

Jan Theunis

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,386
citations

430843

18
h-index

414395

32
g-index

37
all docs

37
docs citations

37
times ranked

1920
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of retinal blood vessel diameters in patients with COPD undergoing a pulmonary rehabilitation program. <i>Microvascular Research</i> , 2022, 139, 104238.	2.5	1
2	Physiological Changes Differ between Responders and Nonresponders to Pulmonary Rehabilitation in COPD. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1125-1133.	0.4	10
3	Development of a land use regression model for black carbon using mobile monitoring data and its application to pollution-avoiding routing. <i>Environmental Research</i> , 2020, 183, 108619.	7.5	23
4	Structural analysis of retinal blood vessels in patients with COPD during a pulmonary rehabilitation program. <i>Scientific Reports</i> , 2020, 10, 31.	3.3	9
5	Skin auto-fluorescence as a measure of advanced glycation end-products is associated with microvascular health in patients with COPD. <i>Microvascular Research</i> , 2020, 132, 104053.	2.5	2
6	A spatio-temporal land use regression model to assess street-level exposure to black carbon. <i>Environmental Modelling and Software</i> , 2020, 133, 104837.	4.5	11
7	Combination of snapshot hyperspectral retinal imaging and optical coherence tomography to identify Alzheimer's disease patients. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 144.	6.2	29
8	Kinetic analyses as a tool to examine physiological exercise responses in a large sample of patients with COPD. <i>Journal of Applied Physiology</i> , 2020, 128, 813-821.	2.5	5
9	3D-Integrated Multi-Sensor Demonstrator System for Environmental Monitoring. , 2019, , .		0
10	Box-Jenkins Transfer Function Modelling for Reliable Determination of VO2 Kinetics in Patients with COPD. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1822.	2.5	7
11	Wearable Finger Pulse Oximetry for Continuous Oxygen Saturation Measurements During Daily Home Routines of Patients With Chronic Obstructive Pulmonary Disease (COPD) Over One Week: Observational Study. <i>JMIR MHealth and UHealth</i> , 2019, 7, e12866.	3.7	70
12	Development and evaluation of land use regression models for black carbon based on bicycle and pedestrian measurements in the urban environment. <i>Environmental Modelling and Software</i> , 2018, 99, 58-69.	4.5	42
13	Oxygen saturation measurements in telemonitoring of patients with COPD: a systematic review. <i>Expert Review of Respiratory Medicine</i> , 2018, 12, 113-123.	2.5	32
14	Looking into the eye of patients with chronic obstructive pulmonary disease: an opportunity for better microvascular profiling of these complex patients. <i>Acta Ophthalmologica</i> , 2018, 96, 539-549.	1.1	14
15	Peripheral endothelial function is positively associated with maximal aerobic capacity in patients with chronic obstructive pulmonary disease. <i>Respiratory Medicine</i> , 2018, 142, 41-47.	2.9	10
16	Impact of Traffic Management on Black Carbon Emissions: a Microsimulation Study. <i>Networks and Spatial Economics</i> , 2017, 17, 269-291.	1.6	20
17	Participatory Air Quality Monitoring in Urban Environments: Reconciling Technological Challenges and Participation. <i>Understanding Complex Systems</i> , 2017, , 255-271.	0.6	3
18	Endothelial function in patients with chronic obstructive pulmonary disease: a systematic review of studies using flow mediated dilatation. <i>Expert Review of Respiratory Medicine</i> , 2017, 11, 1-11.	2.5	20

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19	Retinal image analysis in patients with COPD. , 2017, , .		0
20	A low-cost acoustic microsensor based system in package for air quality monitoring. , 2016, , .		5
21	Opportunistic mobile air pollution monitoring: A case study with city wardens in Antwerp. Atmospheric Environment, 2016, 141, 408-421.	4.1	52
22	Particle Sensor Using Solidly Mounted Resonators. IEEE Sensors Journal, 2016, 16, 2282-2289.	4.7	23
23	Air quality impact of intelligent transportation system actions used in a decision support system for adaptive traffic management. International Journal of Environment and Pollution, 2015, 57, 133.	0.2	2
24	A comparison of strategies for estimation of ultrafine particle number concentrations in urban air pollution monitoring networks. Environmental Pollution, 2015, 199, 209-218.	7.5	6
25	Mobile monitoring for mapping spatial variation in urban air quality: Development and validation of a methodology based on an extensive dataset. Atmospheric Environment, 2015, 105, 148-161.	4.1	170
26	Participatory Patterns in an International Air Quality Monitoring Initiative. PLoS ONE, 2015, 10, e0136763.	2.5	22
27	Cyclist exposure to UFP and BC on urban routes in Antwerp, Belgium. Atmospheric Environment, 2014, 92, 31-43.	4.1	79
28	Prediction of ultrafine particle number concentrations in urban environments by means of Gaussian process regression based on measurements of oxides of nitrogen. Environmental Modelling and Software, 2014, 61, 135-150.	4.5	25
29	The Aeroflex: A Bicycle for Mobile Air Quality Measurements. Sensors, 2013, 13, 221-240.	3.8	90
30	Monitoring PM10 and Ultrafine Particles in Urban Environments Using Mobile Measurements. Aerosol and Air Quality Research, 2013, 13, 509-522.	2.1	72
31	Personal exposure to Black Carbon in transport microenvironments. Atmospheric Environment, 2012, 55, 392-398.	4.1	269
32	Impact of time-activity patterns on personal exposure to black carbon. Atmospheric Environment, 2011, 45, 3594-3602.	4.1	232
33	Carbon dioxide emissions from non-energy use of fossil fuels: Summary of key issues and conclusions from the country analyses. Resources, Conservation and Recycling, 2005, 45, 195-209.	10.8	27
34	How hyperspectral imaging and artificial intelligence transform Alzheimer's diagnosis. Spectroscopy Europe, 0, , 18.	0.0	0