

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.

63 papers	2,099 citations	27 h-index	44 g-index
65 ext. papers	2,392 ext. citations	5.1 avg, IF	4.65 L-index

#	Paper	IF	Citations
63	Activation of Proinflammatory Responses in Cells of the Airway Mucosa by Particulate Matter: Oxidant- and Non-Oxidant-Mediated Triggering Mechanisms. <i>Biomolecules</i> , 2015 , 5, 1399-440	5.9	137
62	Cytokine release from alveolar macrophages exposed to ambient particulate matter: heterogeneity in relation to size, city and season. <i>Particle and Fibre Toxicology</i> , 2005 , 2, 4	8.4	121
61	Diesel exhaust particles induce CYP1A1 and pro-inflammatory responses via differential pathways in human bronchial epithelial cells. <i>Particle and Fibre Toxicology</i> , 2010 , 7, 41	8.4	114
60	Comparison of non-crystalline silica nanoparticles in IL-1 β release from macrophages. <i>Particle and Fibre Toxicology</i> , 2012 , 9, 32	8.4	103
59	Polycyclic aromatic hydrocarbons induce both apoptotic and anti-apoptotic signals in Hepa1c1c7 cells. <i>Carcinogenesis</i> , 2004 , 25, 809-19	4.6	96
58	Differential effects of the particle core and organic extract of diesel exhaust particles. <i>Toxicology Letters</i> , 2012 , 208, 262-8	4.4	82
57	Cadmium-induced inflammatory responses in cells relevant for lung toxicity: Expression and release of cytokines in fibroblasts, epithelial cells and macrophages. <i>Toxicology Letters</i> , 2010 , 193, 252-60	4.4	79
56	Fluoride-induced apoptosis in human epithelial lung cells (A549 cells): role of different G protein-linked signal systems. <i>Human and Experimental Toxicology</i> , 2003 , 22, 111-23	3.4	66
55	Particles from wood smoke and traffic induce differential pro-inflammatory response patterns in co-cultures. <i>Toxicology and Applied Pharmacology</i> , 2008 , 232, 317-26	4.6	60
54	Potential role of polycyclic aromatic hydrocarbons as mediators of cardiovascular effects from combustion particles. <i>Environmental Health</i> , 2019 , 18, 74	6	57
53	Cell toxicity and oxidative potential of engine exhaust particles: impact of using particulate filter or biodiesel fuel blend. <i>Environmental Science & Technology</i> , 2013 , 47, 5931-8	10.3	56
52	p38 and Src-ERK1/2 pathways regulate crystalline silica-induced chemokine release in pulmonary epithelial cells. <i>Toxicological Sciences</i> , 2004 , 81, 480-90	4.4	54
51	Role of mitogen activated protein kinases and protein kinase C in cadmium-induced apoptosis of primary epithelial lung cells. <i>Toxicology</i> , 2005 , 211, 253-64	4.4	54
50	Differential proinflammatory responses induced by diesel exhaust particles with contrasting PAH and metal content. <i>Environmental Toxicology</i> , 2015 , 30, 188-96	4.2	51
49	Role of cell signaling in B[a]P-induced apoptosis: characterization of unspecific effects of cell signaling inhibitors and apoptotic effects of B[a]P metabolites. <i>Chemico-Biological Interactions</i> , 2005 , 151, 101-19	5	50
48	AhR and Arnt differentially regulate NF- κ B signaling and chemokine responses in human bronchial epithelial cells. <i>Cell Communication and Signaling</i> , 2014 , 12, 48	7.5	43
47	Expression of CYP2B1 in freshly isolated and proliferating cultures of epithelial rat lung cells. <i>Experimental Lung Research</i> , 1996 , 22, 627-49	2.3	43

46	Early life exposure to air pollution particulate matter (PM) as risk factor for attention deficit/hyperactivity disorder (ADHD): Need for novel strategies for mechanisms and causalities. <i>Toxicology and Applied Pharmacology</i> , 2018 , 354, 196-214	4.6	37
45	Lipophilic components of diesel exhaust particles induce pro-inflammatory responses in human endothelial cells through AhR dependent pathway(s). <i>Particle and Fibre Toxicology</i> , 2018 , 15, 21	8.4	36
44	The occurrence of polycyclic aromatic hydrocarbons and their derivatives and the proinflammatory potential of fractionated extracts of diesel exhaust and wood smoke particles. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 383-96	2.3	36
43	1-Nitropyrene (1-NP) induces apoptosis and apparently a non-apoptotic programmed cell death (paraptosis) in Hepa1c1c7 cells. <i>Toxicology and Applied Pharmacology</i> , 2008 , 230, 175-86	4.6	34
42	Particle-induced cytokine responses in cardiac cell cultures--the effect of particles versus soluble mediators released by particle-exposed lung cells. <i>Toxicological Sciences</i> , 2008 , 106, 233-41	4.4	33
41	Regulation of CCSP (PCB-BP/uteroglobin) expression in primary cultures of lung cells: involvement of C/EBP. <i>DNA and Cell Biology</i> , 1998 , 17, 481-92	3.6	33
40	Importance of agglomeration state and exposure conditions for uptake and pro-inflammatory responses to amorphous silica nanoparticles in bronchial epithelial cells. <i>Nanotoxicology</i> , 2012 , 6, 700-12	5.3	32
39	Silica nanoparticles induce cytokine responses in lung epithelial cells through activation of a p38/TACE/TGF- β /EGFR-pathway and NF- κ B signalling. <i>Toxicology and Applied Pharmacology</i> , 2014 , 279, 76-86	4.6	31
38	Mechanisms of silica-induced IL-8 release from A549 cells: initial kinase-activation does not require EGFR activation or particle uptake. <i>Toxicology</i> , 2006 , 227, 105-16	4.4	30
37	Potential role of polycyclic aromatic hydrocarbons in air pollution-induced non-malignant respiratory diseases. <i>Respiratory Research</i> , 2020 , 21, 299	7.3	28
36	Pro-inflammatory potential of ultrafine particles in mono- and co-cultures of primary cardiac cells. <i>Toxicology</i> , 2008 , 247, 23-32	4.4	27
35	Triggering Mechanisms and Inflammatory Effects of Combustion Exhaust Particles with Implication for Carcinogenesis. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017 , 121 Suppl 3, 55-62	3.1	26
34	Species differences in testicular necrosis and DNA damage, distribution and metabolism of 1,2-dibromo-3-chloropropane (DBCP). <i>Toxicology</i> , 1989 , 58, 133-44	4.4	25
33	IL-1beta differently involved in IL-8 and FGF-2 release in crystalline silica-treated lung cell co-cultures. <i>Particle and Fibre Toxicology</i> , 2008 , 5, 16	8.4	24
32	Mechanisms in fluoride-induced interleukin-8 synthesis in human lung epithelial cells. <i>Toxicology</i> , 2001 , 167, 145-58	4.4	24
31	Per- and polyfluoroalkyl substances (PFASs) modify lung surfactant function and pro-inflammatory responses in human bronchial epithelial cells. <i>Toxicology in Vitro</i> , 2020 , 62, 104656	3.6	24
30	Mechanisms of chemokine responses by polycyclic aromatic hydrocarbons in bronchial epithelial cells: sensitization through toll-like receptor-3 priming. <i>Toxicology Letters</i> , 2013 , 219, 125-32	4.4	21
29	Mechanisms involved in ultrafine carbon black-induced release of IL-6 from primary rat epithelial lung cells. <i>Toxicology in Vitro</i> , 2010 , 24, 10-20	3.6	21

28	Mutagenic activity of halogenated propanes and propenes: effect of bromine and chlorine positioning. <i>Chemico-Biological Interactions</i> , 1994 , 93, 73-84	5	20
27	Role of P-450 activity and glutathione levels in 1,2-dibromo-3-chloropropane tissue distribution, renal necrosis and in vivo DNA damage. <i>Toxicology</i> , 1989 , 56, 273-88	4.4	19
26	Role of IL-1 beta and COX2 in silica-induced IL-6 release and loss of pneumocytes in co-cultures. <i>Toxicology in Vitro</i> , 2009 , 23, 1342-53	3.6	18
25	Persistent versus transient map kinase (ERK) activation in the proliferation of lung epithelial type 2 cells. <i>Experimental Lung Research</i> , 2001 , 27, 387-400	2.3	18
24	Silica Nanoparticle-induced Cytokine Responses in BEAS-2B and HBEC3-KT Cells: Significance of Particle Size and Signalling Pathways in Different Lung Cell Cultures. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018 , 122, 620-632	3.1	17
23	The ability of oxidative stress to mimic quartz-induced chemokine responses is lung cell line-dependent. <i>Toxicology Letters</i> , 2008 , 181, 75-80	4.4	17
22	Cytokine responses induced by diesel exhaust particles are suppressed by PAR-2 silencing and antioxidant treatment, and driven by polar and non-polar soluble constituents. <i>Toxicology Letters</i> , 2015 , 238, 72-82	4.4	16
21	Differential NF- κ B and MAPK activation underlies fluoride- and TPA-mediated CXCL8 (IL-8) induction in lung epithelial cells. <i>Journal of Inflammation Research</i> , 2014 , 7, 169-85	4.8	16
20	Signalling pathways involved in 1-nitropyrene (1-NP)-induced and 3-nitrofluoranthene (3-NF)-induced cell death in Hepa1c1c7 cells. <i>Mutagenesis</i> , 2009 , 24, 481-93	2.8	16
19	Fluoride-induced IL-8 release in human epithelial lung cells: relationship to EGF-receptor-, SRC- and MAP-kinase activation. <i>Toxicology and Applied Pharmacology</i> , 2008 , 227, 56-67	4.6	16
18	Different particle determinants induce apoptosis and cytokine release in primary alveolar macrophage cultures. <i>Particle and Fibre Toxicology</i> , 2006 , 3, 10	8.4	16
17	Pro-inflammatory effects of crystalline- and nano-sized non-crystalline silica particles in a 3D alveolar model. <i>Particle and Fibre Toxicology</i> , 2020 , 17, 13	8.4	15
16	3-Nitrofluoranthene (3-NF) but not 3-aminofluoranthene (3-AF) elicits apoptosis as well as programmed necrosis in Hepa1c1c7 cells. <i>Toxicology</i> , 2009 , 255, 140-50	4.4	14
15	Toll like receptor-3 priming alters diesel exhaust particle-induced cytokine responses in human bronchial epithelial cells. <i>Toxicology Letters</i> , 2014 , 228, 42-7	4.4	13
14	Differential chemokine induction by 1-nitropyrene and 1-aminopyrene in bronchial epithelial cells: importance of the TACE/TGF- β /EGFR-pathway. <i>Environmental Toxicology and Pharmacology</i> , 2013 , 35, 235-9	5.8	12
13	Metabolism of nilutamide in rat lung. <i>Biochemical Pharmacology</i> , 2006 , 71, 377-85	6	10
12	Species differences in kidney necrosis and DNA damage, distribution and glutathione-dependent metabolism of 1,2-dibromo-3-chloropropane (DBCP). <i>Basic and Clinical Pharmacology and Toxicology</i> , 1990 , 66, 287-93		8
11	Concentration-dependent cytokine responses of silica nanoparticles and role of ROS in human lung epithelial cells. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019 , 125, 304-314	3.1	7

10	Regulation of rat alveolar type 2 cell proliferation in vitro involves type II cAMP-dependent protein kinase. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007 , 292, L232-9	5.8	7
9	Mineral composition other than quartz is a critical determinant of the particle inflammatory potential. <i>International Journal of Hygiene and Environmental Health</i> , 2002 , 204, 327-31	6.9	7
8	Effects of cadmium acetate and sodium selenite on mucociliary functions and adenosine triphosphate content in mouse trachea organ cultures. <i>Toxicology</i> , 1986 , 39, 323-32	4.4	7
7	Prevention of 1,2-dibromo-3-chloropropane (DBCP)-induced kidney necrosis and testicular atrophy by 3-aminobenzamide. <i>Toxicology and Applied Pharmacology</i> , 1991 , 110, 118-28	4.6	6
6	Metabolism of selectively methylated and deuterated analogs of 1,2-dibromo-3-chloropropane: role in organ toxicity and mutagenicity. <i>Chemico-Biological Interactions</i> , 1989 , 69, 33-44	5	6
5	Synthetic hydrosilicate nanotubes induce low pro-inflammatory and cytotoxic responses compared to natural chrysotile in lung cell cultures. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2020 , 126, 374-388	3.1	4
4	Ion transport and cadmium-induced inhibition of ciliary activity and induction of swelling of epithelial cells in mouse trachea organ culture. <i>Toxicology</i> , 1987 , 47, 247-58	4.4	3
3	Respirable stone particles differ in their ability to induce cytotoxicity and pro-inflammatory responses in cell models of the human airways. <i>Particle and Fibre Toxicology</i> , 2021 , 18, 18	8.4	3
2	Role of scavenger receptors in silica nanoparticle-induced cytokine responses in bronchial epithelial cells. <i>Toxicology Letters</i> , 2021 , 353, 100-106	4.4	0
1	The pro-inflammatory effects of combined exposure to diesel exhaust particles and mineral particles in human bronchial epithelial cells.. <i>Particle and Fibre Toxicology</i> , 2022 , 19, 14	8.4	0