

Amie K Lund

List of Publications by Year in descending order

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47
papers

1,957
citations

218662

26
h-index

243610

44
g-index

48
all docs

48
docs citations

48
times ranked

2811
citing authors

#	ARTICLE	IF	CITATIONS
1	Vehicular Emissions Induce Vascular MMP-9 Expression and Activity Associated With Endothelin-1-Mediated Pathways. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 511-517.	2.4	129
2	Cardiac hypertrophy in Aryl hydrocarbon receptor null mice is correlated with elevated angiotensin II, endothelin-1, and mean arterial blood pressure. <i>Toxicology and Applied Pharmacology</i> , 2003, 193, 177-187.	2.8	125
3	Microglial priming through the lung-brain axis: the role of air pollution-induced circulating factors. <i>FASEB Journal</i> , 2016, 30, 1880-1891.	0.5	124
4	Exposure to vehicle emissions results in altered blood brain barrier permeability and expression of matrix metalloproteinases and tight junction proteins in mice. <i>Particle and Fibre Toxicology</i> , 2013, 10, 62.	6.2	112
5	Vascular and Cardiac Impairments in Rats Inhaling Ozone and Diesel Exhaust Particles. <i>Environmental Health Perspectives</i> , 2011, 119, 312-318.	6.0	97
6	Gasoline Exhaust Emissions Induce Vascular Remodeling Pathways Involved in Atherosclerosis. <i>Toxicological Sciences</i> , 2006, 95, 485-494.	3.1	96
7	Inhaled diesel emissions alter atherosclerotic plaque composition in ApoE ^{-/-} mice. <i>Toxicology and Applied Pharmacology</i> , 2010, 242, 310-317.	2.8	96
8	The Oxidized Low-Density Lipoprotein Receptor Mediates Vascular Effects of Inhaled Vehicle Emissions. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 82-91.	5.6	91
9	Tissue biodistribution of intravenously administrated titanium dioxide nanoparticles revealed blood-brain barrier clearance and brain inflammation in rat. <i>Particle and Fibre Toxicology</i> , 2015, 12, 27.	6.2	78
10	Diesel exhaust exposure enhances vasoconstriction via uncoupling of eNOS. <i>Toxicology and Applied Pharmacology</i> , 2008, 230, 346-351.	2.8	71
11	HIV Tat Induces Expression of ICAM-1 in HUVECs: Implications for miR-221/-222 in HIV-Associated Cardiomyopathy. <i>PLoS ONE</i> , 2013, 8, e60170.	2.5	69
12	Characterizing the role of endothelin-1 in the progression of cardiac hypertrophy in aryl hydrocarbon receptor (AhR) null mice. <i>Toxicology and Applied Pharmacology</i> , 2006, 212, 127-135.	2.8	62
13	Endothelin-1-Mediated Increase in Reactive Oxygen Species and NADPH Oxidase Activity in Hearts of Aryl Hydrocarbon Receptor (AhR) Null Mice. <i>Toxicological Sciences</i> , 2005, 88, 265-273.	3.1	57
14	A Comparison of Vascular Effects from Complex and Individual Air Pollutants Indicates a Role for Monoxide Gases and Volatile Hydrocarbons. <i>Environmental Health Perspectives</i> , 2010, 118, 921-927.	6.0	51
15	Brain Inflammation, Blood Brain Barrier dysfunction and Neuronal Synaptophysin Decrease after Inhalation Exposure to Titanium Dioxide Nano-aerosol in Aging Rats. <i>Scientific Reports</i> , 2017, 7, 12196.	3.3	49
16	Insulin Regulation in AhR-null Mice: Embryonic Cardiac Enlargement, Neonatal Macrosomia, and Altered Insulin Regulation and Response in Pregnant and Aging AhR-null Females. <i>Toxicological Sciences</i> , 2003, 76, 407-417.	3.1	48
17	Exposure to Crude Oil Induces Retinal Apoptosis and Impairs Visual Function in Fish. <i>Environmental Science & Technology</i> , 2020, 54, 2843-2850.	10.0	47
18	Loss of the Aryl Hydrocarbon Receptor Induces Hypoxemia, Endothelin-1, and Systemic Hypertension at Modest Altitude. <i>Hypertension</i> , 2008, 51, 803-809.	2.7	42

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19	Cardiopulmonary response to inhalation of biogenic secondary organic aerosol. <i>Inhalation Toxicology</i> , 2010, 22, 253-265.	1.6	39
20	Mechanisms linking traffic-related air pollution and atherosclerosis. <i>Current Opinion in Pulmonary Medicine</i> , 2012, 18, 155-160.	2.6	39
21	Effects of inhaled air pollution on markers of integrity, inflammation, and microbiota profiles of the intestines in Apolipoprotein E knockout mice. <i>Environmental Research</i> , 2020, 181, 108913.	7.5	35
22	Exposure to traffic-generated air pollutants mediates alterations in brain microvascular integrity in wildtype mice on a high-fat diet. <i>Environmental Research</i> , 2018, 160, 449-461.	7.5	34
23	Persistence of Mitochondrial Toxicity in Hearts of Female B6C3F1 Mice Exposed <i><I> In Utero</I></i> to 3'-Azido-3'-Deoxythymidine. <i>Cardiovascular Toxicology</i> , 2004, 4, 133-154.	2.7	33
24	Human immunodeficiency virus transgenic rats exhibit pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 301, L315-L326.	2.9	32
25	Identification of chemical components of combustion emissions that affect pro-atherosclerotic vascular responses in mice. <i>Inhalation Toxicology</i> , 2012, 24, 270-287.	1.6	32
26	Engine exhaust particulate and gas phase contributions to vascular toxicity. <i>Inhalation Toxicology</i> , 2014, 26, 353-360.	1.6	30
27	Exposure to diesel exhaust particles results in altered lung microbial profiles, associated with increased reactive oxygen species/reactive nitrogen species and inflammation, in C57Bl/6 wildtype mice on a high-fat diet. <i>Particle and Fibre Toxicology</i> , 2021, 18, 3.	6.2	29
28	The effects of α -pinene versus toluene-derived secondary organic aerosol exposure on the expression of markers associated with vascular disease. <i>Inhalation Toxicology</i> , 2013, 25, 309-324.	1.6	24
29	The role of the lectin-like oxLDL receptor (LOX-1) in traffic-generated air pollution exposure-mediated alteration of the brain microvasculature in Apolipoprotein (Apo) E knockout mice. <i>Inhalation Toxicology</i> , 2017, 29, 266-281.	1.6	24
30	The National Environmental Respiratory Center (NERC) experiment in multi-pollutant air quality health research: II. Comparison of responses to diesel and gasoline engine exhausts, hardwood smoke and simulated downwind coal emissions. <i>Inhalation Toxicology</i> , 2014, 26, 651-667.	1.6	23
31	A Small Compound Targeting Prohibitin with Potential Interest for Cognitive Deficit Rescue in Aging mice and Tau Pathology Treatment. <i>Scientific Reports</i> , 2020, 10, 1143.	3.3	21
32	Cardiopulmonary response to inhalation of secondary organic aerosol derived from gas-phase oxidation of toluene. <i>Inhalation Toxicology</i> , 2012, 24, 689-697.	1.6	20
33	Toxicological alterations induced by subacute exposure of silver nanoparticles in Wistar rats. <i>Journal of Applied Toxicology</i> , 2021, 41, 972-986.	2.8	12
34	The National Environmental Respiratory Center (NERC) experiment in multi-pollutant air quality health research: IV. Vascular effects of repeated inhalation exposure to a mixture of five inorganic gases. <i>Inhalation Toxicology</i> , 2014, 26, 691-696.	1.6	11
35	Traffic generated emissions alter the lung microbiota by promoting the expansion of Proteobacteria in C57Bl/6 mice placed on a high-fat diet. <i>Ecotoxicology and Environmental Safety</i> , 2021, 213, 112035.	6.0	11
36	Exposure to traffic-generated air pollution promotes alterations in the integrity of the brain microvasculature and inflammation in female ApoE ^{-/-} mice. <i>Toxicology Letters</i> , 2021, 339, 39-50.	0.8	10

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37	The effects of subacute inhaled multi-walled carbon nanotube exposure on signaling pathways associated with cholesterol transport and inflammatory markers in the vasculature of wild-type mice. <i>Toxicology Letters</i> , 2018, 296, 48-62.	0.8	9
38	Mixed Vehicle Emissions Induces Angiotensin II and Cerebral Microvascular Angiotensin Receptor Expression in C57Bl/6 Mice and Promotes Alterations in Integrity in a Blood-Brain Barrier Coculture Model. <i>Toxicological Sciences</i> , 2019, 170, 525-535.	3.1	9
39	Inhalation exposure to silver nanoparticles induces hepatic inflammation and oxidative stress, associated with altered renin-angiotensin system signaling, in Wistar rats. <i>Environmental Toxicology</i> , 2021, , .	4.0	9
40	Probiotics Function as Immunomodulators in the Intestine in C57Bl/6 Male Mice Exposed to Inhaled Diesel Exhaust Particles on a High-Fat Diet. <i>Cells</i> , 2022, 11, 1445.	4.1	8
41	Inhaled diesel exhaust particles result in microbiome-related systemic inflammation and altered cardiovascular disease biomarkers in C57Bl/6 male mice. <i>Particle and Fibre Toxicology</i> , 2022, 19, 10.	6.2	5
42	Exposure to Traffic-Generated Pollutants Exacerbates the Expression of Factors Associated with the Pathophysiology of Alzheimer's Disease in Aged C57Bl/6 Wild-Type Mice. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 1453-1471.	2.6	3
43	Transcriptomic responses and apoptosis in larval red drum (<i>Sciaenops ocellatus</i>) co-exposed to crude oil and ultraviolet (UV) radiation. <i>Marine Pollution Bulletin</i> , 2022, 179, 113684.	5.0	3
44	Vehicle emissions-exposure alters expression of systemic and tissue-specific components of the renin-angiotensin system and promotes outcomes associated with cardiovascular disease and obesity in wild-type C57Bl/6 male mice. <i>Toxicology Reports</i> , 2021, 8, 846-862.	3.3	2
45	Systemic health effects of carbon nanotubes following inhalation. , 2012, , 210-223.		1
46	Traffic-generated air pollution " Exposure mediated expression of factors associated with demyelination in a female apolipoprotein E ^{-/-} mouse model. <i>Neurotoxicology and Teratology</i> , 2022, 90, 107071.	2.4	1
47	An apparatus for automatically training and collecting individualized behavioral data with socially housed rodents. <i>Journal of Neuroscience Methods</i> , 2022, 365, 109387.	2.5	0