

Cameron G Mccarthy

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,463
citations

394421

19
h-index

345221

36
g-index

65
all docs

65
docs citations

65
times ranked

2306
citing authors

#	ARTICLE	IF	CITATIONS
1	Toll-like Receptors in the Vascular System: Sensing the Dangers Within. <i>Pharmacological Reviews</i> , 2016, 68, 142-167.	16.0	199
2	Circulating mitochondrial DNA and Toll-like receptor 9 are associated with vascular dysfunction in spontaneously hypertensive rats. <i>Cardiovascular Research</i> , 2015, 107, 119-130.	3.8	149
3	Toll-like receptors and damage-associated molecular patterns: novel links between inflammation and hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H184-H196.	3.2	148
4	Mitochondrial damage-associated molecular patterns and vascular function. <i>European Heart Journal</i> , 2014, 35, 1172-1177.	2.2	103
5	Guidelines for the measurement of vascular function and structure in isolated arteries and veins. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H77-H111.	3.2	74
6	Mitochondrial N-formyl peptides induce cardiovascular collapse and sepsis-like syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H768-H777.	3.2	67
7	Gnotobiotic Rats Reveal That Gut Microbiota Regulates Colonic mRNA of ACE2, the Receptor for SARS-CoV-2 Infectivity. <i>Hypertension</i> , 2020, 76, e1-e3.	2.7	63
8	Hypertension Induced Morphological and Physiological Changes in Cells of the Arterial Wall. <i>American Journal of Hypertension</i> , 2018, 31, 1067-1078.	2.0	60
9	Mitochondrial N-formyl peptides cause airway contraction and lung neutrophil infiltration via formyl peptide receptor activation. <i>Pulmonary Pharmacology and Therapeutics</i> , 2016, 37, 49-56.	2.6	42
10	Microbiota Introduced to Germ-Free Rats Restores Vascular Contractility and Blood Pressure. <i>Hypertension</i> , 2020, 76, 1847-1855.	2.7	42
11	Ketone body β -hydroxybutyrate is an autophagy-dependent vasodilator. <i>JCI Insight</i> , 2021, 6, .	5.0	37
12	Reconstitution of autophagy ameliorates vascular function and arterial stiffening in spontaneously hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H1013-H1027.	3.2	33
13	Metabolites and Hypertension: Insights into Hypertension as a Metabolic Disorder. <i>Hypertension</i> , 2020, 75, 1386-1396.	2.7	32
14	Novel Contributors and Mechanisms of Cellular Senescence in Hypertension-Associated Premature Vascular Aging. <i>American Journal of Hypertension</i> , 2019, 32, 709-719.	2.0	30
15	Exposure to stimulatory CpG oligonucleotides during gestation induces maternal hypertension and excess vasoconstriction in pregnant rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H1015-H1025.	3.2	29
16	Chloroquine Suppresses the Development of Hypertension in Spontaneously Hypertensive Rats. <i>American Journal of Hypertension</i> , 2017, 30, 173-181.	2.0	25
17	Microbiota are critical for vascular physiology: Germ-free status weakens contractility and induces sex-specific vascular remodeling in mice. <i>Vascular Pharmacology</i> , 2020, 125-126, 106633.	2.1	24
18	Innate Immune Cells and Hypertension: Neutrophils and Neutrophil Extracellular Traps (NETs)., 2021, 11, 1575-1589.		23

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19	The toll of the gridiron: damage-associated molecular patterns and hypertension in American football. <i>FASEB Journal</i> , 2016, 30, 34-40.	0.5	22
20	Formyl peptide receptor-1 activation exerts a critical role for the dynamic plasticity of arteries via actin polymerization. <i>Pharmacological Research</i> , 2019, 141, 276-290.	7.1	21
21	Effect of myostatin deletion on cardiac and microvascular function. <i>Physiological Reports</i> , 2017, 5, e13525.	1.7	20
22	A new storm on the horizon in COVID-19: Bradykinin-induced vascular complications. <i>Vascular Pharmacology</i> , 2021, 137, 106826.	2.1	20
23	Autoimmune therapeutic chloroquine lowers blood pressure and improves endothelial function in spontaneously hypertensive rats. <i>Pharmacological Research</i> , 2016, 113, 384-394.	7.1	17
24	Toll-Like Receptor 9-Dependent AMPK Activation Occurs via TAK1 and Contributes to RhoA/ROCK Signaling and Actin Polymerization in Vascular Smooth Muscle Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 365, 60-71.	2.5	17
25	A Cytokine/Bradykinin Storm Comparison: What Is the Relationship Between Hypertension and COVID-19?. <i>American Journal of Hypertension</i> , 2021, 34, 304-306.	2.0	17
26	The Obligatory Role of the Acetylcholine-Induced Endothelium-Dependent Contraction in Hypertension: Can Arachidonic Acid Resolve this Inflammation?. <i>Current Pharmaceutical Design</i> , 2020, 26, 3723-3732.	1.9	15
27	Formyl Peptide Receptor Activation Elicits Endothelial Cell Contraction and Vascular Leakage. <i>Frontiers in Immunology</i> , 2016, 7, 297.	4.8	14
28	Urothelial Senescence in the Pathophysiology of Diabetic Bladder Dysfunction—A Novel Hypothesis. <i>Frontiers in Surgery</i> , 2018, 5, 72.	1.4	13
29	Targeting Endothelial Barrier Dysfunction Caused by Circulating Bacterial and Mitochondrial N-Formyl Peptides With Deformylase. <i>Frontiers in Immunology</i> , 2019, 10, 1270.	4.8	12
30	Mitophagy in Hypertension-Associated Premature Vascular Aging. <i>American Journal of Hypertension</i> , 2020, 33, 804-812.	2.0	12
31	TRPM8 channel activation triggers relaxation of pudendal artery with increased sensitivity in the hypertensive rats. <i>Pharmacological Research</i> , 2019, 147, 104329.	7.1	10
32	Physiologic, Metabolic, and Toxicologic Profile of 1,3-Butanediol. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 379, 245-252.	2.5	10
33	Paying the Toll for Inflammation. <i>Hypertension</i> , 2019, 73, 514-521.	2.7	9
34	Toll-like receptor 9 regulates metabolic profile and contributes to obesity-induced benign prostatic hyperplasia in mice. <i>Pharmacological Reports</i> , 2020, 72, 179-187.	3.3	7
35	FPR-1 (Formyl Peptide Receptor-1) Activation Promotes Spontaneous, Premature Hypertension in Dahl Salt-Sensitive Rats. <i>Hypertension</i> , 2021, 77, 1191-1202.	2.7	7
36	Low-dose 1,3-butanediol reverses age-associated vascular dysfunction independent of ketone body β -hydroxybutyrate. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H466-H473.	3.2	7

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37	Macrophage-Specific Toll Like Receptor 9 (TLR9) Causes Corpus Cavernosum Dysfunction in Mice Fed a High Fat Diet. <i>Journal of Sexual Medicine</i> , 2021, 18, 723-731.	0.6	6
38	To Be, or Nox to Be, Endoplasmic Reticulum Stress in Hypertension. <i>Hypertension</i> , 2018, 72, 59-60.	2.7	5
39	Intrinsic Exercise Capacity and Mitochondrial DNA Lead to Opposing Vascular-Associated Risks. <i>Function</i> , 2020, 2, zqaa029.	2.3	5
40	Genetic predisposition for increased red blood cell distribution width is an early risk factor for cardiovascular and renal comorbidities. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	2.4	4
41	^{12}C -Hydroxybutyrate (^{12}HOB) Increases Nitric Oxide Synthase Activity in Resistance Arteries from Dahl Salt-sensitive Rats. <i>FASEB Journal</i> , 2019, 33, 829.1.	0.5	4
42	Adopting an Orphan: How Could GRP35 Contribute to Angiotensin II-Dependent Hypertension?. <i>American Journal of Hypertension</i> , 2018, 31, 973-975.	2.0	2
43	Ethanol: striking the cardiovascular system by harming the gut microbiota. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H275-H291.	3.2	2
44	Opioids Cause Sex-Specific Vascular Changes via Cofilin-Extracellular Signal-Regulated Kinase Signaling: Female Mice Present Higher Risk of Developing Morphine-Induced Vascular Dysfunction than Male Mice. <i>Journal of Vascular Research</i> , 2021, 58, 392-402.	1.4	2
45	B lymphoma Moloney murine leukemia virus insertion region 1 homolog: the Janus-faced polycomb protein that will break your heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H257-H259.	3.2	1
46	Intrinsic exercise capacity induces divergent vascular plasticity via arachidonic acid-mediated inflammatory pathways in female rats. <i>Vascular Pharmacology</i> , 2021, 140, 106862.	2.1	1
47	Reply to Boedtker and Aalkjaer. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H687-H688.	3.2	1
48	Toxic soluble misfolded proteins and ER stress are present in plasma and vascular smooth muscle cells, respectively, from diabetic patients. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
49	Pro-Resolving Lipid Mediators Reduce Acetylcholine-Induced Contractions in Resistance Arteries from Hypertensive Rats. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
50	High salt impairs energy sensing and autophagy to decrease the synthesis of liver-derived vasodilator, ^{12}C -hydroxybutyrate. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
51	Opioids Cause Vascular Dysfunction in a Sex-Specific Manner. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
52	1,3-Butanediol at 5% v/v best mimics the systemic and urinary concentrations of ^{12}C -hydroxybutyrate after a 24h fast in adult rats. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
53	Soluble Protein Oligomers induce Endoplasmic Reticulum Stress in Acute Conditions in Mesenteric Resistance Arteries from Male and Female Mice. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
54	Circulating fragmented mitochondria induce maternal hypertension, placental inflammation and apoptosis in pregnant rats. <i>FASEB Journal</i> , 2013, 27, 708.9.	0.5	0

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55	Chronic Tollâ€like receptor 9 activation mediates heightened vascular contractility via attenuated NOS activity in isolated aortic segments. FASEB Journal, 2013, 27, 878.6.	0.5	0
56	Tollâ€like Receptor 9 Signals through both the Stressâ€tolerance and Inflammatory Cascades after Pharmacological Stimulation in Isolated Rat Arteries. FASEB Journal, 2015, 29, 783.2.	0.5	0
57	Tollâ€like receptor 9 Activation Contributes to Decreased Autophagy in Hypertension. FASEB Journal, 2015, 29, 1048.1.	0.5	0
58	Functional Impairment in the Corpus Cavernosum Related to a High Fat Diet is Prevented in Tollâ€like Receptor 9 Mutant Mice. FASEB Journal, 2018, 32, .	0.5	0
59	Reconstitution of Autophagy Improves Vascular Reactivity in Spontaneously Hypertensive Rats. FASEB Journal, 2018, 32, 713.17.	0.5	0
60	Participation of Tollâ€like Receptor (TLR) 9 in Obesityâ€induced Benign Prostatic Hyperplasia (BPH) in Mice: Implication of Periprostatic Fat. FASEB Journal, 2018, 32, 770.11.	0.5	0
61	Activation of Formyl Peptide Receptor Precedes the Onset of Hypertension in Dahl Salt Sensitive Rats: Effects of Microbiota and Salt. FASEB Journal, 2019, 33, 836.7.	0.5	0
62	Resistance Arteries from Lowâ€Capacity Running Rats Exhibit Diminished Acetylcholineâ€induced Relaxation in Comparison to Highâ€Capacity Running Rats: Effects of Native and Allografted Perivascular Adipose Tissue on Vascular Function. FASEB Journal, 2019, 33, 693.8.	0.5	0
63	TRPM8 channel activation triggers relaxation of pudendal artery and corpus cavernosum with increased vascular sensitivity in spontaneously hypertensive rats: Is it a new target for erectile dysfunction?. FASEB Journal, 2019, 33, 679.5.	0.5	0
64	PP242, mTOR inhibitor, decreases phenylephrineâ€induced vascular contractility in hypertensive and normotensive arteries. FASEB Journal, 2019, 33, 832.5.	0.5	0
65	Reply to De Mey et al.. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H683-H684.	3.2	0