3715.	1.2	28
64	Evaluating the Risk of Epidemic Thunderstorm Asthma: Lessons from Australia. International Journal of Environmental Research and Public Health, 2019, 16, 837.	1.2	10
65	Ambient Particulate Matter and Paramedic Assessments of Acute Diabetic, Cardiovascular, and Respiratory Conditions. Epidemiology, 2019, 30, 11-19.	1.2	22
66	Feasibility and Normal Ranges of Arterial Intima-Media Thickness and Stiffness in 2-Year-Old Children: A Pilot Study. Pediatric Cardiology, 2019, 40, 914-920.	0.6	1
67	Maternal exposure to fine particulate matter from a coal mine fire and birth outcomes in Victoria, Australia. Environment International, 2019, 127, 233-242.	4.8	17
68	Long-term impacts of prenatal and infant exposure to fine particulate matter on wheezing and asthma. Environmental Epidemiology, 2019, 3, e042.	1.4	8
69	Fine particulate matter exposure and medication dispensing during and after a coal mine fire: A time series analysis from the Hazelwood Health Study. Environmental Pollution, 2019, 246, 1027-1035.	3.7	30
70	Is remaining indoors an effective way of reducing exposure to fine particulate matter during biomass burning events?. Journal of the Air and Waste Management Association, 2019, 69, 611-622.	0.9	30
71	Maternal exposure to short-to medium-term outdoor air pollution and obstetric and neonatal outcomes: A systematic review. Environmental Pollution, 2019, 244, 915-925.	3.7	34
72	AirRater Tasmania: Using Smartphone Technology to Understand Local Environmental Drivers of Symptoms in People with Asthma and Allergic Rhinitis. Journal of Allergy and Clinical Immunology, 2018, 141, AB84.	<b>1.</b> 5	3

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<b>7</b> 3	Maternal exposure to particulate matter alters early post-natal lung function and immune cell development. Environmental Research, 2018, 164, 625-635.	3.7	13
74	Predicting the minimum height of forest fire smoke within the atmosphere using machine learning and data from the CALIPSO satellite. Remote Sensing of Environment, 2018, 206, 98-106.	4.6	50
<b>7</b> 5	The pro-inflammatory effects of particulate matter on epithelial cells are associated with elemental composition. Chemosphere, 2018, 202, 530-537.	4.2	18
76	Dynamic ecological observations from satellites inform aerobiology of allergenic grass pollen. Science of the Total Environment, 2018, 633, 441-451.	3.9	37
77	The health impacts and economic value of wildland fire episodes in the U.S.: 2008–2012. Science of the Total Environment, 2018, 610-611, 802-809.	3.9	184
78	Air pollution and telomere length: a systematic review of 12,058 subjects. Cardiovascular Diagnosis and Therapy, 2018, 8, 480-492.	0.7	49
79	Extensible Database of Validated Biomass Smoke Events for Health Research. Fire, 2018, 1, 50.	1.2	3
80	Can Air Quality Management Drive Sustainable Fuels Management at the Temperate Wildland–Urban Interface?. Fire, 2018, 1, 27.	1.2	12
81	Satellite-Based Land-Use Regression for Continental-Scale Long-Term Ambient PM <sub>2.5</sub> Exposure Assessment in Australia. Environmental Science & Technology, 2018, 52, 12445-12455.	4.6	64
82	Long-term exposure to low concentrations of air pollutants and hospitalisation for respiratory diseases: A prospective cohort study in Australia. Environment International, 2018, 121, 415-420.	4.8	47
83	Seasonal asthma in Melbourne, Australia, and some observations on the occurrence of thunderstorm asthma and its predictability. PLoS ONE, 2018, 13, e0194929.	1.1	47
84	Using smartphone technology to reduce health impacts from atmospheric environmental hazards. Environmental Research Letters, 2018, 13, 044019.	2.2	40
85	Heatwave and health impact research: A global review. Health and Place, 2018, 53, 210-218.	1.5	294
86	Place, human agency and community resilience – considerations for public health management of smoke from prescribed burning. Local Environment, 2018, 23, 975-990.	1.1	10
87	Did Fine Particulate Matter from the Summer 2016 Landscape Fires in Tasmania Increase Emergency Ambulance Dispatches? A Case Crossover Analysis. Fire, 2018, 1, 26.	1.2	6
88	Health burden associated with fire smoke in Sydney, 2001–2013. Medical Journal of Australia, 2018, 208, 309-310.	0.8	23
89	Air quality policy and fire management responses addressing smoke from wildland fires in the United States and Australia. International Journal of Wildland Fire, 2017, 26, 347.	1.0	17
90	Ambient particulate matter, landscape fire smoke, and emergency ambulance dispatches in Sydney, Australia. Environment International, 2017, 99, 208-212.	4.8	44

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91	Understanding and managing the health impacts of poor air quality from landscape fires. Medical Journal of Australia, 2017, 207, 229-230.	0.8	13
92	Critical Review of Health Impacts of Wildfire Smoke Exposure. Environmental Health Perspectives, 2016, 124, 1334-1343.	2.8	754
93	A transdisciplinary approach to understanding the health effects of wildfire and prescribed fire smoke regimes. Environmental Research Letters, 2016, 11, 125009.	2.2	84
94	A rapid assessment of the impact of hazard reduction burning around Sydney, May 2016. Medical Journal of Australia, 2016, 205, 407-408.	0.8	41
95	The pyrohealth transition: how combustion emissions have shaped health through human history. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150173.	1.8	16
96	Living on a flammable planet: interdisciplinary, cross-scalar and varied cultural lessons, prospects and challenges. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150469.	1.8	39
97	Regional and seasonal variation in airborne grass pollen levels between cities of Australia and New Zealand. Aerobiologia, 2016, 32, 289-302.	0.7	34
98	Health effects of smoke from planned burns: a study protocol. BMC Public Health, 2016, 16, 186.	1.2	3
99	A cross-sectional survey of environmental health in remote Aboriginal communities in Western Australia. International Journal of Environmental Health Research, 2016, 26, 525-535.	1.3	37
100	Community-Wide Distribution of a Catalytic Device to Reduce Winter Ambient Fine Particulate Matter from Residential Wood Combustion: A Field Study. PLoS ONE, 2016, 11, e0166677.	1.1	3
101	Differences in grass pollen allergen exposure across Australia. Australian and New Zealand Journal of Public Health, 2015, 39, 51-55.	0.8	42
102	Coal mine fires and human health: What do we know?. International Journal of Coal Geology, 2015, 152, 1-14.	1.9	113
103	Impact of smoke from prescribed burning: Is it a public health concern?. Journal of the Air and Waste Management Association, 2015, 65, 592-598.	0.9	51
104	Air pollution events from forest fires and emergency department attendances in Sydney, Australia 1996–2007: a case-crossover analysis. Environmental Health, 2014, 13, 105.	1.7	91
105	Bushfire Smoke: An Exemplar of Coupled Human and Natural Systems. Geographical Research, 2014, 52, 45-54.	0.9	20
106	Bushfires, Human Health Economics, and Pyrogeography. Geographical Research, 2014, 52, 340-343.	0.9	8
107	Pyrogeography, historical ecology, and the human dimensions of fire regimes. Journal of Biogeography, 2014, 41, 833-836.	1.4	47
108	The Macroecology of Airborne Pollen in Australian and New Zealand Urban Areas. PLoS ONE, 2014, 9, e97925.	1.1	58

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109	The impact of heat on mortality and morbidity in the Greater Metropolitan Sydney Region: a case crossover analysis. Environmental Health, 2013, 12, 98.	1.7	62
110	Evaluation of interventions to reduce air pollution from biomass smoke on mortality in Launceston, Australia: retrospective analysis of daily mortality, 1994-2007. BMJ, The, 2013, 346, e8446-e8446.	3.0	82
111	Air pollution from bushfires and their association with hospital admissions in Sydney, Newcastle and Wollongong, Australia 1994–2007. Australian and New Zealand Journal of Public Health, 2013, 37, 238-243.	0.8	90
112	Estimated Global Mortality Attributable to Smoke from Landscape Fires. Environmental Health Perspectives, 2012, 120, 695-701.	2.8	576
113	Measures of forest fire smoke exposure and their associations with respiratory health outcomes. Current Opinion in Allergy and Clinical Immunology, 2012, 12, 221-227.	1.1	68
114	The Relationship between Particulate Pollution Levels in Australian Cities, Meteorology, and Landscape Fire Activity Detected from MODIS Hotspots. PLoS ONE, 2012, 7, e47327.	1.1	36
115	Extreme air pollution events from bushfires and dust storms and their association with mortality in Sydney, Australia 1994–2007. Environmental Research, 2011, 111, 811-816.	3.7	229
116	The human dimension of fire regimes on Earth. Journal of Biogeography, 2011, 38, 2223-2236.	1.4	845
117	Creating an Integrated Historical Record of Extreme Particulate Air Pollution Events in Australian Cities from 1994 to 2007. Journal of the Air and Waste Management Association, 2011, 61, 390-398.	0.9	44
118	Healthy country, healthy people: the relationship between Indigenous health status and "caring for country― Medical Journal of Australia, 2009, 190, 567-572.	0.8	212
119	Pollen Loads and Allergic Rhinitis in Darwin, Australia: A Potential Health Outcome of the Grass-Fire Cycle. EcoHealth, 2009, 6, 99-108.	0.9	35
120	Healthy Country, Healthy People: Policy Implications of Links between Indigenous Human Health and Environmental Condition in Tropical Australia. Australian Journal of Public Administration, 2009, 68, 53-66.	1.0	71
121	Fire in the Earth System. Science, 2009, 324, 481-484.	6.0	2,330
122	Bushfires and human health in a changing environment. Australian Family Physician, 2009, 38, 720-4.	0.5	15
123	The validity of a depression screening tool modified for use with Aboriginal and Torres Strait Islander people. Australian and New Zealand Journal of Public Health, 2008, 32, 317-321.	0.8	59
124	Vegetation fire smoke, indigenous status and cardio-respiratory hospital admissions in Darwin, Australia, 1996–2005: a time-series study. Environmental Health, 2008, 7, 42.	1.7	94
125	Seasonal distribution of pollen in the atmosphere of Darwin, tropical Australia: Preliminary results. Grana, 2007, 46, 34-42.	0.4	16
126	The acceptability of a depression screening tool in an urban, Aboriginal community-controlled health service. Australian and New Zealand Journal of Public Health, 2007, 31, 259-263.	0.8	38

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127	Seasonal patterns in biomass smoke pollution and the mid 20th-century transition from Aboriginal to European fire management in northern Australia. Global Ecology and Biogeography, 2007, 16, 246-256.	2.7	32
128	Respiratory hospital admissions were associated with ambient airborne pollen in Darwin, Australia, 2004–2005. Clinical and Experimental Allergy, 2007, 37, 1556-1565.	1.4	37
129	Ambient biomass smoke and cardio-respiratory hospital admissions in Darwin, Australia. BMC Public Health, 2007, 7, 240.	1.2	109
130	Ecohealth and Aboriginal Testimony of the Nexus Between Human Health and Place. EcoHealth, 2007, 4, 489-499.	0.9	52
131	Vegetation fires, particulate air pollution and asthma: A panel study in the Australian monsoon tropics. International Journal of Environmental Health Research, 2006, 16, 391-404.	1.3	57
132	Seasonal patterns in biomass smoke pollution and the mid 20th-century transition from Aboriginal to European fire management in northern Australia. Global Ecology and Biogeography, 2006, .	2.7	0
133	Healthy Country: Healthy People? Exploring the health benefits of Indigenous natural resource management. Australian and New Zealand Journal of Public Health, 2005, 29, 117-122.	0.8	191
134	Strongyloidiasis: A review of the evidence for Australian practitioners. Australian Journal of Rural Health, 2005, 13, 247-254.	0.7	66
135	Wildfire Smoke, Fire Management, and Human Health. EcoHealth, 2005, 2, 76-80.	0.9	87
136	In reply: Serial correlation and confounders in timeâ€series air pollution studies. Medical Journal of Australia, 2002, 177, 397-398.	0.8	3
137	Exposure to bushfire smoke and asthma: an ecological study. Medical Journal of Australia, 2002, 176, 535-538.	0.8	98
138	Evaluating the use of penicillin to control outbreaks of acute poststreptococcal glomerulonephritis. Pediatric Infectious Disease Journal, 1999, 18, 327-332.	1.1	55
139	A community-based approach to the control of sexually transmitted diseases in the Northern Territory. Australian and New Zealand Journal of Public Health, 1997, 21, 519-523.	0.8	6
140	SKIN SORES IN ABORIGINAL CHILDREN. Journal of Paediatrics and Child Health, 1995, 31, 563-563.	0.4	18
141	Smoke pollution must be part of the savanna fire management equation: A case study from Darwin, Australia. Ambio, 0, , .	2.8	3