

# Sotiris Vardoulakis

## List of Publications by Citations

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114  
papers

5,678  
citations

39  
h-index

73  
g-index

132  
ext. papers

6,991  
ext. citations

6.5  
avg, IF

5.98  
L-index

#	Paper	IF	Citations
114	Modelling air quality in street canyons: a review. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 155-182	5.3	729
113	Projections of temperature-related excess mortality under climate change scenarios. <i>Lancet Planetary Health</i> , <b>2017</b> , 1, e360-e367	9.8	272
112	Climate change effects on human health: projections of temperature-related mortality for the UK during the 2020s, 2050s and 2080s. <i>Journal of Epidemiology and Community Health</i> , <b>2014</b> , 68, 641-8	5.1	252
111	Dynamics and dispersion modelling of nanoparticles from road traffic in the urban atmospheric environment: a review. <i>Journal of Aerosol Science</i> , <b>2011</b> , 42, 580-603	4.3	247
110	A review of the characteristics of nanoparticles in the urban atmosphere and the prospects for developing regulatory controls. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 5035-5052	5.3	235
109	Health and climate related ecosystem services provided by street trees in the urban environment. <i>Environmental Health</i> , <b>2016</b> , 15 Suppl 1, 36	6	198
108	Haze, public health and mitigation measures in China: A review of the current evidence for further policy response. <i>Science of the Total Environment</i> , <b>2017</b> , 578, 148-157	10.2	171
107	The Urban Heat Island: Implications for Health in a Changing Environment. <i>Current Environmental Health Reports</i> , <b>2017</b> , 4, 296-305	6.5	168
106	Attributing human mortality during extreme heat waves to anthropogenic climate change. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 074006	6.2	158
105	Comparative assessment of the effects of climate change on heat- and cold-related mortality in the United Kingdom and Australia. <i>Environmental Health Perspectives</i> , <b>2014</b> , 122, 1285-92	8.4	137
104	Impact of climate change on the domestic indoor environment and associated health risks in the UK. <i>Environment International</i> , <b>2015</b> , 85, 299-313	12.9	134
103	Sources and factors affecting PM10 levels in two European cities: Implications for local air quality management. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 3949-3963	5.3	111
102	An integrated tool to assess the role of new planting in PM10 capture and the human health benefits: a case study in London. <i>Environmental Pollution</i> , <b>2009</b> , 157, 2645-53	9.3	109
101	Attribution of mortality to the urban heat island during heatwaves in the West Midlands, UK. <i>Environmental Health</i> , <b>2016</b> , 15 Suppl 1, 27	6	105
100	Long-term exposure to ambient ozone and mortality: a quantitative systematic review and meta-analysis of evidence from cohort studies. <i>BMJ Open</i> , <b>2016</b> , 6, e009493	3	93
99	Changes in population susceptibility to heat and cold over time: assessing adaptation to climate change. <i>Environmental Health</i> , <b>2016</b> , 15 Suppl 1, 33	6	84
98	Operational air pollution modelling in the UK: street canyon applications and challenges. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 4622-4637	5.3	83

97	'Green' on the ground but not in the air: Pro-environmental attitudes are related to household behaviours but not discretionary air travel. <i>Global Environmental Change</i> , <b>2017</b> , 42, 136-147	10.1	81
96	Intra-urban and street scale variability of BTEX, NO <sub>2</sub> and O <sub>3</sub> in Birmingham, UK: Implications for exposure assessment. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 5069-5078	5.3	68
95	Temperature-related mortality impacts under and beyond Paris Agreement climate change scenarios. <i>Climatic Change</i> , <b>2018</b> , 150, 391-402	4.5	67
94	Taking Action on Air Pollution Control in the Beijing-Tianjin-Hebei (BTH) Region: Progress, Challenges and Opportunities. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	63
93	Assessing urban population vulnerability and environmental risks across an urban area during heatwaves - Implications for health protection. <i>Science of the Total Environment</i> , <b>2018</b> , 610-611, 678-690 <sup>10.2</sup>	10.2	60
92	Modelling wind flow and vehicle-induced turbulence in urban streets. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 4918-4931	5.3	60
91	Indoor Exposure to Selected Air Pollutants in the Home Environment: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	59
90	Public health co-benefits of greenhouse gas emissions reduction: A systematic review. <i>Science of the Total Environment</i> , <b>2018</b> , 627, 388-402	10.2	56
89	The effects of horizontal advection on the urban heat island in Birmingham and the West Midlands, United Kingdom during a heatwave. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2015</b> , 141, 1429-1441	6.4	56
88	Mapping allergenic pollen vegetation in UK to study environmental exposure and human health. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 483-499	10.2	55
87	Modelling dispersion of traffic pollution in a deep street canyon: Application of CFD and operational models. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 2303-2311	5.3	54
86	Health burdens of surface ozone in the UK for a range of future scenarios. <i>Environment International</i> , <b>2013</b> , 61, 36-44	12.9	53
85	Pollen exposure and hospitalization due to asthma exacerbations: daily time series in a European city. <i>International Journal of Biometeorology</i> , <b>2017</b> , 61, 1837-1848	3.7	50
84	Land cover and air pollution are associated with asthma hospitalisations: A cross-sectional study. <i>Environment International</i> , <b>2017</b> , 109, 29-41	12.9	49
83	The modifying effect of the building envelope on population exposure to PM <sub>2.5</sub> from outdoor sources. <i>Indoor Air</i> , <b>2014</b> , 24, 639-51	5.4	49
82	Model sensitivity and uncertainty analysis using roadside air quality measurements. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 2121-2134	5.3	49
81	Spatial variability in air pollution exposure in relation to socioeconomic indicators in nine European metropolitan areas: A study on environmental inequality. <i>Environmental Pollution</i> , <b>2019</b> , 249, 345-353	9.3	47
80	Measurement of personal exposure to volatile organic compounds and particle associated PAH in three UK regions. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 4582-8	10.3	44

79	Technical challenges in tackling regulatory concerns for urban atmospheric nanoparticles. <i>Particuology</i> , <b>2011</b> , 9, 566-571	2.8	43
78	Bushfire smoke: urgent need for a national health protection strategy. <i>Medical Journal of Australia</i> , <b>2020</b> , 212, 349-353.e1	4	41
77	Comparison of statistical clustering techniques for the classification of modelled atmospheric trajectories. <i>Theoretical and Applied Climatology</i> , <b>2010</b> , 102, 1-12	3	40
76	Urban greenspace and the indoor environment: Pathways to health via indoor particulate matter, noise, and road noise annoyance. <i>Environmental Research</i> , <b>2020</b> , 180, 108850	7.9	40
75	Assessment of microscale spatio-temporal variation of air pollution at an urban hotspot in Madrid (Spain) through an extensive field campaign. <i>Atmospheric Environment</i> , <b>2016</b> , 140, 432-445	5.3	37
74	Extreme weather and air pollution effects on cardiovascular and respiratory hospital admissions in Cyprus. <i>Science of the Total Environment</i> , <b>2016</b> , 542, 247-53	10.2	37
73	A comparison of fuel use between a low cost, improved wood stove and traditional three-stone stove in rural Kenya. <i>Biomass and Bioenergy</i> , <b>2013</b> , 58, 258-266	5.3	37
72	Improved parameterisation for the numerical modelling of air pollution within an urban street canyon. <i>Environmental Modelling and Software</i> , <b>2009</b> , 24, 381-388	5.2	36
71	Evaluation of traffic-producing turbulence schemes within Operational Street Pollution Models using roadside measurements. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 5357-5370	5.3	36
70	Modelling inhalation exposure to combustion-related air pollutants in residential buildings: Application to health impact assessment. <i>Environment International</i> , <b>2011</b> , 37, 268-79	12.9	35
69	How Harmful Is Particulate Matter Emitted from Biomass Burning? A Thailand Perspective. <i>Current Pollution Reports</i> , <b>2019</b> , 5, 353-377	7.6	34
68	A novel methodology for interpreting air quality measurements from urban streets using CFD modelling. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 5230-5239	5.3	34
67	Monitoring the effect of air pollution episodes on health care consultations and ambulance call-outs in England during March/April 2014: A retrospective observational analysis. <i>Environmental Pollution</i> , <b>2016</b> , 214, 903-911	9.3	32
66	Air Quality Strategies on Public Health and Health Equity in Europe-A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2016</b> , 13,	4.6	32
65	Heat-related mortality in Cyprus for current and future climate scenarios. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 627-633	10.2	31
64	Comparative evaluation of nitrogen oxides and ozone passive diffusion tubes for exposure studies. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 2509-2517	5.3	30
63	Environmental public health risks in European metropolitan areas within the EURO-HEALTHY project. <i>Science of the Total Environment</i> , <b>2019</b> , 658, 1630-1639	10.2	30
62	Comparative assessment of a real-time particle monitor against the reference gravimetric method for PM10 and PM2.5 in indoor air. <i>Atmospheric Environment</i> , <b>2012</b> , 54, 358-364	5.3	28

61	Numerical Model Inter-comparison for Wind Flow and Turbulence Around Single-Block Buildings. <i>Environmental Modeling and Assessment</i> , <b>2011</b> , 16, 169-181	2	28
60	Development of an England-wide indoor overheating and air pollution model using artificial neural networks. <i>Journal of Building Performance Simulation</i> , <b>2016</b> , 9, 606-619	2.8	27
59	Challenges in developing methods for quantifying the effects of weather and climate on water-associated diseases: A systematic review. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005659	4.8	26
58	Are rocket mud stoves associated with lower indoor carbon monoxide and personal exposure in rural Kenya?. <i>Indoor Air</i> , <b>2013</b> , 23, 14-24	5.4	26
57	Lessons Learned from the Australian Bushfires: Climate Change, Air Pollution, and Public Health. <i>JAMA Internal Medicine</i> , <b>2020</b> , 180, 635-636	11.5	25
56	Impact and uncertainty of a traffic management intervention: population exposure to polycyclic aromatic hydrocarbons. <i>Science of the Total Environment</i> , <b>2008</b> , 394, 244-51	10.2	25
55	Greenhouse gas emissions reduction in different economic sectors: Mitigation measures, health co-benefits, knowledge gaps, and policy implications. <i>Environmental Pollution</i> , <b>2018</b> , 240, 683-698	9.3	25
54	Modelling public health improvements as a result of air pollution control policies in the UK over four decades 1970 to 2010. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 074001	6.2	24
53	COVID-19 environmental transmission and preventive public health measures. <i>Australian and New Zealand Journal of Public Health</i> , <b>2020</b> , 44, 333-335	2.3	24
52	Challenges and Opportunities for Urban Environmental Health and Sustainability: the HEALTHY-POLIS initiative. <i>Environmental Health</i> , <b>2016</b> , 15 Suppl 1, 30	6	24
51	Urban vegetation and particle air pollution: Experimental campaigns in a traffic hotspot. <i>Environmental Pollution</i> , <b>2019</b> , 247, 195-205	9.3	24
50	Extreme heat-related mortality avoided under Paris Agreement goals. <i>Nature Climate Change</i> , <b>2018</b> , 8, 551-553	21.4	24
49	Population Health Inequalities Across and Within European Metropolitan Areas through the Lens of the EURO-HEALTHY Population Health Index. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	23
48	Local action on outdoor air pollution to improve public health. <i>International Journal of Public Health</i> , <b>2018</b> , 63, 557-565	4	20
47	The influence of model spatial resolution on simulated ozone and fine particulate matter for Europe: implications for health impact assessments. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 5765-5784	6.8	19
46	Civil aviation, air pollution and human health. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 041001	6.2	18
45	Ambient particulate matter and biomass burning: an ecological time series study of respiratory and cardiovascular hospital visits in northern Thailand. <i>Environmental Health</i> , <b>2020</b> , 19, 77	6	17
44	Mortality and emergency hospitalizations associated with atmospheric particulate matter episodes across the UK in spring 2014. <i>Environment International</i> , <b>2016</b> , 97, 108-116	12.9	17

43	What is cold-related mortality? A multi-disciplinary perspective to inform climate change impact assessments. <i>Environment International</i> , <b>2018</b> , 121, 119-129	12.9	17
42	Years of life lost and mortality due to heat and cold in the three largest English cities. <i>Environment International</i> , <b>2020</b> , 144, 105966	12.9	16
41	Human mortality in Cyprus: the role of temperature and particulate air pollution. <i>Regional Environmental Change</i> , <b>2016</b> , 16, 1905-1913	4.3	15
40	Using real-time syndromic surveillance systems to help explore the acute impact of the air pollution incident of March/April 2014 in England. <i>Environmental Research</i> , <b>2015</b> , 136, 500-4	7.9	15
39	BTX concentrations near a stage II implemented petrol station. <i>Environmental Science and Pollution Research</i> , <b>2002</b> , 9, 169-74	5.1	14
38	Household air pollution following replacement of traditional open fire with an improved rocket type cookstove. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 440-447	10.2	13
37	Meteorological drivers and mortality associated with O <sub>3</sub> and PM <sub>2.5</sub> air pollution episodes in the UK in 2006. <i>Atmospheric Environment</i> , <b>2019</b> , 213, 699-710	5.3	13
36	Impact of Air Temperature on London Ambulance Call-Out Incidents and Response Times. <i>Climate</i> , <b>2017</b> , 5, 61	3.1	13
35	Grand Challenges in Sustainable Cities and Health. <i>Frontiers in Sustainable Cities</i> , <b>2019</b> , 1,	2.2	12
34	Measurement and modeling of exposure to selected air toxics for health effects studies and verification by biomarkers. <i>Research Report (health Effects Institute)</i> , <b>2009</b> , 3-96; discussion 97-100	0.9	12
33	Performance evaluation of a multiscale modelling system applied to particulate matter dispersion in a real traffic hot spot in Madrid (Spain). <i>Atmospheric Pollution Research</i> , <b>2020</b> , 11, 141-155	4.5	11
32	Transmission of COVID-19 and other infectious diseases in public washrooms: A systematic review. <i>Science of the Total Environment</i> , <b>2022</b> , 803, 149932	10.2	10
31	An Exposure-Mortality Relationship for Residential Indoor PM <sub>2.5</sub> Exposure from Outdoor Sources. <i>Climate</i> , <b>2017</b> , 5, 66	3.1	9
30	Coronavirus seasonality, respiratory infections and weather. <i>BMC Infectious Diseases</i> , <b>2021</b> , 21, 1101	4	8
29	Physical and Mental Health Effects of Bushfire and Smoke in the Australian Capital Territory 2019-20. <i>Frontiers in Public Health</i> , <b>2021</b> , 9, 682402	6	7
28	Responding to COVID-19 requires strong epidemiological evidence of environmental and societal determining factors. <i>Lancet Planetary Health</i> , <b>2020</b> , 4, e375-e376	9.8	7
27	Housing interventions and health: Quantifying the impact of indoor particles on mortality and morbidity with disease recovery. <i>Environment International</i> , <b>2015</b> , 81, 73-9	12.9	6
26	Cold-related mortality in three European metropolitan areas: Athens, Lisbon and London. Implications for health promotion. <i>Urban Climate</i> , <b>2019</b> , 30, 100532	6.8	6

25	In Utero Exposure to Particulate Air Pollution during Pregnancy: Impact on Birth Weight and Health through the Life Course. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	6
24	Potential health impacts from sulphur dioxide and sulphate exposure in the UK resulting from an Icelandic effusive volcanic eruption. <i>Science of the Total Environment</i> , <b>2021</b> , 774, 145549	10.2	6
23	Towards Urbanome the genome of the city to enhance the form and function of future cities. <i>Nature Communications</i> , <b>2019</b> , 10, 4014	17.4	5
22	Local actions to health risks of heatwaves and dengue fever under climate change: Strategies and barriers among primary healthcare professionals in southern China. <i>Environmental Research</i> , <b>2020</b> , 187, 109688	7.9	5
21	Advancing Global Health through Environmental and Public Health Tracking. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	4
20	Avoidable Mortality Attributable to Anthropogenic Fine Particulate Matter (PM) in Australia. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 18,	4.6	4
19	Health Effects of Indoor Air Quality on Children and Young People. <i>Issues in Environmental Science and Technology</i> , <b>2020</b> , 151-188	0.7	4
18	Perceptions of Health Co-Benefits in Relation to Greenhouse Gas Emission Reductions: A Survey among Urban Residents in Three Chinese Cities. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	3
17	Environmental factors associated with general practitioner consultations for allergic rhinitis in London, England: a retrospective time series analysis. <i>BMJ Open</i> , <b>2020</b> , 10, e036724	3	3
16	A Systematic Review of the Development and Validation of the Heat Vulnerability Index: Major Factors, Methods, and Spatial Units. <i>Current Climate Change Reports</i> , <b>2021</b> , 7, 87-97	9	3
15	A health impact assessment of long-term exposure to particulate air pollution in Thailand. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 055018	6.2	3
14	Exposure to urban greenspace and pathways to respiratory health: An exploratory systematic review.. <i>Science of the Total Environment</i> , <b>2022</b> , 829, 154447	10.2	3
13	Focus on exposure to air pollution and related health impacts. <i>Air Quality, Atmosphere and Health</i> , <b>2011</b> , 4, 159-160	5.6	2
12	Future perspectives of emerging infectious diseases control: A One Health approach.. <i>One Health</i> , <b>2022</b> , 14, 100371	7.6	2
11	School children's exposure to indoor fine particulate matter. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 115003	6.2	2
10	Efficacy of Communication Techniques and Health Outcomes of Bushfire Smoke Exposure: A Scoping Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
9	Health Effects of Air Pollutants. <i>Environmental Pollution</i> , <b>2010</b> , 143-184	0	2
8	Future air pollution related health burdens associated with RCP emission changes in the UK. <i>Science of the Total Environment</i> , <b>2021</b> , 773, 145635	10.2	2



7	Neighbourhood and path-based greenspace in three European countries: associations with objective physical activity. <i>BMC Public Health</i> , <b>2021</b> , 21, 282	4.1	2
6	Aerosols and Bacteria From Hand Washing and Drying in Indoor Air.. <i>Frontiers in Public Health</i> , <b>2022</b> , 10, 804825	6	1
5	A Collaborative Framework Highlighting Climate-Sensitive Non-communicable Diseases in Urban Sub-Saharan Africa. <i>Sustainable Development Goals Series</i> , <b>2020</b> , 267-278	0.5	1
4	Exposure to ambient particulate matter and biomass burning during pregnancy: associations with birth weight in Thailand. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2021</b> , 31, 672-682	6.7	1
3	Reflections on climate change and the Australian health system. <i>Australian Health Review</i> , <b>2021</b> , 45, 2-3	1.8	1
2	The relationship between greenspace and personal exposure to PM during walking trips in Delhi, India.. <i>Environmental Pollution</i> , <b>2022</b> , 119294	9.3	1
1	How to build Urbanome, the genome of the city?. <i>Science of the Total Environment</i> , <b>2021</b> , 810, 152310	10.2	