

Ian Mudway

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

4,030

citations

34

h-index

63

g-index

64

ext. papers

4,528

ext. citations

6.1

avg, IF

4.82

L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 62 | Evaluating the toxicity of airborne particulate matter and nanoparticles by measuring oxidative stress potential--a workshop report and consensus statement. <i>Inhalation Toxicology</i> , 2008 , 20, 75-99 | 2.7 | 407 |
| 61 | Altered lung antioxidant status in patients with mild asthma. <i>Lancet, The</i> , 1999 , 354, 482-3 | 4.0 | 269 |
| 60 | Respiratory health effects of airborne particulate matter: the role of particle size, composition, and oxidative potential-the RAPTES project. <i>Environmental Health Perspectives</i> , 2012 , 120, 1183-9 | 8.4 | 238 |
| 59 | Hazard and risk assessment of a nanoparticulate cerium oxide-based diesel fuel additive - a case study. <i>Inhalation Toxicology</i> , 2008 , 20, 547-66 | 2.7 | 234 |
| 58 | Ozone and the lung: a sensitive issue. <i>Molecular Aspects of Medicine</i> , 2000 , 21, 1-48 | 16.7 | 221 |
| 57 | Different airway inflammatory responses in asthmatic and healthy humans exposed to diesel. <i>European Respiratory Journal</i> , 2004 , 23, 82-6 | 13.6 | 201 |
| 56 | Airway antioxidant and inflammatory responses to diesel exhaust exposure in healthy humans. <i>European Respiratory Journal</i> , 2006 , 27, 359-65 | 13.6 | 180 |
| 55 | An in vitro and in vivo investigation of the effects of diesel exhaust on human airway lining fluid antioxidants. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 423, 200-12 | 4.1 | 179 |
| 54 | Comparison of oxidative properties, light absorbance, total and elemental mass concentration of ambient PM2.5 collected at 20 European sites. <i>Environmental Health Perspectives</i> , 2006 , 114, 684-90 | 8.4 | 162 |
| 53 | Air Pollution and Dementia: A Systematic Review. <i>Journal of Alzheimer's Disease</i> , 2019 , 70, S145-S163 | 4.3 | 144 |
| 52 | Increased oxidative burden associated with traffic component of ambient particulate matter at roadside and urban background schools sites in London. <i>PLoS ONE</i> , 2011 , 6, e21961 | 3.7 | 86 |
| 51 | Effects of 0.2 ppm ozone on biomarkers of inflammation in bronchoalveolar lavage fluid and bronchial mucosa of healthy subjects. <i>European Respiratory Journal</i> , 1998 , 11, 1294-300 | 13.6 | 85 |
| 50 | Associations of short-term exposure to traffic-related air pollution with cardiovascular and respiratory hospital admissions in London, UK. <i>Occupational and Environmental Medicine</i> , 2016 , 73, 300-7 ^{-2.1} | 7.1 | 78 |
| 49 | Toxicity of coarse and fine particulate matter from sites with contrasting traffic profiles. <i>Inhalation Toxicology</i> , 2007 , 19, 1055-69 | 2.7 | 77 |
| 48 | Protein oxidation at the air-lung interface. <i>Amino Acids</i> , 2003 , 25, 375-96 | 3.5 | 77 |
| 47 | Particulate oxidative burden associated with firework activity. <i>Environmental Science & Technology</i> , 2010 , 44, 8295-301 | 10.3 | 72 |
| 46 | E-cigarette vapour enhances pneumococcal adherence to airway epithelial cells. <i>European Respiratory Journal</i> , 2018 , 51, | 13.6 | 66 |

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| 45 | Ascorbate prevents placental oxidative stress and enhances birth weight in hypoxic pregnancy in rats. <i>Journal of Physiology</i> , 2012 , 590, 1377-87 | 3.9 | 65 |
| 44 | Air pollution exposure affects circulating white blood cell counts in healthy subjects: the role of particle composition, oxidative potential and gaseous pollutants - the RAPTES project. <i>Inhalation Toxicology</i> , 2014 , 26, 141-65 | 2.7 | 61 |
| 43 | Differences in basal airway antioxidant concentrations are not predictive of individual responsiveness to ozone: a comparison of healthy and mild asthmatic subjects. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 962-74 | 7.8 | 57 |
| 42 | Proinflammatory doses of diesel exhaust in healthy subjects fail to elicit equivalent or augmented airway inflammation in subjects with asthma. <i>Thorax</i> , 2011 , 66, 12-9 | 7.3 | 53 |
| 41 | Exploring the time dependence of serum clara cell protein as a biomarker of pulmonary injury in humans. <i>Chest</i> , 2006 , 130, 672-5 | 5.3 | 49 |
| 40 | Modeling the interactions of ozone with pulmonary epithelial lining fluid antioxidants. <i>Toxicology and Applied Pharmacology</i> , 1998 , 148, 91-100 | 4.6 | 47 |
| 39 | Composition of PM affects acute vascular inflammatory and coagulative markers - the RAPTES project. <i>PLoS ONE</i> , 2013 , 8, e58944 | 3.7 | 42 |
| 38 | Determinants of the proinflammatory action of ambient particulate matter in immortalized murine macrophages. <i>Environmental Health Perspectives</i> , 2010 , 118, 1728-34 | 8.4 | 41 |
| 37 | Allantoin in human plasma, serum, and nasal-lining fluids as a biomarker of oxidative stress: avoiding artifacts and establishing real in vivo concentrations. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 1767-76 | 8.4 | 40 |
| 36 | Particulate matter oxidative potential from waste transfer station activity. <i>Environmental Health Perspectives</i> , 2010 , 118, 493-8 | 8.4 | 38 |
| 35 | Associations between inflammatory and immune response genes and adverse respiratory outcomes following exposure to outdoor air pollution: a HuGE systematic review. <i>American Journal of Epidemiology</i> , 2014 , 179, 432-42 | 3.8 | 37 |
| 34 | Depletion of urate in human nasal lavage following in vitro ozone exposure. <i>International Journal of Biochemistry and Cell Biology</i> , 1995 , 27, 1153-9 | 5.6 | 37 |
| 33 | Acute nasal pro-inflammatory response to air pollution depends on characteristics other than particle mass concentration or oxidative potential: the RAPTES project. <i>Occupational and Environmental Medicine</i> , 2013 , 70, 341-8 | 2.1 | 36 |
| 32 | Compromised concentrations of ascorbate in fluid lining the respiratory tract in human subjects after exposure to ozone. <i>Occupational and Environmental Medicine</i> , 1999 , 56, 473-81 | 2.1 | 36 |
| 31 | Is air pollution associated with increased risk of cognitive decline? A systematic review. <i>Age and Ageing</i> , 2015 , 44, 755-60 | 3 | 34 |
| 30 | Vitamin supplementation does not protect against symptoms in ozone-responsive subjects. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 1702-12 | 7.8 | 34 |
| 29 | Investigation into the use of the CUSUM technique in identifying changes in mean air pollution levels following introduction of a traffic management scheme. <i>Atmospheric Environment</i> , 2007 , 41, 1784-1791 | 5.3 | 34 |
| 28 | Alpha tocopherol supplementation elevates plasma apolipoprotein A1 isoforms in normal healthy subjects. <i>Proteomics</i> , 2006 , 6, 1695-703 | 4.8 | 32 |

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| 27 | Air pollution, ethnicity and telomere length in east London schoolchildren: An observational study. <i>Environment International</i> , 2016 , 96, 41-47 | 12.9 | 31 |
| 26 | Differential depletion of human respiratory tract antioxidants in response to ozone challenge. <i>Free Radical Research</i> , 1996 , 25, 499-513 | 4 | 31 |
| 25 | Antioxidant defenses in lung lining fluid of broilers: impact of poor ventilation conditions. <i>Poultry Science</i> , 1998 , 77, 516-22 | 3.9 | 30 |
| 24 | Differential health effects of short-term exposure to source-specific particles in London, U.K. <i>Environment International</i> , 2016 , 97, 246-253 | 12.9 | 30 |
| 23 | Antioxidant responses to acute ozone challenge in the healthy human airway. <i>Inhalation Toxicology</i> , 2009 , 21, 933-42 | 2.7 | 28 |
| 22 | Short-term associations between particle oxidative potential and daily mortality and hospital admissions in London. <i>International Journal of Hygiene and Environmental Health</i> , 2016 , 219, 566-72 | 6.9 | 27 |
| 21 | Effects of Air Pollution and the Introduction of the London Low Emission Zone on the Prevalence of Respiratory and Allergic Symptoms in Schoolchildren in East London: A Sequential Cross-Sectional Study. <i>PLoS ONE</i> , 2015 , 10, e0109121 | 3.7 | 26 |
| 20 | Exposure to welding fumes and lower airway infection with <i>Streptococcus pneumoniae</i> . <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 527-534.e7 | 11.5 | 25 |
| 19 | Carbon in airway macrophages from children with asthma. <i>Thorax</i> , 2014 , 69, 654-9 | 7.3 | 23 |
| 18 | Brake dust exposure exacerbates inflammation and transiently compromises phagocytosis in macrophages. <i>Metallomics</i> , 2020 , 12, 371-386 | 4.5 | 22 |
| 17 | Ozone, airways and allergic airways disease. <i>Clinical and Experimental Allergy</i> , 1995 , 25, 1150-8 | 4.1 | 22 |
| 16 | Components of ambient air pollution affect thrombin generation in healthy humans: the RAPTES project. <i>Occupational and Environmental Medicine</i> , 2013 , 70, 332-40 | 2.1 | 20 |
| 15 | Vitamin D Counteracts an IL-23-Dependent IL-17A/IFN- γ Response Driven by Urban Particulate Matter. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017 , 57, 355-366 | 5.7 | 18 |
| 14 | Urban particulate matter stimulation of human dendritic cells enhances priming of naive CD8 T lymphocytes. <i>Immunology</i> , 2018 , 153, 502-512 | 7.8 | 18 |
| 13 | Inter- and intra-individual vitamin E uptake in healthy subjects is highly repeatable across a wide supplementation dose range. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1031, 22-39 | 6.5 | 17 |
| 12 | New Directions: The future of European urban air quality monitoring. <i>Atmospheric Environment</i> , 2014 , 87, 258-260 | 5.3 | 15 |
| 11 | Ozone exposure enhances mast-cell inflammation in asthmatic airways despite inhaled corticosteroid therapy. <i>Inhalation Toxicology</i> , 2010 , 22, 133-9 | 2.7 | 15 |
| 10 | In Vitro Multiparameter Assay Development Strategy toward Differentiating Macrophage Responses to Inhaled Medicines. <i>Molecular Pharmaceutics</i> , 2015 , 12, 2675-87 | 5.6 | 13 |

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| 9 | Augmentation of respiratory tract lining fluid ascorbate concentrations through supplementation with vitamin C. <i>Inhalation Toxicology</i> , 2009 , 21, 250-8 | 2.7 | 12 |
| 8 | Peripheral blood neutrophilia as a biomarker of ozone-induced pulmonary inflammation. <i>PLoS ONE</i> , 2013 , 8, e81816 | 3.7 | 10 |
| 7 | Differences in the coronal proteome acquired by particles depositing in the lungs of asthmatic versus healthy humans. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 2517-2521 | 6 | 9 |
| 6 | Development of new in vitro models of lung protease activity for investigating stability of inhaled biological therapies and drug delivery systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 146, 64-72 | 5.7 | 9 |
| 5 | The impact of the congestion charging scheme on air quality in London. Part 2. Analysis of the oxidative potential of particulate matter. <i>Research Report (health Effects Institute)</i> , 2011 , 73-144 | 0.9 | 9 |
| 4 | Early suppression of NFkappaB and IL-8 in bronchial epithelium after ozone exposure in healthy human subjects. <i>Inhalation Toxicology</i> , 2009 , 21, 913-9 | 2.7 | 7 |
| 3 | Particle-Mediated Extracellular Oxidative Stress in the Lung 2006 , 89-117 | | 3 |
| 2 | Sensitivity to ozone: could it be related to an individual[s complement of antioxidants in lung epithelium lining fluid?. <i>Redox Report</i> , 1997 , 3, 199-206 | 5.9 | 2 |
| 1 | The Solution to Pollution: Is it Technological? [Opinion]. <i>IEEE Technology and Society Magazine</i> , 2020 , 39, 30-99 | 0.8 | 1 |