

Raymond F Hamilton Jr

List of Publications by Year in descending order

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34
papers

1,857
citations

361413

20
h-index

377865

34
g-index

34
all docs

34
docs citations

34
times ranked

2739
citing authors

#	ARTICLE	IF	CITATIONS
1	Silica binding and toxicity in alveolar macrophages. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1246-1258.	2.9	329
2	Particle length-dependent titanium dioxide nanomaterials toxicity and bioactivity. <i>Particle and Fibre Toxicology</i> , 2009, 6, 35.	6.2	299
3	MARCO Mediates Silica Uptake and Toxicity in Alveolar Macrophages from C57BL/6 Mice. <i>Journal of Biological Chemistry</i> , 2006, 281, 34218-34226.	3.4	157
4	Effect of MWCNT size, carboxylation, and purification on in vitro and in vivo toxicity, inflammation and lung pathology. <i>Particle and Fibre Toxicology</i> , 2013, 10, 57.	6.2	135
5	NLRP3 inflammasome activation in murine alveolar macrophages and related lung pathology is associated with MWCNT nickel contamination. <i>Inhalation Toxicology</i> , 2012, 24, 995-1008.	1.6	96
6	Effect of multi-walled carbon nanotube surface modification on bioactivity in the C57BL/6 mouse model. <i>Nanotoxicology</i> , 2014, 8, 317-327.	3.0	90
7	The Effect of Size on Ag Nanosphere Toxicity in Macrophage Cell Models and Lung Epithelial Cell Lines Is Dependent on Particle Dissolution. <i>International Journal of Molecular Sciences</i> , 2014, 15, 6815-6830.	4.1	71
8	Phagolysosome acidification is required for silica and engineered nanoparticle-induced lysosome membrane permeabilization and resultant NLRP3 inflammasome activity. <i>Toxicology and Applied Pharmacology</i> , 2017, 318, 58-68.	2.8	70
9	Purification and sidewall functionalization of multiwalled carbon nanotubes and resulting bioactivity in two macrophage models. <i>Inhalation Toxicology</i> , 2013, 25, 199-210.	1.6	65
10	Autophagy deficiency in macrophages enhances NLRP3 inflammasome activity and chronic lung disease following silica exposure. <i>Toxicology and Applied Pharmacology</i> , 2016, 309, 101-110.	2.8	61
11	Three human cell types respond to multi-walled carbon nanotubes and titanium dioxide nanobelts with cell-specific transcriptomic and proteomic expression patterns. <i>Nanotoxicology</i> , 2014, 8, 533-548.	3.0	59
12	Role of Scavenger Receptor A Family in Lung Inflammation from Exposure to Environmental Particles. <i>Journal of Immunotoxicology</i> , 2008, 5, 151-157.	1.7	57
13	Toxicity of Lunar and Martian Dust Simulants to Alveolar Macrophages Isolated from Human Volunteers. <i>Inhalation Toxicology</i> , 2008, 20, 157-165.	1.6	38
14	Synthesis, characterization, and bioactivity of carboxylic acid-functionalized titanium dioxide nanobelts. <i>Particle and Fibre Toxicology</i> , 2014, 11, 43.	6.2	38
15	A COMPARISON OF ASBESTOS AND URBAN PARTICULATE MATTER IN THE IN VITRO MODIFICATION OF HUMAN ALVEOLAR MACROPHAGE ANTIGEN-PRESENTING CELL FUNCTION. <i>Experimental Lung Research</i> , 2004, 30, 147-162.	1.2	34
16	Role of Lysosomes in Silica-Induced Inflammasome Activation and Inflammation in Absence of MARCO. <i>Journal of Immunology Research</i> , 2014, 2014, 1-10.	2.2	34
17	The Association of LINE-1 Hypomethylation with Age and Centromere Positive Micronuclei in Human Lymphocytes. <i>PLoS ONE</i> , 2015, 10, e0133909.	2.5	28
18	Engineered carbon nanoparticles alter macrophage immune function and initiate airway hyper-responsiveness in the BALB/c mouse model. <i>Nanotoxicology</i> , 2007, 1, 104-117.	3.0	23

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19	Engineered nanomaterial-induced lysosomal membrane permeabilization and anti-cathepsin agents. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2017, 20, 230-248.	6.5	21
20	Effect of Carbon Nanotube-Metal Hybrid Particle Exposure to Freshwater Algae <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2018, 8, 15301.	3.3	21
21	The Effects of Varying Degree of MWCNT Carboxylation on Bioactivity in Various In Vivo and In Vitro Exposure Models. <i>International Journal of Molecular Sciences</i> , 2018, 19, 354.	4.1	20
22	Alveolar macrophages from systemic sclerosis patients: evidence for IL-4-mediated phenotype changes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 286, L1202-L1209.	2.9	17
23	Length, but Not Reactive Edges, of Cup-stack MWCNT Is Responsible for Toxicity and Acute Lung Inflammation. <i>Toxicologic Pathology</i> , 2018, 46, 62-74.	1.8	17
24	Approaching a Unified Theory for Particle-Induced Inflammation. <i>Current Topics in Environmental Health and Preventive Medicine</i> , 2016, , 51-76.	0.1	11
25	Multiwalled Carbon Nanotubes of Varying Size Lead to DNA Methylation Changes That Correspond to Lung Inflammation and Injury in a Mouse Model. <i>Chemical Research in Toxicology</i> , 2019, 32, 1545-1553.	3.3	11
26	The Missoula Valley Semivolatile and Volatile Organic Compound Study: Seasonal Average Concentrations. <i>Journal of the Air and Waste Management Association</i> , 2005, 55, 1007-1013.	1.9	10
27	Respiratory and systemic impacts following MWCNT inhalation in B6C3F1/N mice. <i>Particle and Fibre Toxicology</i> , 2021, 18, 16.	6.2	10
28	Modification of nano-silver bioactivity by adsorption on carbon nanotubes and graphene oxide. <i>Inhalation Toxicology</i> , 2018, 30, 429-438.	1.6	7
29	Lung deposition patterns of MWCNT vary with degree of carboxylation. <i>Nanotoxicology</i> , 2019, 13, 143-159.	3.0	7
30	Docosahexaenoic acid impacts macrophage phenotype subsets and phagolysosomal membrane permeability with particle exposure. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2021, 84, 152-172.	2.3	7
31	Mouse pulmonary dose- and time course-responses induced by exposure to nitrogen-doped multi-walled carbon nanotubes. <i>Inhalation Toxicology</i> , 2020, 32, 24-38.	1.6	6
32	Hyperspectral microscopy of subcutaneously released silver nanoparticles reveals sex differences in drug distribution. <i>Micron</i> , 2022, 153, 103193.	2.2	4
33	Therapeutic treatment of dietary docosahexaenoic acid for particle-induced pulmonary inflammation in Balb/c mice. <i>Inflammation Research</i> , 2021, 70, 359-373.	4.0	3
34	Dietary Docosahexaenoic Acid as a Potential Treatment for Semi-acute and Chronic Particle-Induced Pulmonary Inflammation in Balb/c Mice. <i>Inflammation</i> , 2022, 45, 677-694.	3.8	1