

Jan Theunis

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,386
citations

430874

18
h-index

414414

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 timeâ€“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 Alzheimerâ€™s diagnosis. Spectroscopy Europe, 0, , 18. | 0.0 | 0 |