

Matthew Loxham

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/698171/publications.pdf>

Version: 2024-02-01

26
papers

1,143
citations

516215

16
h-index

610482

24
g-index

28
all docs

28
docs citations

28
times ranked

2130
citing authors

#	ARTICLE	IF	CITATIONS
1	Pseudohypoxic HIF pathway activation dysregulates collagen structure-function in human lung fibrosis. <i>ELife</i> , 2022, 11, .	2.8	31
2	Towards an artificial human lung: modelling organ-like complexity to aid mechanistic understanding. <i>European Respiratory Journal</i> , 2022, 60, 2200455.	3.1	6
3	A novel ACE2 isoform is expressed in human respiratory epithelia and is upregulated in response to interferons and RNA respiratory virus infection. <i>Nature Genetics</i> , 2021, 53, 205-214.	9.4	125
4	Determination of size of urban particulates from occluded scattering patterns using deep learning and data augmentation. <i>Environmental Research Communications</i> , 2021, 3, 025003.	0.9	0
5	Laboratory Comparison of Low-Cost Particulate Matter Sensors to Measure Transient Events of Pollution. <i>Sensors</i> , 2020, 20, 2219.	2.1	58
6	Upregulation of epithelial metallothioneins by metal-rich ultrafine particulate matter from an underground railway. <i>Metallomics</i> , 2020, 12, 1070-1082.	1.0	6
7	Lensless imaging of pollen grains at three-wavelengths using deep learning. <i>Environmental Research Communications</i> , 2020, 2, 075005.	0.9	12
8	Particle and salinity sensing for the marine environment via deep learning using a Raspberry Pi. <i>Environmental Research Communications</i> , 2019, 1, 035001.	0.9	21
9	A neural lens for super-resolution biological imaging. <i>Journal of Physics Communications</i> , 2019, 3, 065004.	0.5	18
10	Fibre-optic based particle sensing via deep learning. <i>JPhys Photonics</i> , 2019, 1, 044004.	2.2	15
11	Long-term field comparison of multiple low-cost particulate matter sensors in an outdoor urban environment. <i>Scientific Reports</i> , 2019, 9, 7497.	1.6	157
12	Health effects of particulate matter air pollution in underground railway systems – a critical review of the evidence. <i>Particle and Fibre Toxicology</i> , 2019, 16, 12.	2.8	91
13	City Scale Particulate Matter Monitoring Using LoRaWAN Based Air Quality IoT Devices. <i>Sensors</i> , 2019, 19, 209.	2.1	82
14	Particulate matter and the airway epithelium: the special case of the underground?. <i>European Respiratory Review</i> , 2019, 28, 190066.	3.0	42
15	The health effects of fine particulate air pollution. <i>BMJ, The</i> , 2019, 367, l6609.	3.0	49
16	Allergenic proteases cleave the chemokine CX3CL1 directly from the surface of airway epithelium and augment the effect of rhinovirus. <i>Mucosal Immunology</i> , 2018, 11, 404-414.	2.7	15
17	Real-time particle pollution sensing using machine learning. <i>Optics Express</i> , 2018, 26, 27237.	1.7	22
18	Simultaneous Identification of Size and Complex Refractive Index of a Single Microbead via Mie Scattering. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Cellular crosstalk between airway epithelial and endothelial cells regulates barrier functions during exposure to double-stranded RNA. <i>Immunity, Inflammation and Disease</i> , 2017, 5, 45-56.	1.3	37
20	Phenotypic and genetic aspects of epithelial barrier function in asthmatic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1736-1751.	1.5	73
21	Inhibition of Pim1 kinase, new therapeutic approach in virus-induced asthma exacerbations. <i>European Respiratory Journal</i> , 2016, 47, 783-791.	3.1	10
22	The Effects on Bronchial Epithelial Mucociliary Cultures of Coarse, Fine, and Ultrafine Particulate Matter From an Underground Railway Station. <i>Toxicological Sciences</i> , 2015, 145, 98-107.	1.4	64
23	Harmful effects of particulate air pollution: Identifying the culprits. <i>Respirology</i> , 2015, 20, 7-8.	1.3	9
24	Physicochemical Characterization of Airborne Particulate Matter at a Mainline Underground Railway Station. <i>Environmental Science & Technology</i> , 2013, 47, 3614-3622.	4.6	97
25	Barrier Disrupting Effects of <i>Alternaria Alternata</i> Extract on Bronchial Epithelium from Asthmatic Donors. <i>PLoS ONE</i> , 2013, 8, e71278.	1.1	63
26	The long-acting β_2 -adrenoceptor agonist, indacaterol, inhibits IgE-dependent responses of human lung mast cells. <i>British Journal of Pharmacology</i> , 2009, 158, 267-276.	2.7	26