# Karl Ropkins

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 54<br>papers | 2,406<br>citations | 516215<br>16<br>h-index | 500791<br>28<br>g-index |
| 55<br>all docs | 55<br>docs citations | 55<br>times ranked | 3499<br>citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------| 
| 1 | Negative-Binomial and quasi-poisson regressions between COVID-19, mobility and environment in São Paulo, Brazil. Environmental Research, 2022, 204, 112369. | 3.7 | 15 |
| 2 | Early observations on the impact of the COVID-19 lockdown on air quality trends across the UK. Science of the Total Environment, 2021, 754, 142374. | 3.9 | 87 |
| 3 | High spatial and temporal resolution vehicular emissions in south-east Brazil with traffic data from real-time GPS and travel demand models. Atmospheric Environment, 2020, 222, 117136. | 1.9 | 38 |
| 4 | Vehicle emissions measurement and modeling. , 2020, , 75-109. | | 0 |
| 5 | Real-world assessment of vehicle air pollutant emissions subset by vehicle type, fuel and EURO class: New findings from the recent UK EDAR field campaigns, and implications for emissions restricted zones. Science of the Total Environment, 2020, 734, 139416. | 3.9 | 41 |
| 6 | Generating traffic flow and speed regional model data using internet GPS vehicle records. MethodsX, 2019, 6, 2065-2075. | 0.7 | 15 |
| 7 | Editorial. Science of the Total Environment, 2018, 642, 1439-1440. | 3.9 | 1 |
| 8 | Evaluation of EDAR vehicle emissions remote sensing technology. Science of the Total Environment, 2017, 609, 1464-1474. | 3.9 | 42 |
| 9 | Implementation of the Polluter-Pays Principle (PPP) in local transport policy. Journal of Transport Geography, 2016, 55, 58-71. | 2.3 | 13 |
| 10 | Understanding how roadside concentrations of NO x are influenced by the background levels, traffic density, and meteorological conditions using Boosted Regression Trees. Atmospheric Environment, 2016, 127, 163-175. | 1.9 | 50 |
| 11 | <b>RgoogleMaps</b> and <b>loa</b>: Unleashing <i>R</i> Graphics Power on Map Tiles. Journal of Statistical Software, 2015, 63, . | 1.8 | 48 |
| 12 | Modelling Ozone-Temperature Slope under Atypically High Temperature in Arid Climatic Conditions of Makkah, Saudi Arabia. Aerosol and Air Quality Research, 2015, 15, 1281-1290. | 0.9 | 7 |
| 13 | The effect of socio-environmental mechanisms on deteriorating respiratory health across urban communities during childhood. Applied Geography, 2014, 51, 35-47. | 1.7 | 3 |
| 14 | Characterising the temporal variations of ground-level ozone and its relationship with traffic-related air pollutants in the united kingdom: a quantile regression approach. International Journal of Sustainable Development and Planning, 2014, 9, 29-41. | 0.3 | 6 |
| 15 | Quantifying temporal trends in ground level ozone concentration in the UK. Science of the Total Environment, 2013, 458-460, 217-227. | 3.9 | 33 |
| 16 | Methodology for fitting and updating predictive accident models with trend. Accident Analysis and Prevention, 2013, 56, 82-94. | 3.0 | 19 |
| 17 | Updating outdated predictive accident models. Accident Analysis and Prevention, 2013, 55, 54-66. | 3.0 | 16 |
| 18 | Analysing the spatial variability of ground-level ozone in the UK using a generalised additive model. International Journal of Environment and Pollution, 2013, 53, 176. | 0.2 | 0 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Modelling the impact of road traffic on ground level ozone concentration using a quantile regression approach. Atmospheric Environment, 2012, 60, 283-291. | 1.9 | 29 |
| 20 | openair â€" An R package for air quality data analysis. Environmental Modelling and Software, 2012, 27-28, 52-61. | 1.9 | 1,262 |
| 21 | openair - Data Analysis Tools for the Air Quality Community. R Journal, 2012, 4, 20. | 0.7 | 19 |
| 22 | Driver Variability Influences on Real World Emissions at a Road Junction using a PEMS. , 2010, , . | | 8 |
| 23 | Real-World Vehicle Exhaust Emissions Monitoring: Review and Critical Discussion. Critical Reviews in Environmental Science and Technology, 2009, 39, 79-152. | 6.6 | 86 |
| 24 | Application of non-linear time-alignment and integration methods to environmental time series. TrAC - Trends in Analytical Chemistry, 2009, 28, 373-391. | 5.8 | 3 |
| 25 | Erratum to â€œApplication of non-linear time-alignment and integration methods to environmental time seriesâ€[Trends Anal. Chem. 28 (2009) 373â€"391]. TrAC - Trends in Analytical Chemistry, 2009, 28, 923. | 5.8 | 0 |
| 26 | Robust surrogate measurement correction using generalised additive model. Chemometrics and Intelligent Laboratory Systems, 2009, 95, 164-169. | 1.8 | 0 |
| 27 | Near-Field Commercial Aircraft Contribution to Nitrogen Oxides by Engine, Aircraft Type, and Airline by Individual Plume Sampling. Environmental Science &amp; Technology, 2008, 42, 1871-1876. | 4.6 | 28 |
| 28 | Investigation of Regulated and Non-Regulated Cold Start Emissions using a EURO3 SI Car as a Probe Vehicle under Real World Urban Driving Conditions. , 2008, , . | | 9 |
| 29 | Chassis Dynamometer Evaluation of On-board Exhaust Emission Measurement System Performance in SI Car under Transient Operating Conditions. , 2008, , . | | 9 |
| 30 | Real-world comparison of probe vehicle emissions and fuel consumption using diesel and 5% biodiesel (B5) blend. Science of the Total Environment, 2007, 376, 267-284. | 3.9 | 27 |
| 31 | Change-Point Detection of Gaseous and Particulate Traffic-Related Pollutants at a Roadside Location. Environmental Science &amp; Technology, 2006, 40, 6912-6918. | 4.6 | 47 |
| 32 | Study of the Emissions Generated at Intersections for a SI Car under Real World Urban Driving Conditions. , 2006, , . | | 12 |
| 33 | Evaluation of a FTIR Emission Measurement System for Legislated Emissions Using a SI Car. , 2006, , . | | 25 |
| 34 | Using HACCP to control organic chemical hazards in food wholesale, distribution, storage and retail. Trends in Food Science and Technology, 2003, 14, 374-389. | 7.8 | 18 |
| 35 | Development of Hazard Analysis by Critical Control Points (HACCP) Procedures to Control Organic Chemical Hazards in the Agricultural Production of Raw Food Commodities. Critical Reviews in Food Science and Nutrition, 2003, 43, 287-316. | 5.4 | 10 |
| 36 | Evaluation of worldwide approaches to the use of HACCP to control food safety. Trends in Food Science and Technology, 2000, 11, 10-21. | 7.8 | 119 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 37 | HACCP in the home: a framework for improving awareness of hygiene and safe food handling with respect to chemical risk. Trends in Food Science and Technology, 2000, 11, 105-114. | 7.8 | 16 |
| 38 | Photolytic Degradation of Piperonyl Butoxide. , 1999, , 81-104. | | 0 |
| 39 | THE ISOLATION OF FLAVOUR COMPOUNDS FROM FOODS BY ENHANCED SOLVENT EXTRACTION METHODS. , 1996, , 297-300. | | 3 |
| 40 | Application of a Portable FTIR for Measuring On-road Emissions. , 0, , . | | 32 |
| 41 | Impact of Ambient Temperatures on Exhaust Thermal Characteristics during Cold Start for Real World SI Car Urban Driving Tests. , 0, , . | | 6 |
| 42 | Analysis of Driving Parameters and Emissions for Real World Urban Driving Cycles using an on-board Measurement Method for a EURO 2 SI car. , 0, , . | | 15 |
| 43 | Study of thermal characteristics, fuel consumption and emissions during cold start using an on-board measuring method for SI car real world urban driving. , 0, , . | | 11 |
| 44 | Impact of Traffic Conditions and Road Geometry on Real World Urban Emissions Using a SI Car. , 0, , . | | 19 |
| 45 | The Use of a Water/Lube Oil Heat Exchanger and Enhanced Cooling Water Heating to Increase Water and Lube Oil Heating Rates in Passenger Cars for Reduced Fuel Consumption and CO2 Emissions During Cold Start.. , 0, , . | | 39 |
| 46 | Comparisons of the Exhaust Emissions for Different Generations of SI Cars under Real World Urban Driving Conditions. , 0, , . | | 20 |
| 47 | Study of Thermal Characteristics and Emissions during Cold Start using an on-board Measuring Method for Modern SI Car Real World Urban Driving. SAE International Journal of Engines, 0, 1, 804-819. | 0.4 | 26 |
| 48 | Characterization of Regulated and Unregulated Cold Start Emissions for Different Real World Urban Driving Cycles Using a SI Passenger Car. , 0, , . | | 16 |
| 49 | Impact of Driving Cycles on Greenhouse Gas Emissions and Fuel Economy for SI Car Real World Driving. SAE International Journal of Fuels and Lubricants, 0, 1, 1320-1333. | 0.2 | 13 |
| 50 | Comparison of Real World Emissions in Urban Driving for Euro 1-4 Vehicles Using a PEMS. , 0, , . | | 18 |
| 51 | A Comparison of Tailpipe Gaseous Emissions for RDE and WLTC Using SI Passenger Cars. , 0, , . | | 19 |
| 52 | Investigating the engine behavior of a hybrid vehicle and its impact on regulated emissions during on-road testing.. , 0, , . | | 5 |
| 53 | Particle number emissions from standard and hybrid SI passenger cars. , 0, , . | | 1 |
| 54 | Measuring the Impact of Air Quality Related Interventions. Environmental Science Atmospheres, 0, , . | 0.9 | 0 |