

Daniel J Conklin

List of Publications by Year in descending order

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83

papers

4,121

citations

101543

36

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123424

61

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88

all docs

88

docs citations

88

times ranked

5780

citing authors

#	ARTICLE	IF	CITATIONS
1	Transient Cell Cycle Induction in Cardiomyocytes to Treat Subacute Ischemic Heart Failure. <i>Circulation</i> , 2022, 145, 1339-1355.	1.6	27
2	Electronic Cigarette Solvents, JUUL E-Liquids, and Biomarkers of Exposure: In Vivo Evidence for Acrolein and Glycidol in E-Cig-Derived Aerosols. <i>Chemical Research in Toxicology</i> , 2022, 35, 283-292.	3.3	13
3	Polystyrene bead ingestion promotes adiposity and cardiometabolic disease in mice. <i>Ecotoxicology and Environmental Safety</i> , 2022, 232, 113239.	6.0	33
4	Effects of electronic cigarette flavorants on human platelet aggregation ex vivo. <i>Toxicology Reports</i> , 2022, 9, 814-820.	3.3	2
5	Activating Adenosine Monophosphate-Activated Protein Kinase Mediates Fibroblast Growth Factor 1 Protection From Nonalcoholic Fatty Liver Disease in Mice. <i>Hepatology</i> , 2021, 73, 2206-2222.	7.3	43
6	Residential proximity to greenness mitigates the hemodynamic effects of ambient air pollution. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1102-H1111.	3.2	30
7	Electronic cigarette solvents, pulmonary irritation, and endothelial dysfunction: role of acetaldehyde and formaldehyde. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1510-H1525.	3.2	28
8	Endothelial progenitor cells as critical mediators of environmental air pollution-induced cardiovascular toxicity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1440-H1455.	3.2	14
9	Exposure to volatile organic compounds "acrolein, 1,3-butadiene, and crotonaldehyde" is associated with vascular dysfunction. <i>Environmental Research</i> , 2021, 196, 110903.	7.5	44
10	Harmonization of acronyms for volatile organic compound metabolites using a standardized naming system. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 235, 113749.	4.3	11
11	Fine particulate matter air pollution and aortic perivascular adipose tissue: Oxidative stress, leptin, and vascular dysfunction. <i>Physiological Reports</i> , 2021, 9, e14980.	1.7	7
12	Acrolein but not its metabolite, 3-Hydroxypropylmercapturic acid (3HPMA), activates vascular transient receptor potential Ankyrin-1 (TRPA1): Physiological to toxicological implications. <i>Toxicology and Applied Pharmacology</i> , 2021, 426, 115647.	2.8	2
13	Subclinical markers of cardiovascular toxicity of benzene inhalation in mice. <i>Toxicology and Applied Pharmacology</i> , 2021, 431, 115742.	2.8	6
14	A novel evaluation of endothelial dysfunction ex vivo: "Teaching an Old Drug a New Trick". <i>Physiological Reports</i> , 2021, 9, e15120.	1.7	0
15	Heart slice culture system reliably demonstrates clinical drug-related cardiotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2020, 406, 115213.	2.8	19
16	Emerging technology and platforms for cardiotoxicity testing. <i>Toxicology and Applied Pharmacology</i> , 2020, 408, 115262.	2.8	0
17	Tobacco Smoke and Endothelial Dysfunction: Role of Aldehydes?. <i>Current Hypertension Reports</i> , 2020, 22, 73.	3.5	14
18	Endothelial Overexpression of Metallothionein Prevents Diabetes-Induced Impairment in Ischemia Angiogenesis Through Preservation of HIF-1/SDF-1/VEGF Signaling in Endothelial Progenitor Cells. <i>Diabetes</i> , 2020, 69, 1779-1792.	0.6	37

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19	Environmental Determinants of Hypertension and Diabetes Mellitus: Sounding Off About the Effects of Noise. <i>Journal of the American Heart Association</i> , 2020, 9, e016048.	3.7	12
20	Acute and chronic vascular effects of inhaled crotonaldehyde in mice: Role of TRPA1. <i>Toxicology and Applied Pharmacology</i> , 2020, 402, 115120.	2.8	18
21	Crotonaldehyde-induced vascular relaxation and toxicity: Role of endothelium and transient receptor potential ankyrin-1 (TRPA1). <i>Toxicology and Applied Pharmacology</i> , 2020, 398, 115012.	2.8	12
22	Comparison of Urinary Biomarkers of Exposure in Humans Using Electronic Cigarettes, Combustible Cigarettes, and Smokeless Tobacco. <i>Nicotine and Tobacco Research</i> , 2019, 21, 1228-1238.	2.6	76
23	Carnosine Supplementation Mitigates the Deleterious Effects of Particulate Matter Exposure in Mice. <i>Journal of the American Heart Association</i> , 2019, 8, e013041.	3.7	18
24	Comparative effects of parent and heated cinnamaldehyde on the function of human iPSC-derived cardiac myocytes. <i>Toxicology in Vitro</i> , 2019, 61, 104648.	2.4	11
25	Cardiovascular injury induced by tobacco products: assessment of risk factors and biomarkers of harm. A Tobacco Centers of Regulatory Science compilation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H801-H827.	3.2	54
26	TRPA1 channel contributes to myocardial ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H889-H899.	3.2	42
27	Acetaldehyde Induces an Endothelium-Dependent Relaxation of Superior Mesenteric Artery: Potential Role in Postprandial Hyperemia. <i>Frontiers in Physiology</i> , 2019, 10, 1315.	2.8	12
28	Electronic cigarettes and insulin resistance in animals and humans: Results of a controlled animal study and the National Health and Nutrition Examination Survey (NHANES 2013-2016). <i>PLoS ONE</i> , 2019, 14, e0226744.	2.5	15
29	Benzene Exposure Induces Insulin Resistance in Mice. <i>Toxicological Sciences</i> , 2019, 167, 426-437.	3.1	35
30	Systemic Toxicity of Smokeless Tobacco Products in Mice. <i>Nicotine and Tobacco Research</i> , 2019, 21, 101-110.	2.6	24
31	Acute exposure to air pollution is associated with novel changes in blood levels of endothelin-1 and circulating angiogenic cells in young, healthy adults. <i>AIMS Environmental Science</i> , 2019, 6, 265-276.	1.4	5
32	Deficiency of aldose reductase exacerbates early pressure overload-induced cardiac dysfunction and autophagy in mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 118, 183-192.	1.9	23
33	Inhalation of Fine Particulate Matter Impairs Endothelial Progenitor Cell Function Via Pulmonary Oxidative Stress. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 131-142.	2.4	71
34	Association Between Residential Greenness and Cardiovascular Disease Risk. <i>Journal of the American Heart Association</i> , 2018, 7, e009117.	3.7	114
35	Glutathione S-transferase P deficiency induces glucose intolerance via JNK-dependent enhancement of hepatic gluconeogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E1005-E1018.	3.5	14
36	Electronic cigarette-generated aldehydes: The contribution of e-liquid components to their formation and the use of urinary aldehyde metabolites as biomarkers of exposure. <i>Aerosol Science and Technology</i> , 2018, 52, 1219-1232.	3.1	64

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37	A Simple Method for Normalization of Aortic Contractility. <i>Journal of Vascular Research</i> , 2018, 55, 177-186.	1.4	8
38	Flavorings in Tobacco Products Induce Endothelial Cell Dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1607-1615.	2.4	97
39	Elevating CXCR7 Improves Angiogenic Function of EPCs via Akt/GSK-3 β /Fyn-Mediated Nrf2 Activation in Diabetic Limb Ischemia. <i>Circulation Research</i> , 2017, 120, e7-e23.	4.5	114
40	Biomarkers of Chronic Acrolein Inhalation Exposure in Mice: Implications for Tobacco Product-Induced Toxicity. <i>Toxicological Sciences</i> , 2017, 158, 263-274.	3.1	42
41	Aldehyde Detection in Electronic Cigarette Aerosols. <i>ACS Omega</i> , 2017, 2, 1207-1214.	3.5	181
42	Exercise-Induced Changes in Glucose Metabolism Promote Physiological Cardiac Growth. <i>Circulation</i> , 2017, 136, 2144-2157.	1.6	103
43	Uncoupling the Mitogenic and Metabolic Functions of FGF1 by Tuning FGF1-FGF Receptor Dimer Stability. <i>Cell Reports</i> , 2017, 20, 1717-1728.	6.4	71
44	Role of TRPA1 in acute cardiopulmonary toxicity of inhaled acrolein. <i>Toxicology and Applied Pharmacology</i> , 2017, 324, 61-72.	2.8	35
45	Benzene exposure is associated with cardiovascular disease risk. <i>PLoS ONE</i> , 2017, 12, e0183602.	2.5	55
46	Exposure to Fine Particulate Air Pollution Causes Vascular Insulin Resistance by Inducing Pulmonary Oxidative Stress. <i>Environmental Health Perspectives</i> , 2016, 124, 1830-1839.	6.0	180
47	Acute cardiopulmonary toxicity of inhaled aldehydes: role of TRPA1. <i>Annals of the New York Academy of Sciences</i> , 2016, 1374, 59-67.	3.8	23
48	Resolvin D2 Enhances Postischemic Revascularization While Resolving Inflammation. <i>Circulation</i> , 2016, 134, 666-680.	1.6	85
49	Exposure to Fine Particulate Air Pollution Is Associated With Endothelial Injury and Systemic Inflammation. <i>Circulation Research</i> , 2016, 119, 1204-1214.	4.5	472
50	Insulin sensitizers prevent fine particulate matter-induced vascular insulin resistance and changes in endothelial progenitor cell homeostasis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H1423-H1438.	3.2	46
51	Air Pollution-Induced Vascular Dysfunction: Potential Role of Endothelin-1 (ET-1) System. <i>Cardiovascular Toxicology</i> , 2016, 16, 260-275.	2.7	47
52	Anti-inflammatory effects of miR-21 in the macrophage response to peritonitis. <i>Journal of Leukocyte Biology</i> , 2016, 99, 361-371.	3.3	80
53	Modulation of tumorigenesis by the pro-inflammatory microRNA miR-301a in mouse models of lung cancer and colorectal cancer. <i>Cell Discovery</i> , 2015, 1, 15005.	6.7	34
54	The oncogenic microRNA miR-21 promotes regulated necrosis in mice. <i>Nature Communications</i> , 2015, 6, 7151.	12.8	78

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55	Genetic Deficiency of Glutathione <i>S</i> -Transferase P Increases Myocardial Sensitivity to Ischemiaâ€“Reperfusion Injury. <i>Circulation Research</i> , 2015, 117, 437-449.	4.5	34
56	Glutathione S-transferase P protects against cyclophosphamide-induced cardiotoxicity in mice. <i>Toxicology and Applied Pharmacology</i> , 2015, 285, 136-148.	2.8	36
57	Residential Proximity to Major Roadways Is Associated With Increased Levels of AC133 ⁺ Circulating Angiogenic Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2468-2477.	2.4	38
58	Acrolein Exposure Is Associated With Increased Cardiovascular Disease Risk. <i>Journal of the American Heart Association</i> , 2014, 3, .	3.7	146
59	Acrolein Decreases Endothelial Cell Migration and Insulin Sensitivity Through Induction of let-7a. <i>Toxicological Sciences</i> , 2014, 140, 271-282.	3.1	35
60	Particulate Matter and Oxidative Stress â€“ Pulmonary and Cardiovascular Targets and Consequences. , 2014, , 1557-1586.		9
61	Cardiovascular Autophagy: Crossroads of Pathology, Pharmacology and Toxicology. <i>Cardiovascular Toxicology</i> , 2013, 13, 220-229.	2.7	60
62	Role of Aldose Reductase in the Metabolism and Detoxification of Carnosine-Acrolein Conjugates. <i>Journal of Biological Chemistry</i> , 2013, 288, 28163-28179.	3.4	77
63	Exposure to Ambient Air Fine Particulate Matter Prevents VEGF-Induced Mobilization of Endothelial Progenitor Cells from the Bone Marrow. <i>Environmental Health Perspectives</i> , 2012, 120, 848-856.	6.0	78
64	Verapamil stereoisomers induce antiproliferative effects in vascular smooth muscle cells via autophagy. <i>Toxicology and Applied Pharmacology</i> , 2012, 262, 265-272.	2.8	46
65	Part 4. Effects of subchronic diesel engine emissions exposure on plasma markers in rodents: report on 1- and 3-month exposures in the ACES bioassay. <i>Research Report (health Effects Institute)</i> , 2012, , 189-223.	1.6	1
66	Oral exposure to acrolein exacerbates atherosclerosis in apoE-null mice. <i>Atherosclerosis</i> , 2011, 215, 301-308.	0.8	98
67	Murine hepatic aldehyde dehydrogenase 1a1 is a major contributor to oxidation of aldehydes formed by lipid peroxidation. <i>Chemico-Biological Interactions</i> , 2011, 191, 278-287.	4.0	44
68	Acroleinâ€“induced dyslipidemia and acuteâ€“phase response are independent of HMGâ€“CoA reductase. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 1411-1422.	3.3	18
69	Acrolein Inhalation Prevents Vascular Endothelial Growth Factorâ€“Induced Mobilization of Flk-1 ⁺ /Sca-1 ⁺ Cells in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1598-1606.	2.4	65
70	Are <i>Glutathione S</i> -Transferase Null Genotypes â€œNull and Voidâ€“of Risk for Ischemic Vascular Disease?. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 339-341.	5.1	4
71	Acrolein consumption induces systemic dyslipidemia and lipoprotein modification. <i>Toxicology and Applied Pharmacology</i> , 2010, 243, 1-12.	2.8	74
72	Exposure to acrolein by inhalation causes platelet activation. <i>Toxicology and Applied Pharmacology</i> , 2010, 248, 100-110.	2.8	74

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73	Postischemic Deactivation of Cardiac Aldose Reductase. Journal of Biological Chemistry, 2010, 285, 26135-26148.	3.4	50
74	Episodic Exposure to Fine Particulate Air Pollution Decreases Circulating Levels of Endothelial Progenitor Cells. Circulation Research, 2010, 107, 200-203.	4.5	130
75	Acrolein Inhalation Suppresses Recruitment and Mobilization of Endothelial Progenitor Cells. FASEB Journal, 2010, 24, 703.11.	0.5	0
76	Increased Sensitivity of Glutathione <i>S</i> -Transferase P-Null Mice to Cyclophosphamide-Induced Urinary Bladder Toxicity. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 456-469.	2.5	47
77	Glutathione <i>S</i> -transferase P protects against endothelial dysfunction induced by exposure to tobacco smoke. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1586-H1597.	3.2	98
78	Cardioprotection in iNOS transgenic mice is independent of mitochondrial biogenesis.. FASEB Journal, 2008, 22, 835.2.	0.5	0
79	Platelet Sensitivity is Increased by Acrolein. FASEB Journal, 2008, 22, 897.6.	0.5	1
80	Cytochromes P450 catalyze oxidation of $\hat{1}\pm,\hat{1}^2$ -unsaturated aldehydes. Archives of Biochemistry and Biophysics, 2007, 464, 187-196.	3.0	29
81	Aldehydemetabolism in the cardiovascular system. Molecular BioSystems, 2007, 3, 136-150.	2.9	63
82	Acrolein induces vasodilatation of rodent mesenteric bed via an EDHF-dependent mechanism. Toxicology and Applied Pharmacology, 2006, 217, 266-276.	2.8	28
83	Acrolein generation stimulates hypercontraction in isolated human blood vessels. Toxicology and Applied Pharmacology, 2006, 217, 277-288.	2.8	35