Matthew Loxham

List of Publications by Year
in descending order

26	1,143	516215 16	610482 24
papers	citations	h-index	g-index

28	28	28	2130
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Long-term field comparison of multiple low-cost particulate matter sensors in an outdoor urban environment. Scientific Reports, 2019, 9, 7497.	1.6	157
2	A novel ACE2 isoform is expressed in human respiratory epithelia and is upregulated in response to interferons and RNA respiratory virus infection. Nature Genetics, 2021, 53, 205-214.	9.4	125
3	Physicochemical Characterization of Airborne Particulate Matter at a Mainline Underground Railway Station. Environmental Science & Technology, 2013, 47, 3614-3622.	4.6	97
4	Health effects of particulate matter air pollution in underground railway systems â€“ a critical review of the evidence. Particle and Fibre Toxicology, 2019, 16, 12.	2.8	91
5	City Scale Particulate Matter Monitoring Using LoRaWAN Based Air Quality IoT Devices. Sensors, 2019, 19, 209.	2.1	82
6	Phenotypic and genetic aspects of epithelial barrier function in asthmatic patients. Journal of Allergy and Clinical Immunology, 2017, 139, 1736-1751.	1.5	73
7	The Effects on Bronchial Epithelial Mucociliary Cultures of Coarse, Fine, and Ultrafine Particulate Matter From an Underground Railway Station. Toxicological Sciences, 2015, 145, 98-107.	1.4	64
8	Barrier Disrupting Effects of Alternaria Alternata Extract on Bronchial Epithelium from Asthmatic Donors. PLoS ONE, 2013, 8, e71278.	1.1	63
9	Laboratory Comparison of Low-Cost Particulate Matter Sensors to Measure Transient Events of Pollution. Sensors, 2020, 20, 2219.	2.1	58
10	The health effects of fine particulate air pollution. BMJ, The, 2019, 367, l6609.	3.0	49
11	Particulate matter and the airway epithelium: the special case of the underground?. European Respiratory Review, 2019, 28, 190066.	3.0	42
12	Cellular crosstalk between airway epithelial and endothelial cells regulates barrier functions during exposure to doubleâ€stranded RNA. Immunity, Inflammation and Disease, 2017, 5, 45-56.	1.3	37
13	Pseudohypoxic HIF pathway activation dysregulates collagen structure-function in human lung fibrosis. ELife, 2022, 11, .	2.8	31
14	The longâ€acting Î²â€adrenoceptor agonist, indacaterol, inhibits IgEâ€dependent responses of human lung mast cells. British Journal of Pharmacology, 2009, 158, 267-276.	2.7	26
15	Real-time particle pollution sensing using machine learning. Optics Express, 2018, 26, 27237.	1.7	22
16	Particle and salinity sensing for the marine environment via deep learning using a Raspberry Pi. Environmental Research Communications, 2019, 1, 035001.	0.9	21
17	A neural lens for super-resolution biological imaging. Journal of Physics Communications, 2019, 3, 065004.	0.5	18
18	Allergenic proteases cleave the chemokine CX3CL1 directly from the surface of airway epithelium and augment the effect of rhinovirus. Mucosal Immunology, 2018, 11, 404-414.	2.7	15

#	Article	IF	Citations
19	Fibre-optic based particle sensing via deep learning. JPhys Photonics, 2019, 1, 044004.	2.2	15
20	Lensless imaging of pollen grains at three-wavelengths using deep learning. Environmental Research Communications, 2020, 2, 075005.	0.9	12
21	Inhibition of Pim1 kinase, new therapeutic approach in virus-induced asthma exacerbations. European Respiratory Journal, 2016, 47, 783-791.	3.1	10
22	Harmful effects of particulate air pollution: Identifying the culprits. Respirology, 2015, 20, 7-8.	1.3	9
23	Upregulation of epithelial metallothioneins by metal-rich ultrafine particulate matter from an underground railway. Metallomics, 2020, 12, 1070-1082.	1.0	6
24	Towards an artificial human lung: modelling organ-like complexity to aid mechanistic understanding. European Respiratory Journal, 2022, 60, 2200455.	3.1	6
25	Determination of size of urban particulates from occluded scattering patterns using deep learning and data augmentation. Environmental Research Communications, 2021, 3, 025003.	0.9	0
26	Simultaneous Identification of Size and Complex Refractive Index of a Single Microbead via Mie Scattering. , 2018, , .		0