Daniel J Conklin

List of Publications by Year
in descending order

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83 papers	4,121 citations	101535 36 h-index	123420 61 g-index
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. Circulation, 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. Chemical Research in Toxicology, 2022, 35, 283-292.	3.3	13
3	Polystyrene bead ingestion promotes adiposity and cardiometabolic disease in mice. Ecotoxicology and Environmental Safety, 2022, 232, 113239.	6.0	33
4	Effects of electronic cigarette flavorants on human platelet aggregation ex vivo. Toxicology Reports, 2022, 9, 814-820.	3.3	2
5	Activating Adenosine Monophosphateâ€“Activated Protein Kinase Mediates Fibroblast Growth Factor 1 Protection From Nonalcoholic Fatty Liver Disease in Mice. Hepatology, 2021, 73, 2206-2222.	7.3	43
6	Residential proximity to greenness mitigates the hemodynamic effects of ambient air pollution. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1102-H1111.	3.2	30
7	Electronic cigarette solvents, pulmonary irritation, and endothelial dysfunction: role of acetaldehyde and formaldehyde. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1510-H1525.	3.2	28
8	Endothelial progenitor cells as critical mediators of environmental air pollution-induced cardiovascular toxicity. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1440-H1455.	3.2	14
9	Exposure to volatile organic compounds â€“ acrolein, 1,3-butadiene, and crotonaldehyde â€“ is associated with vascular dysfunction. Environmental Research, 2021, 196, 110903.	7.5	44
10	Harmonization of acronyms for volatile organic compound metabolites using a standardized naming system. International Journal of Hygiene and Environmental Health, 2021, 235, 113749.	4.3	11
11	Fine particulate matter air pollution and aortic perivascular adipose tissue: Oxidative stress, leptin, and vascular dysfunction. Physiological Reports, 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. Toxicology and Applied Pharmacology, 2021, 426, 115647.	2.8	2
13	Subclinical markers of cardiovascular toxicity of benzene inhalation in mice. Toxicology and Applied Pharmacology, 2021, 431, 115742.	2.8	6
14	A novel evaluation of endothelial dysfunction ex vivo: â€œTeaching an Old Drug a New Trickâ€• Physiological Reports, 2021, 9, e15120.	1.7	0
15	Heart slice culture system reliably demonstrates clinical drug-related cardiotoxicity. Toxicology and Applied Pharmacology, 2020, 406, 115213.	2.8	19
16	Emerging technology and platforms for cardiotoxicity testing. Toxicology and Applied Pharmacology, 2020, 408, 115262.	2.8	0
17	Tobacco Smoke and Endothelial Dysfunction: Role of Aldehydes?. Current Hypertension Reports, 2020, 22, 73.	3.5	14
18	Endothelial Overexpression of Metallothionein Prevents Diabetes-Induced Impairment in Ischemia Angiogenesis Through Preservation of HIF-1Î±/SDF-1/VEGF Signaling in Endothelial Progenitor Cells. Diabetes, 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. Journal of the American Heart Association, 2020, 9, e016048.	3.7	12
20	Acute and chronic vascular effects of inhaled crotonaldehyde in mice: Role of TRPA1. Toxicology and Applied Pharmacology, 2020, 402, 115120.	2.8	18
21	Crotonaldehyde-induced vascular relaxation and toxicity: Role of endothelium and transient receptor potential ankyrin-1 (TRPA1). Toxicology and Applied Pharmacology, 2020, 398, 115012.	2.8	12
22	Comparison of Urinary Biomarkers of Exposure in Humans Using Electronic Cigarettes, Combustible Cigarettes, and Smokeless Tobacco. Nicotine and Tobacco Research, 2019, 21, 1228-1238.	2.6	76
23	Carnosine Supplementation Mitigates the Deleterious Effects of Particulate Matter Exposure in Mice. Journal of the American Heart Association, 2019, 8, e013041.	3.7	18
24	Comparative effects of parent and heated cinnamaldehyde on the function of human iPSC-derived cardiac myocytes. Toxicology in Vitro, 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. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H801-H827.	3.2	54
26	TRPA1 channel contributes to myocardial ischemia-reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H889-H899.	3.2	42
27	Acetaldehyde Induces an Endothelium-Dependent Relaxation of Superior Mesenteric Artery: Potential Role in Postprandial Hyperemia. Frontiers in Physiology, 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). PLoS ONE, 2019, 14, e0226744.	2.5	15
29	Benzene Exposure Induces Insulin Resistance in Mice. Toxicological Sciences, 2019, 167, 426-437.	3.1	35
30	Systemic Toxicity of Smokeless Tobacco Products in Mice. Nicotine and Tobacco Research, 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. AIMS Environmental Science, 2019, 6, 265-276.	1.4	5
32	Deficiency of aldose reductase exacerbates early pressure overload-induced cardiac dysfunction and autophagy in mice. Journal of Molecular and Cellular Cardiology, 2018, 118, 183-192.	1.9	23
33	Inhalation of Fine Particulate Matter Impairs Endothelial Progenitor Cell Function Via Pulmonary Oxidative Stress. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 131-142.	2.4	71
34	Association Between Residential Greenness and Cardiovascular Disease Risk. Journal of the American Heart Association, 2018, 7, e009117.	3.7	114
35	GlutathioneS-transferase P deficiency induces glucose intolerance via JNK-dependent enhancement of hepatic gluconeogenesis. American Journal of Physiology - Endocrinology and Metabolism, 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. Aerosol Science and Technology, 2018, 52, 1219-1232.	3.1	64

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37	A Simple Method for Normalization of Aortic Contractility. Journal of Vascular Research, 2018, 55, 177-186.	1.4	8
38	Flavorings in Tobacco Products Induce Endothelial Cell Dysfunction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1607-1615.	2.4	97
39	Elevating CXCR7 Improves Angiogenic Function of EPCs via Akt/GSK-3Î²/Fyn-Mediated Nrf2 Activation in Diabetic Limb Ischemia. Circulation Research, 2017, 120, e7-e23.	4.5	114
40	Biomarkers of Chronic Acrolein Inhalation Exposure in Mice: Implications for Tobacco Product-Induced Toxicity. Toxicological Sciences, 2017, 158, 263-274.	3.1	42
41	Aldehyde Detection in Electronic Cigarette Aerosols. ACS Omega, 2017, 2, 1207-1214.	3.5	181
42	Exercise-Induced Changes in Glucose Metabolism Promote Physiological Cardiac Growth. Circulation, 2017, 136, 2144-2157.	1.6	103
43	Uncoupling the Mitogenic and Metabolic Functions of FGF1 by Tuning FGF1-FGF Receptor Dimer Stability. Cell Reports, 2017, 20, 1717-1728.	6.4	71
44	Role of TRPA1 in acute cardiopulmonary toxicity of inhaled acrolein. Toxicology and Applied Pharmacology, 2017, 324, 61-72.	2.8	35
45	Benzene exposure is associated with cardiovascular disease risk. PLoS ONE, 2017, 12, e0183602.	2.5	55
46	Exposure to Fine Particulate Air Pollution Causes Vascular Insulin Resistance by Inducing Pulmonary Oxidative Stress. Environmental Health Perspectives, 2016, 124, 1830-1839.	6.0	180
47	Acute cardiopulmonary toxicity of inhaled aldehydes: role of TRPA1. Annals of the New York Academy of Sciences, 2016, 1374, 59-67.	3.8	23
48	Resolvin D2 Enhances Postischemic Revascularization While Resolving Inflammation. Circulation, 2016, 134, 666-680.	1.6	85
49	Exposure to Fine Particulate Air Pollution Is Associated With Endothelial Injury and Systemic Inflammation. Circulation Research, 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. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1423-H1438.	3.2	46
51	Air Pollution-Induced Vascular Dysfunction: Potential Role of Endothelin-1 (ET-1) System. Cardiovascular Toxicology, 2016, 16, 260-275.	2.7	47
52	Anti-inflammatory effects of miR-21 in the macrophage response to peritonitis. Journal of Leukocyte Biology, 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. Cell Discovery, 2015, 1, 15005.	6.7	34
54	The oncogenic microRNA miR-21 promotes regulated necrosis in mice. Nature Communications, 2015, 6, 7151.	12.8	78

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55	Genetic Deficiency of Glutathione S -Transferase P Increases Myocardial Sensitivity to Ischemiaâ€“Reperfusion Injury. Circulation Research, 2015, 117, 437-449.	4.5	34
56	Glutathione S-transferase P protects against cyclophosphamide-induced cardiotoxicity in mice. Toxicology and Applied Pharmacology, 2015, 285, 136-148.	2.8	36
57	Residential Proximity to Major Roadways Is Associated With Increased Levels of AC133 ⁺ Circulating Angiogenic Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2468-2477.	2.4	38
58	Acrolein Exposure Is Associated With Increased Cardiovascular Disease Risk. Journal of the American Heart Association, 2014, 3, .	3.7	146
59	Acrolein Decreases Endothelial Cell Migration and Insulin Sensitivity Through Induction of let-7a. Toxicological Sciences, 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. Cardiovascular Toxicology, 2013, 13, 220-229.	2.7	60
62	Role of Aldose Reductase in the Metabolism and Detoxification of Carnosine-Acrolein Conjugates. Journal of Biological Chemistry, 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. Environmental Health Perspectives, 2012, 120, 848-856.	6.0	78
64	Verapamil stereoisomers induce antiproliferative effects in vascular smooth muscle cells via autophagy. Toxicology and Applied Pharmacology, 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. Research Report (health Effects Institute), 2012, , 189-223.	1.6	1
66	Oral exposure to acrolein exacerbates atherosclerosis in apoE-null mice. Atherosclerosis, 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. Chemico-Biological Interactions, 2011, 191, 278-287.	4.0	44
68	Acroleinâ€induced dyslipidemia and acuteâ€phase response are independent of HMGâ€CoA reductase. Molecular Nutrition and Food Research, 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. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1598-1606.	2.4	65
70	Are Glutathione S -Transferase Null Genotypes â€œNull and Voidâ€•of Risk for Ischemic Vascular Disease?. Circulation: Cardiovascular Genetics, 2011, 4, 339-341.	5.1	4
71	Acrolein consumption induces systemic dyslipidemia and lipoprotein modification. Toxicology and Applied Pharmacology, 2010, 243, 1-12.	2.8	74
72	Exposure to acrolein by inhalation causes platelet activation. Toxicology and Applied Pharmacology, 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 GlutathioneS-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-S-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 Î±,Î²-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