Sophie Lanone

List of Publications by Year in Descending Order

69 papers	4,394 citations	32 h-index	66 g-index
90 ext. papers	4,787 ext. citations	6.9 avg, IF	4.89 L-index

#	Paper	IF	Citations
69	Anti-inflammatory effect of gold nanoparticles supported on metal oxides. *Scientific Reports*, **2021**, 11, 23129	4.9	2
68	Beclin-1 increases with obstructive sleep apnea severity. *Sleep Medicine*, **2021**, 81, 474-476	4.6	0
67	Chronic exposure to benzo(a)pyrene-coupled nanoparticles worsens inflammation in a mite-induced asthma mouse model. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 1562-1565	9.3	3
66	Macrophage autophagy protects mice from cerium oxide nanoparticle-induced lung fibrosis. *Particle and Fibre Toxicology*, **2021**, 18, 6	8.4	3
65	Carbon Black Nanoparticles Selectively Alter Follicle-Stimulating Hormone Expression and in Female Mice.. *Frontiers in Neuroscience*, **2021**, 15, 780698	5.1	
64	Overexpression of in 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	5.8	3
63	Targeting p16 Promotes Lipofibroblasts and Alveolar Regeneration after Early-Life Injury. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 202, 1088-1104	10.2	3
62	Early origins of lung disease: towards an interdisciplinary approach. *European Respiratory Review*, **2020**, 29,	9.8	3
61	Beclin1 circulating levels and accelerated aging markers in COPD. *Cell Death and Disease*, **2018**, 9, 156	9.8	5
60	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	4.9	11
59	Substantial modification of the gene expression profile following exposure of macrophages to welding-related nanoparticles. *Scientific Reports*, **2018**, 8, 8554	4.9	4
58	Carbon nanotubes, but not spherical nanoparticles, block autophagy by a shape-related targeting of lysosomes in murine macrophages. *Autophagy*, **2018**, 14, 1323-1334	10.2	33
57	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	7.1	19
56	Pulmonary exposure to metallic nanomaterials during pregnancy irreversibly impairs lung development of the offspring. *Nanotoxicology*, **2017**, 11, 484-495	5.3	29
55	Exposure to welding fumes and lower airway infection with Streptococcus pneumoniae. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 527-534.e7	11.5	25
54	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	8.4	8
53	In Vivo Toxicity of Carbon Nanotubes **2016**, 1567-1573		

52	Exposure to metal oxide nanoparticles administered at occupationally relevant doses induces pulmonary effects in mice. *Nanotoxicology*, **2016**, 10, 1535-1544	5.3	14
51	The role of p53 in lung macrophages following exposure to a panel of manufactured nanomaterials. *Archives of Toxicology*, **2015**, 89, 1543-56	5.8	6
50	Microglia Determine Brain Region-Specific Neurotoxic Responses to Chemically Functionalized Carbon Nanotubes. *ACS Nano*, **2015**, 9, 7815-30	16.7	74
49	Deliberating responsibility: a collective contribution by the CNano IdF Nanoscience & Society Office. *Foundations of Chemistry*, **2015**, 17, 225-245	0.7	
48	Design and Characterization of an Inhalation System of Iron and Manganese Oxide Nanoparticles for Rodent Exposure. *Aerosol Science and Technology*, **2015**, 49, 580-588	3.4	2
47	The role of Kupffer cells in the hepatic response to silver nanoparticles. *Nanotoxicology*, **2014**, 8 Suppl 1, 149-54	5.3	30
46	Role of metal oxide nanoparticles in histopathological changes observed in the lung of welders. *Particle and Fibre Toxicology*, **2014**, 11, 23	8.4	61
45	Autophagy as a Possible Underlying Mechanism of Nanomaterial Toxicity. *Nanomaterials*, **2014**, 4, 548-582	5.4	42
44	Intracellular fate of carbon nanotubes inside murine macrophages: pH-dependent detachment of iron catalyst nanoparticles. *Particle and Fibre Toxicology*, **2013**, 10, 24	8.4	26
43	Respiratory Toxicity of Carbon Nanotubes **2013**, 231-244		
42	Determinants of carbon nanotube toxicity. *Advanced Drug Delivery Reviews*, **2013**, 65, 2063-9	18.5	153
41	Titanium dioxide nanoparticles induce matrix metalloprotease 1 in human pulmonary fibroblasts partly via an interleukin-1β dependent mechanism. *American Journal of Respiratory Cell and Molecular Biology*, **2013**, 48, 354-63	5.7	25
40	Respiratory toxicities of nanomaterials -- a focus on carbon nanotubes. *Advanced Drug Delivery Reviews*, **2012**, 64, 1694-9	18.5	42
39	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, 57-68	3.6	34
38	Interaction of matrix metalloproteinases with pulmonary pollutants. *European Respiratory Journal*, **2012**, 39, 1021-32	13.6	26
37	Critical role of surface chemical modifications induced by length shortening on multi-walled carbon nanotubes-induced toxicity. *Particle and Fibre Toxicology*, **2012**, 9, 46	8.4	66
36	Intratracheally administered titanium dioxide or carbon black nanoparticles do not aggravate elastase-induced pulmonary emphysema in rats. *BMC Pulmonary Medicine*, **2012**, 12, 38	3.5	13
35	Respiratory effects of manufactured nanoparticles. *Revue Des Maladies Respiratoires*, **2011**, 28, e66-75	0	17

34	Role of nitric oxide synthases in elastase-induced emphysema. *Laboratory Investigation*, **2011**, 91, 353-62	5.9	15
33	Coating carbon nanotubes with a polystyrene-based polymer protects against pulmonary toxicity. *Particle and Fibre Toxicology*, **2011**, 8, 3	8.4	64
32	Nanoparticules : une prévention est-elle possible ?. *Revue Francaise Dallergologie*, **2010**, 50, 214-216	0.2	1
31	Les sources de nanoparticules. *Revue Francaise Dallergologie*, **2010**, 50, 211-213	0.2	4
30	Activation of the ubiquitin proteolytic pathway in human septic heart and diaphragm. *Cardiovascular Pathology*, **2010**, 19, 158-64	3.8	15
29	Comparative toxicity of 24 manufactured nanoparticles in human alveolar epithelial and macrophage cell lines. *Particle and Fibre Toxicology*, **2009**, 6, 14	8.4	343
28	Diaphragmatic fatigue during sepsis and septic shock **2009**, 395-401		
27	Adverse effects of industrial multiwalled carbon nanotubes on human pulmonary cells. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2009**, 72, 60-73	3.2	116
26	Heme oxygenase-1 prevents airway mucus hypersecretion induced by cigarette smoke in rodents and humans. *American Journal of Pathology*, **2008**, 173, 981-92	5.8	36
25	Carbon nanotubes in macrophages: imaging and chemical analysis by X-ray fluorescence microscopy. *Nano Letters*, **2008**, 8, 2659-63	11.5	58
24	Biological effects of particles from the paris subway system. *Chemical Research in Toxicology*, **2007**, 20, 1426-33	4	74
23	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, L170-81	5.8	72
22	Biomedical applications and potential health risks of nanomaterials: molecular mechanisms. *Current Molecular Medicine*, **2006**, 6, 651-63	2.5	315
21	Diaphragmatic fatigue during sepsis and septic shock **2006**, 323-329		
20	Diaphragmatic fatigue during sepsis and septic shock. *Intensive Care Medicine*, **2005**, 31, 1611-7	14.5	45
19	Mitochondrial respiratory chain and NAD(P)H oxidase are targets for the antiproliferative effect of carbon monoxide in human airway smooth muscle. *Journal of Biological Chemistry*, **2005**, 280, 25350-60	5.4	198
18	Bilirubin decreases nos2 expression via inhibition of NAD(P)H oxidase: implications for protection against endotoxic shock in rats. *FASEB Journal*, **2005**, 19, 1890-2	0.9	193
17	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, 28681-8	5.4	151

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16	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, H2311-9	5.2	72
15	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, L701-9	5.8	10
14	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	3.8	47
13	Overlapping and enzyme-specific contributions of matrix metalloproteinases-9 and -12 in IL-13 induced inflammation and remodeling. *Journal of Clinical Investigation*, **2002**, 110, 463-474	15.9	225
12	Overlapping and enzyme-specific contributions of matrix metalloproteinases-9 and -12 in IL-13-induced inflammation and remodeling. *Journal of Clinical Investigation*, **2002**, 110, 463-74	15.9	112
11	Peroxynitrite-mediated mitochondrial dysfunction. *NeuroSignals*, **2001**, 10, 66-80	1.9	32
10	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, 1720-5	1.4	18
9	Activation of cardiac endothelium as a compensatory component in endotoxin-induced cardiomyopathy: role of endothelin, prostaglandins, and nitric oxide. *Circulation*, **2001**, 104, 3137-44	16.7	38
8	Cardiac contractile impairment associated with increased phosphorylation of troponin I in endotoxemic rats. *FASEB Journal*, **2001**, 15, 294-6	0.9	117
7	Protective role of heme oxygenases against endotoxin-induced diaphragmatic dysfunction in rats. *American Journal of Respiratory and Critical Care Medicine*, **2001**, 163, 753-61	10.2	58
6	Interleukin-13 induces tissue fibrosis by selectively stimulating and activating transforming growth factor beta(1). *Journal of Experimental Medicine*, **2001**, 194, 809-21	16.6	737
5	Anesthetic concentrations of riluzole inhibit neuronal nitric oxide synthase activity, but not expression, in the rat hippocampus. *Brain Research*, **2000**, 881, 237-40	3.7	8
4	Muscular contractile failure in septic patients: role of the inducible nitric oxide synthase pathway. *American Journal of Respiratory and Critical Care Medicine*, **2000**, 162, 2308-15	10.2	92
3	Endogenous peroxynitrite mediates mitochondrial dysfunction in rat diaphragm during endotoxemia. *FASEB Journal*, **1999**, 13, 1637-46	0.9	152
2	Role of nitric oxide on diaphragmatic contractile failure in Escherichia coli endotoxemic rats. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **1998**, 119, 167-75	2.6	16
1	Induction of diaphragmatic nitric oxide synthase after endotoxin administration in rats: role on diaphragmatic contractile dysfunction. *Journal of Clinical Investigation*, **1996**, 98, 1550-9	15.9	112