

Sophie Lanone

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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.

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	Interleukin-13 induces tissue fibrosis by selectively stimulating and activating transforming growth factor beta(1). <i>Journal of Experimental Medicine</i> , 2001 , 194, 809-21	16.6	737
68	Comparative toxicity of 24 manufactured nanoparticles in human alveolar epithelial and macrophage cell lines. <i>Particle and Fibre Toxicology</i> , 2009 , 6, 14	8.4	343
67	Biomedical applications and potential health risks of nanomaterials: molecular mechanisms. <i>Current Molecular Medicine</i> , 2006 , 6, 651-63	2.5	315
66	Overlapping and enzyme-specific contributions of matrix metalloproteinases-9 and -12 in IL-13-induced inflammation and remodeling. <i>Journal of Clinical Investigation</i> , 2002 , 110, 463-474	15.9	225
65	Mitochondrial respiratory chain and NAD(P)H oxidase are targets for the antiproliferative effect of carbon monoxide in human airway smooth muscle. <i>Journal of Biological Chemistry</i> , 2005 , 280, 25350-60	5.4	198
64	Bilirubin decreases nos2 expression via inhibition of NAD(P)H oxidase: implications for protection against endotoxic shock in rats. <i>FASEB Journal</i> , 2005 , 19, 1890-2	0.9	193
63	Determinants of carbon nanotube toxicity. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 2063-9	18.5	153
62	Endogenous peroxynitrite mediates mitochondrial dysfunction in rat diaphragm during endotoxemia. <i>FASEB Journal</i> , 1999 , 13, 1637-46	0.9	152
61	Induction of heme oxygenase-1 inhibits NAD(P)H oxidase activity by down-regulating cytochrome b558 expression via the reduction of heme availability. <i>Journal of Biological Chemistry</i> , 2004 , 279, 28681-8	5.4	151
60	Cardiac contractile impairment associated with increased phosphorylation of troponin I in endotoxemic rats. <i>FASEB Journal</i> , 2001 , 15, 294-6	0.9	117
59	Adverse effects of industrial multiwalled carbon nanotubes on human pulmonary cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009 , 72, 60-73	3.2	116
58	Induction of diaphragmatic nitric oxide synthase after endotoxin administration in rats: role on diaphragmatic contractile dysfunction. <i>Journal of Clinical Investigation</i> , 1996 , 98, 1550-9	15.9	112
57	Overlapping and enzyme-specific contributions of matrix metalloproteinases-9 and -12 in IL-13-induced inflammation and remodeling. <i>Journal of Clinical Investigation</i> , 2002 , 110, 463-74	15.9	112
56	Muscular contractile failure in septic patients: role of the inducible nitric oxide synthase pathway. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 162, 2308-15	10.2	92
55	Microglia Determine Brain Region-Specific Neurotoxic Responses to Chemically Functionalized Carbon Nanotubes. <i>ACS Nano</i> , 2015 , 9, 7815-30	16.7	74
54	Biological effects of particles from the paris subway system. <i>Chemical Research in Toxicology</i> , 2007 , 20, 1426-33	4	74
53	Diesel exhaust particles induce matrix metalloprotease-1 in human lung epithelial cells via a NAD(P)H oxidase/NOX4 redox-dependent mechanism. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007 , 293, L170-81	5.8	72

52	Involvement of Ca ²⁺ /calmodulin-dependent protein kinase II in endothelial NO production and endothelium-dependent relaxation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H2311-9	5.2	72
51	Critical role of surface chemical modifications induced by length shortening on multi-walled carbon nanotubes-induced toxicity. <i>Particle and Fibre Toxicology</i> , 2012 , 9, 46	8.4	66
50	Coating carbon nanotubes with a polystyrene-based polymer protects against pulmonary toxicity. <i>Particle and Fibre Toxicology</i> , 2011 , 8, 3	8.4	64
49	Role of metal oxide nanoparticles in histopathological changes observed in the lung of welders. <i>Particle and Fibre Toxicology</i> , 2014 , 11, 23	8.4	61
48	Carbon nanotubes in macrophages: imaging and chemical analysis by X-ray fluorescence microscopy. <i>Nano Letters</i> , 2008 , 8, 2659-63	11.5	58
47	Protective role of heme oxygenases against endotoxin-induced diaphragmatic dysfunction in rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 163, 753-61	10.2	58
46	Inducible nitric oxide synthase (NOS2) expressed in septic patients is nitrated on selected tyrosine residues: implications for enzymic activity. <i>Biochemical Journal</i> , 2002 , 366, 399-404	3.8	47
45	Diaphragmatic fatigue during sepsis and septic shock. <i>Intensive Care Medicine</i> , 2005 , 31, 1611-7	14.5	45
44	Autophagy as a Possible Underlying Mechanism of Nanomaterial Toxicity. <i>Nanomaterials</i> , 2014 , 4, 548-584	9.4	42
43	Respiratory toxicities of nanomaterials -- a focus on carbon nanotubes. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 1694-9	18.5	42
42	Activation of cardiac endothelium as a compensatory component in endotoxin-induced cardiomyopathy: role of endothelin, prostaglandins, and nitric oxide. <i>Circulation</i> , 2001 , 104, 3137-44	16.7	38
41	Heme oxygenase-1 prevents airway mucus hypersecretion induced by cigarette smoke in rodents and humans. <i>American Journal of Pathology</i> , 2008 , 173, 981-92	5.8	36
40	A comparative transmission electron microscopy study of titanium dioxide and carbon black nanoparticles uptake in human lung epithelial and fibroblast cell lines. <i>Toxicology in Vitro</i> , 2012 , 26, 57-66	3.6	34
39	Carbon nanotubes, but not spherical nanoparticles, block autophagy by a shape-related targeting of lysosomes in murine macrophages. <i>Autophagy</i> , 2018 , 14, 1323-1334	10.2	33
38	Peroxynitrite-mediated mitochondrial dysfunction. <i>NeuroSignals</i> , 2001 , 10, 66-80	1.9	32
37	The role of Kupffer cells in the hepatic response to silver nanoparticles. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 149-54	5.3	30
36	Pulmonary exposure to metallic nanomaterials during pregnancy irreversibly impairs lung development of the offspring. <i>Nanotoxicology</i> , 2017 , 11, 484-495	5.3	29
35	Intracellular fate of carbon nanotubes inside murine macrophages: pH-dependent detachment of iron catalyst nanoparticles. <i>Particle and Fibre Toxicology</i> , 2013 , 10, 24	8.4	26

34	Interaction of matrix metalloproteinases with pulmonary pollutants. <i>European Respiratory Journal</i> , 2012 , 39, 1021-32	13.6	26
33	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
32	Titanium dioxide nanoparticles induce matrix metalloprotease 1 in human pulmonary fibroblasts partly via an interleukin-1 β -dependent mechanism. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 48, 354-63	5.7	25
31	SERENADE: safer and ecodesign research and education applied to nanomaterial development, the new generation of materials safer by design. <i>Environmental Science: Nano</i> , 2017 , 4, 526-538	7.1	19
30	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. <i>Critical Care Medicine</i> , 2001 , 29, 1720-5	1.4	18
29	Respiratory effects of manufactured nanoparticles. <i>Revue Des Maladies Respiratoires</i> , 2011 , 28, e66-75	0	17
28	Role of nitric oxide on diaphragmatic contractile failure in <i>Escherichia coli</i> endotoxemic rats. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1998 , 119, 167-75	2.6	16
27	Role of nitric oxide synthases in elastase-induced emphysema. <i>Laboratory Investigation</i> , 2011 , 91, 353-62	5.9	15
26	Activation of the ubiquitin proteolytic pathway in human septic heart and diaphragm. <i>Cardiovascular Pathology</i> , 2010 , 19, 158-64	3.8	15
25	Exposure to metal oxide nanoparticles administered at occupationally relevant doses induces pulmonary effects in mice. <i>Nanotoxicology</i> , 2016 , 10, 1535-1544	5.3	14
24	Intratracheally administered titanium dioxide or carbon black nanoparticles do not aggravate elastase-induced pulmonary emphysema in rats. <i>BMC Pulmonary Medicine</i> , 2012 , 12, 38	3.5	13
23	Multi-scale X-ray computed tomography to detect and localize metal-based nanomaterials in lung tissues of in vivo exposed mice. <i>Scientific Reports</i> , 2018 , 8, 4408	4.9	11
22	Systemic arteriovenous fistula leads to pulmonary artery remodeling and abnormal vasoreactivity in the fetal lamb. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003 , 285, L701-9	5.8	10
21	Early signs of multi-walled carbon nanotubes degradation in macrophages, via an intracellular pH-dependent biological mechanism; importance of length and functionalization. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 61	8.4	8
20	Anesthetic concentrations of riluzole inhibit neuronal nitric oxide synthase activity, but not expression, in the rat hippocampus. <i>Brain Research</i> , 2000 , 881, 237-40	3.7	8
19	The role of p53 in lung macrophages following exposure to a panel of manufactured nanomaterials. <i>Archives of Toxicology</i> , 2015 , 89, 1543-56	5.8	6
18	Beclin1 circulating levels and accelerated aging markers in COPD. <i>Cell Death and Disease</i> , 2018 , 9, 156	9.8	5
17	Substantial modification of the gene expression profile following exposure of macrophages to welding-related nanoparticles. <i>Scientific Reports</i> , 2018 , 8, 8554	4.9	4

16	Les sources de nanoparticules. <i>Revue Francaise D'allergologie</i> , 2010 , 50, 211-213	0.2	4
15	Overexpression of in mice leads to altered lung alveolar development and worsens lesions induced by hyperoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 319, L71-L81	5.8	3
14	Targeting p16 Promotes Lipofibroblasts and Alveolar Regeneration after Early-Life Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 1088-1104	10.2	3
13	Early origins of lung disease: towards an interdisciplinary approach. <i>European Respiratory Review</i> , 2020 , 29,	9.8	3
12	Chronic exposure to benzo(a)pyrene-coupled nanoparticles worsens inflammation in a mite-induced asthma mouse model. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 1562-1565	9.3	3
11	Macrophage autophagy protects mice from cerium oxide nanoparticle-induced lung fibrosis. <i>Particle and Fibre Toxicology</i> , 2021 , 18, 6	8.4	3
10	Design and Characterization of an Inhalation System of Iron and Manganese Oxide Nanoparticles for Rodent Exposure. <i>Aerosol Science and Technology</i> , 2015 , 49, 580-588	3.4	2
9	Anti-inflammatory effect of gold nanoparticles supported on metal oxides. <i>Scientific Reports</i> , 2021 , 11, 23129	4.9	2
8	Nanoparticules : une prvention est-elle possible?. <i>Revue Francaise D'allergologie</i> , 2010 , 50, 214-216	0.2	1
7	Beclin-1 increases with obstructive sleep apnea severity. <i>Sleep Medicine</i> , 2021 , 81, 474-476	4.6	0
6	Deliberating responsibility: a collective contribution by the CNRS Nano IdF Nanoscience & Society Office. <i>Foundations of Chemistry</i> , 2015 , 17, 225-245	0.7	
5	Respiratory Toxicity of Carbon Nanotubes 2013 , 231-244		
4	Diaphragmatic fatigue during sepsis and septic shock 2009 , 395-401		
3	Diaphragmatic fatigue during sepsis and septic shock 2006 , 323-329		
2	In Vivo Toxicity of Carbon Nanotubes 2016 , 1567-1573		
1	Carbon Black Nanoparticles Selectively Alter Follicle-Stimulating Hormone Expression and in Female Mice.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 780698	5.1	