Andrij Holian

List of Publications by Citations

157 papers	5,393 citations	44 h-index	67 g-index
165 ext. papers	6,071 ext. citations	4.6 avg, IF	5.69 L-index

#	Paper	IF	Citations
157	Particle length-dependent titanium dioxide nanomaterials toxicity and bioactivity. *Particle and Fibre Toxicology*, **2009**, 6, 35	8.4	258
156	Silica binding and toxicity in alveolar macrophages. *Free Radical Biology and Medicine*, **2008**, 44, 1246-58	7.8	250
155	Control of mitochondrial respiration: a quantitative evaluation of the roles of cytochrome c and oxygen. *Archives of Biochemistry and Biophysics*, **1977**, 182, 749-62	4.1	153
154	Interlaboratory evaluation of in vitro cytotoxicity and inflammatory responses to engineered nanomaterials: the NIEHS Nano GO Consortium. *Environmental Health Perspectives*, **2013**, 121, 683-90	8.4	151
153	Expression of TNF and the necessity of TNF receptors in bleomycin-induced lung injury in mice. *Experimental Lung Research*, **1998**, 24, 721-43	2.3	149
152	Silica-induced apoptosis mediated via scavenger receptor in human alveolar macrophages. *Toxicology and Applied Pharmacology*, **1996**, 141, 84-92	4.6	140
151	Control of respiration in isolated mitochondria: quantitative evaluation of the dependence of respiratory rates on [ATP], [ADP], and [Pi]. *Archives of Biochemistry and Biophysics*, **1977**, 181, 164-71	4.1	120
150	Effect of MWCNT size, carboxylation, and purification on in vitro and in vivo toxicity, inflammation and lung pathology. *Particle and Fibre Toxicology*, **2013**, 10, 57	8.4	119
149	Asymmetric dimethylarginine induces oxidative and nitrosative stress in murine lung epithelial cells. *American Journal of Respiratory Cell and Molecular Biology*, **2007**, 36, 520-8	5.7	116
148	MARCO mediates silica uptake and toxicity in alveolar macrophages from C57BL/6 mice. *Journal of Biological Chemistry*, **2006**, 281, 34218-26	5.4	115
147	Ozone-induced increases in substance P and 8-epi-prostaglandin F2 alpha in the airways of human subjects. *American Journal of Respiratory Cell and Molecular Biology*, **1993**, 9, 568-72	5.7	103
146	NLRP3 inflammasome activation in murine alveolar macrophages and related lung pathology is associated with MWCNT nickel contamination. *Inhalation Toxicology*, **2012**, 24, 995-1008	2.7	87
145	Effect of multi-walled carbon nanotube surface modification on bioactivity in the C57BL/6 mouse model. *Nanotoxicology*, **2014**, 8, 317-27	5.3	83
144	A comparison of dispersing media for various engineered carbon nanoparticles. *Particle and Fibre Toxicology*, **2007**, 4, 6	8.4	83
143	Silica-directed mast cell activation is enhanced by scavenger receptors. *American Journal of Respiratory Cell and Molecular Biology*, **2007**, 36, 43-52	5.7	81
142	Dietary Postbiotics Reduced Cytotoxicity and IL-1 Cytokine Release Induced by Crystalline Silica in Lipopolysaccharide-Primed Macrophages. *Current Developments in Nutrition*, **2020**, 4, 1520-1520	0.4	78
141	Acrolein-induced cell death in human alveolar macrophages. *Toxicology and Applied Pharmacology*, **1997**, 145, 331-9	4.6	75

140	Critical role of MARCO in crystalline silica-induced pulmonary inflammation. *Toxicological Sciences*, **2009**, 108, 462-71	4.4	74
139	Relationship of transmembrane pH and electrical gradients with respiration and adenosine 5∀triphosphate synthesis in mitochondria. *Biochemistry*, **1980**, 19, 4213-21	3.2	74
138	4-hydroxy-2-nonenal-protein adducts and apoptosis in murine lung cells after acute ozone exposure. *Toxicology and Applied Pharmacology*, **1996**, 141, 416-24	4.6	72
137	Immunoglobulin and lymphocyte responses following silica exposure in New Zealand mixed mice. *Inhalation Toxicology*, **2004**, 16, 133-9	2.7	70
136	4-Hydroxynonenal-induced cell death in murine alveolar macrophages. *Toxicology and Applied Pharmacology*, **1996**, 139, 135-43	4.6	70
135	Silica-exposed mice generate autoantibodies to apoptotic cells. *Toxicology*, **2004**, 195, 167-76	4.4	69
134	Innate immune processes are sufficient for driving silicosis in mice. *Journal of Leukocyte Biology*, **2010**, 88, 547-57	6.5	66
133	Human alveolar macrophage cytokine release in response to in vitro and in vivo asbestos exposure. *Experimental Lung Research*, **1993**, 19, 55-65	2.3	66
132	Elevated asymmetric dimethylarginine alters lung function and induces collagen deposition in mice. *American Journal of Respiratory Cell and Molecular Biology*, **2009**, 40, 179-88	5.7	65
131	IL-33 mediates multi-walled carbon nanotube (MWCNT)-induced airway hyper-reactivity via the mobilization of innate helper cells in the lung. *Nanotoxicology*, **2013**, 7, 1070-81	5.3	64
130	Scavenger receptor class A type I/II (CD204) null mice fail to develop fibrosis following silica exposure. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2005**, 289, L186-95	5.8	64
129	The effect of size on Ag nanosphere toxicity in macrophage cell models and lung epithelial cell lines is dependent on particle dissolution. *International Journal of Molecular Sciences*, **2014**, 15, 6815-30	6.3	63
128	Nitric oxide-dependent activation of p53 suppresses bleomycin-induced apoptosis in the lung. *Journal of Experimental Medicine*, **2000**, 192, 857-69	16.6	62
127	Differential binding of inorganic particles to MARCO. *Toxicological Sciences*, **2009**, 107, 238-46	4.4	57
126	Purification and sidewall functionalization of multiwalled carbon nanotubes and resulting bioactivity in two macrophage models. *Inhalation Toxicology*, **2013**, 25, 199-210	2.7	56
125	Differential mouse pulmonary dose and time course responses to titanium dioxide nanospheres and nanobelts. *Toxicological Sciences*, **2013**, 131, 179-93	4.4	56
124	Surface Components of Airborne Particulate Matter Induce Macrophage Apoptosis through Scavenger Receptors. *Toxicology and Applied Pharmacology*, **2002**, 184, 98-106	4.6	55
123	Possible mechanism of chrysotile asbestos-stimulated superoxide anion production in guinea pig alveolar macrophages. *Toxicology and Applied Pharmacology*, **1989**, 100, 132-44	4.6	53

122	Phagolysosome acidification is required for silica and engineered nanoparticle-induced lysosome membrane permeabilization and resultant NLRP3 inflammasome activity. *Toxicology and Applied Pharmacology*, **2017**, 318, 58-68	4.6	48
121	Alterations in DNA methylation corresponding with lung inflammation and as a biomarker for disease development after MWCNT exposure. *Nanotoxicology*, **2016**, 10, 453-61	5.3	48
120	Three human cell types respond to multi-walled carbon nanotubes and titanium dioxide nanobelts with cell-specific transcriptomic and proteomic expression patterns. *Nanotoxicology*, **2014**, 8, 533-48	5.3	48
119	The IL-4Ralpha pathway in macrophages and its potential role in silica-induced pulmonary fibrosis. *Journal of Leukocyte Biology*, **2008**, 83, 630-9	6.5	48
118	Autophagy deficiency in macrophages enhances NLRP3 inflammasome activity and chronic lung disease following silica exposure. *Toxicology and Applied Pharmacology*, **2016**, 309, 101-10	4.6	47
117	Silica, apoptosis, and autoimmunity. *Journal of Immunotoxicology*, **2005**, 1, 177-87	3.1	46
116	Leukotriene B4 stimulation of phosphatidylinositol turnover in macrophages and inhibition by pertussis toxin. *FEBS Letters*, **1986**, 201, 15-9	3.8	46
115	Stimulation of oxygen consumption and superoxide anion production in pulmonary macrophages by N-formyl methionyl peptides. *FEBS Letters*, **1979**, 108, 47-50	3.8	46
114	Role of scavenger receptor a family in lung inflammation from exposure to environmental particles. *Journal of Immunotoxicology*, **2008**, 5, 151-7	3.1	45
113	Cell surface regulation of silica-induced apoptosis by the SR-A scavenger receptor in a murine lung macrophage cell line (MH-S). *Toxicology and Applied Pharmacology*, **2001**, 174, 10-6	4.6	44
112	Silica Triggers Inflammation and Ectopic Lymphoid Neogenesis in the Lungs in Parallel with Accelerated Onset of Systemic Autoimmunity and Glomerulonephritis in the Lupus-Prone NZBWF1 Mouse. *PLoS ONE*, **2015**, 10, e0125481	3.7	43
111	IL-1R signalling is critical for regulation of multi-walled carbon nanotubes-induced acute lung inflammation in C57Bl/6 mice. *Nanotoxicology*, **2014**, 8, 17-27	5.3	42
110	Nonpulmonary outcomes of asbestos exposure. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2011**, 14, 122-52	8.6	41
109	Asymmetric dimethylarginine potentiates lung inflammation in a mouse model of allergic asthma. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2010**, 299, L816-25	5.8	39
108	Extracellular HMGB1 regulates multi-walled carbon nanotube-induced inflammation in vivo. *Nanotoxicology*, **2015**, 9, 365-72	5.3	36
107	Synthesis, characterization, and bioactivity of carboxylic acid-functionalized titanium dioxide nanobelts. *Particle and Fibre Toxicology*, **2014**, 11, 43	8.4	34
106	Increase in a distinct pulmonary macrophage subset possessing an antigen-presenting cell phenotype and in vitro APC activity following silica exposure. *Toxicology and Applied Pharmacology*, **2005**, 205, 168-76	4.6	34
105	Cytosolic calcium, calcium fluxes, and regulation of alveolar macrophage superoxide anion production. *Journal of Cellular Physiology*, **1984**, 121, 458-66	7	33

104	Pulmonary toxicity of simulated lunar and Martian dusts in mice: II. Biomarkers of acute responses after intratracheal instillation. *Inhalation Toxicology*, **2002**, 14, 917-28	2.7	32
103	Antigen-presenting cell population dynamics during murine silicosis. *American Journal of Respiratory Cell and Molecular Biology*, **2007**, 37, 729-38	5.7	31
102	A comparison of asbestos and urban particulate matter in the in vitro modification of human alveolar macrophage antigen-presenting cell function. *Experimental Lung Research*, **2004**, 30, 147-62	2.3	30
101	Dietary Docosahexaenoic Acid Prevents Silica-Induced Development of Pulmonary Ectopic Germinal Centers and Glomerulonephritis in the Lupus-Prone NZBWF1 Mouse. *Frontiers in Immunology*, **2018**, 9, 2002	8.4	28
100	Prenatal environmental tobacco smoke exposure increases allergic asthma risk with methylation changes in mice. *Environmental and Molecular Mutagenesis*, **2017**, 58, 423-433	3.2	27
99	Role of lysosomes in silica-induced inflammasome activation and inflammation in absence of MARCO. *Journal of Immunology Research*, **2014**, 2014, 304180	4.5	27
98	COPD is associated with a macrophage scavenger receptor-1 gene sequence variation. *Chest*, **2010**, 137, 1098-107	5.3	27
97	Effects of rottlerin on silica-exacerbated systemic autoimmune disease in New Zealand mixed mice. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2005**, 289, L990-8	5.8	27
96	Class A type II scavenger receptor mediates silica-induced apoptosis in Chinese hamster ovary cell line. *Toxicology and Applied Pharmacology*, **2000**, 162, 100-6	4.6	27
95	Alterations in DNA methylation and airway hyperreactivity in response to in utero exposure to environmental tobacco smoke. *Inhalation Toxicology*, **2015**, 27, 724-30	2.7	26
94	Murine pulmonary inflammation model: a comparative study of anesthesia and instillation methods. *Inhalation Toxicology*, **2010**, 22, 77-83	2.7	26
93	Effect of acrolein on human alveolar macrophage NF-kappaB activity. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **1999**, 277, L550-7	5.8	26
92	IgG specifically enhances chrysotile asbestos-stimulated superoxide anion production by the alveolar macrophage. *American Journal of Respiratory Cell and Molecular Biology*, **1989**, 1, 313-8	5.7	26
91	Effects of nickel-oxide nanoparticle pre-exposure dispersion status on bioactivity in the mouse lung. *Nanotoxicology*, **2016**, 10, 151-61	5.3	25
90	Calcium regulation of phosphatidyl inositol turnover in macrophage activation by formyl peptides. *Journal of Cellular Physiology*, **1985**, 123, 39-45	7	25
89	Role of engineered metal oxide nanoparticle agglomeration in reactive oxygen species generation and cathepsin B release in NLRP3 inflammasome activation and pulmonary toxicity. *Inhalation Toxicology*, **2016**, 28, 686-697	2.7	25
88	Acute inhalation exposure to vaporized methamphetamine causes lung injury in mice. *Inhalation Toxicology*, **2008**, 20, 829-38	2.7	24
87	In vitro bioactivity of asbestos for the human alveolar macrophage and its modification by IgG. *American Journal of Respiratory Cell and Molecular Biology*, **1991**, 4, 532-7	5.7	24

86	Oxidation debris in microwave functionalized carbon nanotubes: Chemical and biological effects. *Carbon*, **2014**, 68, 678-686	10.4	23
85	Potential role of the inflammasome-derived inflammatory cytokines in pulmonary fibrosis. *Pulmonary Medicine*, **2011**, 2011, 105707	5.3	23
84	Toxicity of lunar and martian dust simulants to alveolar macrophages isolated from human volunteers. *Inhalation Toxicology*, **2008**, 20, 157-65	2.7	23
83	Air pollution particulate SRM 1648 causes oxidative stress in RAW 264.7 macrophages leading to production of prostaglandin E2, a potential Th2 mediator. *Inhalation Toxicology*, **2005**, 17, 871-7	2.7	23
82	The role of calcium in the initiation of superoxide release from alveolar macrophages. *Journal of Cellular Physiology*, **1982**, 113, 87-93	7	23
81	Involvement of the ICE family of proteases in silica-induced apoptosis in human alveolar macrophages. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **1997**, 273, L760-7	5.8	22
80	gamma-Hexachlorocyclohexane activation of alveolar macrophage phosphatidylinositol cycle, calcium mobilization of O2- production. *FEBS Letters*, **1984**, 176, 151-4	3.8	22
79	Silica-Triggered Autoimmunity in Lupus-Prone Mice Blocked by Docosahexaenoic Acid Consumption. *PLoS ONE*, **2016**, 11, e0160622	3.7	22
78	Surface components of airborne particulate matter induce macrophage apoptosis through scavenger receptors. *Toxicology and Applied Pharmacology*, **2002**, 184, 98-106	4.6	22
77	Silica suppresses Toll-like receptor ligand-induced dendritic cell activation. *FASEB Journal*, **2008**, 22, 2053-63	5.9	21
76	Imipramine blocks acute silicosis in a mouse model. *Particle and Fibre Toxicology*, **2017**, 14, 36	8.4	20
75	4-Hydroxynonenal inhibits interleukin-1 beta converting enzyme. *Journal of Interferon and Cytokine Research*, **1997**, 17, 205-10	3.5	20
74	Potential involvement of 4-hydroxynonenal in the response of human lung cells to ozone. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **1998**, 274, L8-16	5.8	20
73	Mechanisms Associated with Human Alveolar Macrophage Stimulation by Particulates. *Environmental Health Perspectives*, **1994**, 102, 69	8.4	20
72	Modification of asbestos bioactivity for the alveolar macrophage by selective protein adsorption. *American Journal of Respiratory Cell and Molecular Biology*, **1990**, 2, 441-8	5.7	20
71	Engineered carbon nanoparticles alter macrophage immune function and initiate airway hyper-responsiveness in the BALB/c mouse model. *Nanotoxicology*, **2007**, 1, 104-117	5.3	19
70	Effects of continuous high dose rhGM-CSF infusion on human monocyte activity. *American Journal of Hematology*, **1993**, 43, 279-85	7.1	19
69	Role of extracellular calcium in chrysotile asbestos stimulation of alveolar macrophages. *Toxicology and Applied Pharmacology*, **1990**, 104, 130-8	4.6	19

68	The Effects of Varying Degree of MWCNT Carboxylation on Bioactivity in Various In Vivo and In Vitro Exposure Models. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	18
67	Engineered nanomaterial-induced lysosomal membrane permeabilization and anti-cathepsin agents. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2017**, 20, 230-248	8.6	18
66	Immunologic aspects of pneumoconiosis. *Experimental Lung Research*, **1991**, 17, 661-85	2.3	18
65	Effect of Carbon Nanotube-Metal Hybrid Particle Exposure to Freshwater Algae Chlamydomonas reinhardtii. *Scientific Reports*, **2018**, 8, 15301	4.9	16
64	Perinatal exposure to environmental tobacco smoke is associated with changes in DNA methylation that precede the adult onset of lung disease in a mouse model. *Inhalation Toxicology*, **2017**, 29, 435-442	2.7	15
63	Airway responsiveness after acute exposure to urban particulate matter 1648 in a DO11.10 murine model. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2004**, 286, L337-43	5.8	15
62	Lung lining fluid modification of asbestos bioactivity for the alveolar macrophage. *Toxicology and Applied Pharmacology*, **1991**, 110, 283-94	4.6	15
61	A comparison of murine and human alveolar macrophage responses to urban particulate matter. *Inhalation Toxicology*, **2004**, 16, 69-76	2.7	14
60	Docosahexaenoic Acid Suppresses Silica-Induced Inflammasome Activation and IL-1 Cytokine Release by Interfering With Priming Signal. *Frontiers in Immunology*, **2019**, 10, 2130	8.4	13
59	Mapping of Dynamic Transcriptome Changes Associated With Silica-Triggered Autoimmune Pathogenesis in the Lupus-Prone NZBWF1 Mouse. *Frontiers in Immunology*, **2019**, 10, 632	8.4	12
58	Trees as reservoirs for amphibole fibers in Libby, Montana. *Science of the Total Environment*, **2006**, 367, 460-5	10.2	12
57	Formyl peptide stimulation of superoxide anion release from lung macrophages: sodium and potassium involvement. *Journal of Cellular Physiology*, **1982**, 113, 413-9	7	12
56	Early life exposure to environmental tobacco smoke alters immune response to asbestos via a shift in inflammatory phenotype resulting in increased disease development. *Inhalation Toxicology*, **2016**, 28, 349-56	2.7	12
55	Docosahexaenoic Acid Consumption Impedes Early Interferon- and Chemokine-Related Gene Expression While Suppressing Silica-Triggered Flaring of Murine Lupus. *Frontiers in Immunology*, **2019**, 10, 2851	8.4	12
54	Sex differences in the inflammatory immune response to multi-walled carbon nanotubes and crystalline silica. *Inhalation Toxicology*, **2019**, 31, 285-297	2.7	11
53	Length, but Not Reactive Edges, of Cup-stack MWCNT Is Responsible for Toxicity and Acute Lung Inflammation. *Toxicologic Pathology*, **2018**, 46, 62-74	2.1	11
52	Role of the serotonergic system in reduced pulmonary function after exposure to methamphetamine. *American Journal of Respiratory Cell and Molecular Biology*, **2010**, 42, 537-44	5.7	11
51	Approaching a Unified Theory for Particle-Induced Inflammation. *Current Topics in Environmental Health and Preventive Medicine*, **2016**, 51-76	0.3	10

50	Asbestos and Silica-Induced Changes in Human Alveolar Macrophage Phenotype. *Environmental Health Perspectives*, **1997**, 105, 1139	8.4	10
49	Prevention of crystalline silica-induced inflammation by the anti-malarial hydroxychloroquine. *Inhalation Toxicology*, **2019**, 31, 274-284	2.7	9
48	Multi-Walled Carbon Nanotubes Augment Allergic Airway Eosinophilic Inflammation by Promoting Cysteinyl Leukotriene Production. *Frontiers in Pharmacology*, **2018**, 9, 585	5.6	9
47	Factors influencing multinucleated giant cell formation in vitro. *Immunobiology*, **2019**, 224, 834-842	3.4	9
46	Detection of 4-hydroxy-2-nonenol adducts following lipid peroxidation from ozone exposure. *Methods in Enzymology*, **2000**, 319, 562-70	1.7	9
45	The role of sex in particle-induced inflammation and injury. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2020**, 12, e1589	9.2	9
44	Core–Shell Electrospun Fibers with an Improved Open Pore Structure for Size-Controlled Delivery of Nanoparticles. *ACS Applied Polymer Materials*, **2020**, 2, 4004-4015	4.3	8
43	Electrospun fibers loaded with ball-milled poly(n-isopropylacrylamide) microgel particles for smart delivery applications. *Journal of Applied Polymer Science*, **2020**, 137, 49786	2.9	7
42	Determination of the relative contribution of the non-dissolved fraction of ZnO NP on membrane permeability and cytotoxicity. *Inhalation Toxicology*, **2020**, 32, 86-95	2.7	7
41	Multiwalled Carbon Nanotubes of Varying Size Lead to DNA Methylation Changes That Correspond to Lung Inflammation and Injury in a Mouse Model. *Chemical Research in Toxicology*, **2019**, 32, 1545-1553	4	6
40	Nickel contamination on MWCNT is related to particle bioactivity but not toxicity in the THP-1 transformed macrophage model. *International Journal of Biomedical Nanoscience and Nanotechnology*, **2013**, 3, 107	0.2	6
39	Inhibition of macrophage activation by isoquinolinesulfonamides, phenothiazines, and a napthalenesulfonamide. *Journal of Cellular Physiology*, **1988**, 137, 45-54	7	6
38	The lipid integrity of membranes of guinea pig alveolar macrophages studied by nanosecond fluorescence decay of 1,6-diphenyl-1,3,5-hexatriene: the influence of temperature and benzyl alcohol. *Archives of Biochemistry and Biophysics*, **1982**, 214, 305-10	4.1	6
37	Silica and PM1648 Modify Human Alveolar Macrophage Antigen-Presenting Cell Activity In Vitro. *Journal of Environmental Pathology, Toxicology and Oncology*, **2001**, 20, 10	2.1	6
36	Respiratory and systemic impacts following MWCNT inhalation in B6C3F1/N mice. *Particle and Fibre Toxicology*, **2021**, 18, 16	8.4	6
35	Air Toxics Under the Big Sky: Examining the Effectiveness of Authentic Scientific Research on High School Students' Science Skills and Interest. *International Journal of Science Education*, **2016**, 38, 905-921	2.2	6
34	Lung deposition patterns of MWCNT vary with degree of carboxylation. *Nanotoxicology*, **2019**, 13, 143-159	5.3	5
33	The in vivo effects of rhIL-1 alpha therapy on human monocyte activity. *Journal of Leukocyte Biology* , **1993**, 54, 314-21	6.5	5

32	Modification of nano-silver bioactivity by adsorption on carbon nanotubes and graphene oxide. *Inhalation Toxicology*, **2018**, 30, 429-438	2.7	5
31	Lung bioactivity of vapor grown carbon nanofibers. *NanoImpact*, **2017**, 6, 1-10	5.6	4
30	Mouse pulmonary dose- and time course-responses induced by exposure to nitrogen-doped multi-walled carbon nanotubes. *Inhalation Toxicology*, **2020**, 32, 24-38	2.7	4
29	Evolution of the Air Toxics Under the Big Sky Program. *Journal of Chemical Education*, **2011**, 88, 397-401	2.4	4
28	Modified low density lipoproteins binding requires a lysine cluster region in the murine macrophage scavenger receptor class A type II. *Molecular Biology Reports*, **2010**, 37, 2847-52	2.8	4
27	Early lead exposure affects auditory temporal processing in chicks. *Journal of Environmental Medicine*, **1999**, 1, 87-93		4
26	The Big Sky Model: A Regional Collaboration for Participatory Research on Environmental Health in the Rural West **2008**, 12, 103-115		4
25	Multinucleated giant cell phenotype in response to stimulation. *Immunobiology*, **2020**, 225, 151952	3.4	4
24	Effects of titanium dioxide and zinc oxide nano-materials on lipid order in model membranes. *Biochimica Et Biophysica Acta - Biomembranes*, **2020**, 1862, 183313	3.8	4
23	Macrophage fusion caused by particle instillation. *Current Research in Toxicology*, **2020**, 1, 42-47	2.7	3
22	Patterns of asthma symptoms and perceptions of harm from seasonal atmospheric events in rural Western Montana. *International Journal of Occupational and Environmental Health*, **2006**, 12, 52-8		3
21	The in vivo effects of PIXY321 therapy on human monocyte activity. *Journal of Leukocyte Biology*, **1993**, 53, 640-50	6.5	3
20	Alterations in DNA Methylation Correlate with a Th17 Driven Immune Response in the Lung Due to Multi-Walled Carbon Nanotube Exposure. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 8787-8795	1.3	3
19	Docosahexaenoic acid impacts macrophage phenotype subsets and phagolysosomal membrane permeability with particle exposure. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2021**, 84, 152-172	3.2	3
18	Contribution of Particle-Induced Lysosomal Membrane Hyperpolarization to Lysosomal Membrane Permeabilization. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
17	Particulate matter immunomodulatory effects on autoantibody development in New Zealand mixed mice. *Journal of Immunotoxicology*, **2004**, 1, 95-102	3.1	2
16	Extracellular hydrolysis of formyl peptides and subsequent uptake of liberated amino acids by alveolar macrophages. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1986**, 886, 255-66	4.9	2
15	The role of lysosomal ion channels in lysosome dysfunction. *Inhalation Toxicology*, **2021**, 33, 41-54	2.7	2

14	Using Time-Resolved Fluorescence Anisotropy of di-4-ANEPPDHQ and F2N12S to Analyze Lipid Packing Dynamics in Model Systems. *Journal of Fluorescence*, **2019**, 29, 347-352	2.4	1
13	Regulation of Alveolar Macrophage Stimulation. *Annals of the New York Academy of Sciences*, **1987**, 494, 117-119	6.5	1
12	Biochemical properties of macrophage fractions and their relation to the mechanism of superoxide production. *FEBS Letters*, **1986**, 197, 21-6	3.8	1
11	Nanoparticle-Induced Airway Eosinophilia Is Independent of ILC2 Signaling but Associated With Sex Differences in Macrophage Phenotype Development. *Journal of Immunology*, **2021**,	5.3	1
10	The Power of the Symposium: Impacts from StudentsVPerspectives. *Rural Educator*, **2011**, 32, 22-28	1	1
9	Superoxide Anion Production Induced by Chrysotile Asbestos in the Guinea Pig Alveolar Macrophage **1989**, 223-229		1
8	Dietary Docosahexaenoic Acid as a Potential Treatment for Semi-acute and Chronic Particle-Induced Pulmonary Inflammation in Balb/c Mice. *Inflammation*, **2021**, 1	5.1	0
7	Therapeutic treatment of dietary docosahexaenoic acid for particle-induced pulmonary inflammation in Balb/c mice. *Inflammation Research*, **2021**, 70, 359-373	7.2	0
6	Conference summary: International Biomass Smoke Health Effects (IBSHE). *Inhalation Toxicology*, **2010**, 22, 91-3	2.7	
5	Transmembrane pH and Electrical Gradients: Evaluation and Possible Role in Oxidative Phosphorylation. *Advances in Chemistry Series*, **1980**, 195-210		
4	The Clean Air and Healthy Homes Program: A Model for Authentic Science Learning **2016**, 8, 13-19		
3	Hyperspectral microscopy of subcutaneously released silver nanoparticles reveals sex differences in drug distribution.. *Micron*, **2021**, 153, 103193	2.3	
2	Translocation, Biodistribution, and Fate of Nanomaterials in the Body. *Molecular and Integrative Toxicology*, **2020**, 99-125	0.5	
1	A contemporary review of electronic waste through the lens of inhalation toxicology. *Inhalation Toxicology*, **2021**, 33, 285-294	2.7	