# Sophie Lanone

List of Publications by Year
in descending order



| 83 | 5,254 | 109321 | 91884 |
|---|---|---|---|
| papers | citations | 35 h-index | 69 g-index |

| 92 | 92 | 92 | 7918 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Interleukin-13 Induces Tissue Fibrosis by Selectively Stimulating and Activating Transforming Growth Factor Î²1. Journal of Experimental Medicine, 2001, 194, 809-822. | 8.5 | 845 |
| 2 | Comparative toxicity of 24 manufactured nanoparticles in human alveolar epithelial and macrophage cell lines. Particle and Fibre Toxicology, 2009, 6, 14. | 6.2 | 392 |
| 3 | Biomedical Applications and Potential Health Risks of Nanomaterials: Molecular Mechanisms. Current Molecular Medicine, 2006, 6, 651-663. | 1.3 | 375 |
| 4 | Overlapping and enzyme-specific contributions of matrix metalloproteinases-9 and -12 in IL-13â€“induced inflammation and remodeling. Journal of Clinical Investigation, 2002, 110, 463-474. | 8.2 | 243 |
| 5 | Bilirubin decreases NOS2 expression via inhibition of NAD(P)H oxidase: implications for protection against endotoxic shock in rats. FASEB Journal, 2005, 19, 1890-1892. | 0.5 | 230 |
| 6 | Mitochondrial Respiratory Chain and NAD(P)H Oxidase Are Targets for theAntiproliferative Effect of Carbon Monoxide in Human Airway SmoothMuscle. Journal of Biological Chemistry, 2005, 280, 25350-25360. | 3.4 | 220 |
| 7 | Determinants of carbon nanotube toxicity. Advanced Drug Delivery Reviews, 2013, 65, 2063-2069. | 13.7 | 174 |
| 8 | Cardiac contractile impairment associated with increased phosphorylation of troponin I in endotoxemic rats. FASEB Journal, 2001, 15, 294-296. | 0.5 | 168 |
| 9 | Endogenous peroxynitrite mediates mitochondrial dysfunction in rat diaphragm during endotoxemia. FASEB Journal, 1999, 13, 1637-1646. | 0.5 | 167 |
| 10 | Induction of Heme Oxygenase-1 Inhibits NAD(P)H Oxidase Activity by Down-regulating Cytochrome b558 Expression via the Reduction of Heme Availability. Journal of Biological Chemistry, 2004, 279, 28681-28688. | 3.4 | 164 |
| 11 | Overlapping and enzyme-specific contributions of matrix metalloproteinases-9 and -12 in IL-13â€“induced inflammation and remodeling. Journal of Clinical Investigation, 2002, 110, 463-474. | 8.2 | 145 |
| 12 | Adverse Effects of Industrial Multiwalled Carbon Nanotubes on Human Pulmonary Cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2008, 72, 60-73. | 2.3 | 129 |
| 13 | Induction of diaphragmatic nitric oxide synthase after endotoxin administration in rats: role on diaphragmatic contractile dysfunction.. Journal of Clinical Investigation, 1996, 98, 1550-1559. | 8.2 | 122 |
| 14 | Muscular Contractile Failure in Septic Patients. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 2308-2315. | 5.6 | 103 |
| 15 | Biological Effects of Particles from the Paris Subway System. Chemical Research in Toxicology, 2007, 20, 1426-1433. | 3.3 | 87 |
| 16 | Diesel exhaust particles induce matrix metalloprotease-1 in human lung epithelial cells via a NADP(H) oxidase/NOX4 redox-dependent mechanism. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L170-L181. | 2.9 | 86 |
| 17 | Microglia Determine Brain Region-Specific Neurotoxic Responses to Chemically Functionalized Carbon Nanotubes. ACS Nano, 2015, 9, 7815-7830. | 14.6 | 86 |
| 18 | Involvement of Ca2+/calmodulin-dependent protein kinase II in endothelial NO production and endothelium-dependent relaxation. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H2311-H2319. | 3.2 | 84 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Role of metal oxide nanoparticles in histopathological changes observed in the lung of welders. Particle and Fibre Toxicology, 2014, 11, 23. | 6.2 | 79 |
| 20 | Coating carbon nanotubes with a polystyrene-based polymer protects against pulmonary toxicity. Particle and Fibre Toxicology, 2011, 8, 3. | 6.2 | 74 |
| 21 | Critical role of surface chemical modifications induced by length shortening on multi-walled carbon nanotubes-induced toxicity. Particle and Fibre Toxicology, 2012, 9, 46. | 6.2 | 73 |
| 22 | Protective Role of Heme Oxygenases against Endotoxin-induced Diaphragmatic Dysfunction in Rats. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 753-761. | 5.6 | 65 |
| 23 | Carbon Nanotubes in Macrophages: Imaging and Chemical Analysis by X-ray Fluorescence Microscopy. Nano Letters, 2008, 8, 2659-2663. | 9.1 | 61 |
| 24 | Diaphragmatic fatigue during sepsis and septic shock. Intensive Care Medicine, 2005, 31, 1611-1617. | 8.2 | 57 |
| 25 | Autophagy as a Possible Underlying Mechanism of Nanomaterial Toxicity. Nanomaterials, 2014, 4, 548-582. | 4.1 | 54 |
| 26 | Inducible nitric oxide synthase (NOS2) expressed in septic patients is nitrated on selected tyrosine residues: implications for enzymic activity. Biochemical Journal, 2002, 366, 399-404. | 3.7 | 52 |
| 27 | Overlapping and enzyme-specific contributions of matrix metalloproteinases-9 and -12 in IL-13â€“induced inflammation and remodeling. Journal of Clinical Investigation, 2002, 110, 463-474. | 8.2 | 51 |
| 28 | Respiratory toxicities of nanomaterials â€” A focus on carbon nanotubes. Advanced Drug Delivery Reviews, 2012, 64, 1694-1699. | 13.7 | 49 |
| 29 | Carbon nanotubes, but not spherical nanoparticles, block autophagy by a shape-related targeting of lysosomes in murine macrophages. Autophagy, 2018, 14, 1323-1334. | 9.1 | 48 |
| 30 | Activation of Cardiac Endothelium as a Compensatory Component in Endotoxin-Induced Cardiomyopathy. Circulation, 2001, 104, 3137-3144. | 1.6 | 45 |
| 31 | Peroxynitrite-Mediated Mitochondrial Dysfunction. NeuroSignals, 2001, 10, 66-80. | 0.9 | 41 |
| 32 | Heme Oxygenase-1 Prevents Airway Mucus Hypersecretion Induced by Cigarette Smoke in Rodents and Humans. American Journal of Pathology, 2008, 173, 981-992. | 3.8 | 40 |
| 33 | Pulmonary exposure to metallic nanomaterials during pregnancy irreversibly impairs lung development of the offspring. Nanotoxicology, 2017, 11, 484-495. | 3.0 | 40 |
| 34 | A comparative transmission electron microscopy study of titanium dioxide and carbon black nanoparticles uptake in human lung epithelial and fibroblast cell lines. Toxicology in Vitro, 2012, 26, 57-66. | 2.4 | 38 |
| 35 | Interaction of matrix metalloproteinases with pulmonary pollutants: Table 1â€“. European Respiratory Journal, 2012, 39, 1021-1032. | 6.7 | 38 |
| 36 | Potential uses of carbon nanotubes in the medical field: how worried should patients be?. Nanomedicine, 2007, 2, 407-410. | 3.3 | 34 |

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|---|---|---|---|
| 37 | The role of Kupffer cells in the hepatic response to silver nanoparticles. Nanotoxicology, 2014, 8, 149-154. | 3.0 | 34 |
| 38 | Exposure to welding fumes and lower airway infection with Streptococcus pneumoniae. Journal of Allergy and Clinical Immunology, 2016, 137, 527-534.e7. | 2.9 | 33 |
| 39 | Titanium Dioxide Nanoparticles Induce Matrix Metalloprotease 1 in Human Pulmonary Fibroblasts Partly via an Interleukin-1Î²â€“Dependent Mechanism. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 354-363. | 2.9 | 31 |
| 40 | Intracellular fate of carbon nanotubes inside murine macrophages: pH-dependent detachment of iron catalyst nanoparticles. Particle and Fibre Toxicology, 2013, 10, 24. | 6.2 | 29 |
| 41 | Respiratory effects of manufactured nanoparticles. Revue Des Maladies Respiratoires, 2011, 28, e66-e75. | 1.7 | 22 |
| 42 | Sepsis is associated with reciprocal expressional modifications of constitutive nitric oxide synthase (NOS) in human skeletal muscle: Down-regulation of NOS1 and up-regulation of NOS3. Critical Care Medicine, 2001, 29, 1720-1725. | 0.9 | 21 |
| 43 | Exposure to metal oxide nanoparticles administered at occupationally relevant doses induces pulmonary effects in mice. Nanotoxicology, 2016, 10, 1535-1544. | 3.0 | 21 |
| 44 | SERENADE: safer and ecodesign research and education applied to nanomaterial development, the new generation of materials safer by design. Environmental Science: Nano, 2017, 4, 526-538. | 4.3 | 21 |
| 45 | Early origins of lung disease: towards an interdisciplinary approach. European Respiratory Review, 2020, 29, 200191. | 7.1 | 21 |
| 46 | Role of Nitric Oxide on Diaphragmatic Contractile Failure in Escherichia coli Endotoxemic Rats. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 119, 167-175. | 1.8 | 19 |
| 47 | Activation of the ubiquitin proteolytic pathway in human septic heart and diaphragm. Cardiovascular Pathology, 2010, 19, 158-164. | 1.6 | 18 |
| 48 | Role of nitric oxide synthases in elastase-induced emphysema. Laboratory Investigation, 2011, 91, 353-362. | 3.7 | 17 |
| 49 | Multi-scale X-ray computed tomography to detect and localize metal-based nanomaterials in lung tissues of in vivo exposed mice. Scientific Reports, 2018, 8, 4408. | 3.3 | 17 |
| 50 | Pulmonary Toxicity of Silica Linked to Its Micro- or Nanometric Particle Size and Crystal Structure: A Review. Nanomaterials, 2022, 12, 2392. | 4.1 | 16 |
| 51 | Systemic arteriovenous fistula leads to pulmonary artery remodeling and abnormal vasoreactivity in the fetal lamb. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 285, L701-L709. | 2.9 | 15 |
| 52 | Intratracheally administered titanium dioxide or carbon black nanoparticles do not aggravate elastase-induced pulmonary emphysema in rats. BMC Pulmonary Medicine, 2012, 12, 38. | 2.0 | 15 |
| 53 | Targeting p16<sup>INK4a</sup> Promotes Lipofibroblasts and Alveolar Regeneration after Early-Life Injury. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1088-1104. | 5.6 | 15 |
| 54 | Titanium and gold nanoparticles in asthma: the bad and the ugly. European Respiratory Journal, 2011, 37, 225-227. | 6.7 | 11 |

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| 55 | Beclin1 circulating levels and accelerated aging markers in COPD. Cell Death and Disease, 2018, 9, 156. | 6.3 | 11 |
| 56 | Early signs of multi-walled carbon nanotbues degradation in macrophages, via an intracellular pH-dependent biological mechanism; importance of length and functionalization. Particle and Fibre Toxicology, 2016, 13, 61. | 6.2 | 10 |
| 57 | Anesthetic concentrations of riluzole inhibit neuronal nitric oxide synthase activity, but not expression, in the rat hippocampus. Brain Research, 2000, 881, 237-240. | 2.2 | 9 |
| 58 | Macrophage autophagy protects mice from cerium oxide nanoparticle-induced lung fibrosis. Particle and Fibre Toxicology, 2021, 18, 6. | 6.2 | 7 |
| 59 | Anti-inflammatory effect of gold nanoparticles supported on metal oxides. Scientific Reports, 2021, 11, 23129. | 3.3 | 7 |
| 60 | The role of p53 in lung macrophages following exposure to a panel of manufactured nanomaterials. Archives of Toxicology, 2015, 89, 1543-1556. | 4.2 | 6 |
| 61 | Substantial modification of the gene expression profile following exposure of macrophages to welding-related nanoparticles. Scientific Reports, 2018, 8, 8554. | 3.3 | 6 |
| 62 | Overexpression ofSpock2in mice leads to altered lung alveolar development and worsens lesions induced by hyperoxia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L71-L81. | 2.9 | 6 |
| 63 | Les sources de nanoparticules. Revue Francaise D'allergologie, 2010, 50, 211-213. | 0.2 | 5 |
| 64 | POLLURISK: AN INNOVATIVE EXPERIMENTAL PLATFORM TO INVESTIGATE HEALTH IMPACTS OF AIR QUALITY. WIT Transactions on Ecology and the Environment, 2018, , . | 0.0 | 5 |
| 65 | Chronic exposure to benzo(a)pyreneâ€coupled nanoparticles worsens inflammation in a miteâ€induced asthma mouse model. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1562-1565. | 5.7 | 4 |
| 66 | Design and Characterization of an Inhalation System of Iron and Manganese Oxide Nanoparticles for Rodent Exposure. Aerosol Science and Technology, 2015, 49, 580-588. | 3.1 | 3 |
| 67 | NanoparticulesÂ: une prÃ©vention est-elle possibleÂ?. Revue Francaise D'allergologie, 2010, 50, 214-216. | 0.2 | 2 |
| 68 | Beclin-1 increases with obstructive sleep apnea severity. Sleep Medicine, 2021, 81, 474-476. | 1.6 | 1 |
| 69 | p16ink4a deletion switches emphysema to fibrosis in mouse. , 2018, , . | | 1 |
| 70 | Diaphragmatic fatigue during sepsis and septic shock. , 2009, , 395-401. | | 0 |
| 71 | Coating With A Polystyren Polymer Protects Against Respiratory Toxicity Of Carbon Nanotubes In Vivo In Mice. , 2010, , . | | 0 |
| 72 | No Modification Of Elastase-induced Lung Emphysema In Rats By Carbon Black Or Titanium Dioxyde Nanoparticles. , 2010, , . | | 0 |

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|---|---|---|---|
| 73 | Effects Of Titanium Dioxide Nanoparticles On Matrix Remodeling Markers In Human Pulmonary Fibroblasts. , 2011, , . | | 0 |
| 74 | Pulmonary Lesions Among Welders Exposed To Nanoparticles From Welding Fumes. , 2011, , . | | 0 |
| 75 | Deliberating responsibility: a collective contribution by the Câ€™Nano IdF Nanoscience & Society Office. Foundations of Chemistry, 2015, 17, 225-245. | 1.1 | 0 |
| 76 | Lung retention of nonfibrous mineral particles in subjects free of occupational exposure. , 2015, , . | | 0 |
| 77 | In Vivo Toxicity of Carbon Nanotubes. , 2016, , 1567-1573. | | 0 |
| 78 | P16 in bronchopulmonary dysplasia: Early determinant of respiratory disease?. , 2017, , . | | 0 |
| 79 | Beclin1 circulating levels and accelerated ageing markers in COPD. , 2017, , . | | 0 |
| 80 | Increased proliferation of type 2 alveolar epithelial cells in a pneumonectomy model mice with a deletion of p16ink4a gene.. , 2018, , . | | 0 |
| 81 | Atmospheric simulation chamber: a versatile tool to get a comprehensive understanding of Air Quality impacts on health in preclinical models. , 2018, , . | | 0 |
| 82 | Diaphragmatic fatigue during sepsis and septic shock. , 2006, , 323-329. | | 0 |
| 83 | Carbon Black Nanoparticles Selectively Alter Follicle-Stimulating Hormone Expression in vitro and in vivo in Female Mice. Frontiers in Neuroscience, 2021, 15, 780698. | 2.8 | 0 |