

Christopher J Wingard

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

2,099

citations

27

h-index

45

g-index

66

ext. papers

2,238

ext. citations

4.8

avg, IF

4.26

L-index

#	Paper	IF	Citations
62	Antagonism of Rho-kinase stimulates rat penile erection via a nitric oxide-independent pathway. <i>Nature Medicine</i> , 2001 , 7, 119-22	50.5	272
61	cGMP-mediated phosphorylation of heat shock protein 20 may cause smooth muscle relaxation without myosin light chain dephosphorylation in swine carotid artery. <i>Journal of Physiology</i> , 2000 , 524 Pt 3, 865-78	3.9	127
60	Multi-walled carbon nanotube instillation impairs pulmonary function in C57BL/6 mice. <i>Particle and Fibre Toxicology</i> , 2011 , 8, 24	8.4	101
59	Effects of increased muscle mass on mouse sagittal suture morphology and mechanics. <i>The Anatomical Record</i> , 2004 , 279, 676-84		92
58	Ultrafine particulate matter exposure augments ischemia-reperfusion injury in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H894-903	5.2	87
57	Effect of Rho-kinase inhibition on vasoconstriction in the penile circulation. <i>Journal of Applied Physiology</i> , 2001 , 91, 1269-73	3.7	76
56	A carbon nanotube toxicity paradigm driven by mast cells and the IL-1 β /STAT3 axis. <i>Small</i> , 2012 , 8, 2904-12	11	74
55	Altered penile vascular reactivity and erection in the Zucker obese-diabetic rat. <i>Journal of Sexual Medicine</i> , 2007 , 4, 348-62; discussion 362-3	1.1	67
54	Novel murine model of chronic granulomatous lung inflammation elicited by carbon nanotubes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011 , 45, 858-66	5.7	65
53	Mast cells contribute to altered vascular reactivity and ischemia-reperfusion injury following cerium oxide nanoparticle instillation. <i>Nanotoxicology</i> , 2011 , 5, 531-45	5.3	63
52	Effect of ambient particulate matter exposure on hemostasis. <i>Translational Research</i> , 2007 , 149, 324-32	11	50
51	Improved erectile function after Rho-kinase inhibition in a rat castrate model of erectile dysfunction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 284, R1572-9	3.2	50
50	Novel role for thioredoxin reductase-2 in mitochondrial redox adaptations to obesogenic diet and exercise in heart and skeletal muscle. <i>Journal of Physiology</i> , 2013 , 591, 3471-86	3.9	47
49	RhoA-Rho kinase mediates synergistic ET-1 and phenylephrine contraction of rat corpus cavernosum. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 285, R1145-52	3.2	43
48	Expansion of cardiac ischemia/reperfusion injury after instillation of three forms of multi-walled carbon nanotubes. <i>Particle and Fibre Toxicology</i> , 2012 , 9, 38	8.4	42
47	PI3-kinase/Akt modulates vascular smooth muscle tone via cAMP signaling pathways. <i>Journal of Applied Physiology</i> , 2001 , 91, 1819-27	3.7	41
46	Cooperative attachment of cross bridges predicts regulation of smooth muscle force by myosin phosphorylation. <i>American Journal of Physiology - Cell Physiology</i> , 2004 , 287, C594-602	5.4	40

45	Cardiac and vascular changes in mice after exposure to ultrafine particulate matter. <i>Inhalation Toxicology</i> , 2007 , 19 Suppl 1, 67-73	2.7	37
44	Basic Science Evidence for the Link Between Erectile Dysfunction and Cardiometabolic Dysfunction. <i>Journal of Sexual Medicine</i> , 2015 , 12, 2233-55	1.1	36
43	Translational Perspective on the Role of Testosterone in Sexual Function and Dysfunction. <i>Journal of Sexual Medicine</i> , 2016 , 13, 1183-98	1.1	34
42	Exposure augments cardiac ischemia/reperfusion injury and coronary artery contraction in Sprague Dawley rats. <i>Toxicological Sciences</i> , 2014 , 138, 365-78	4.4	32
41	The role of PPAR α in carbon nanotube-elicited granulomatous lung inflammation. <i>Respiratory Research</i> , 2013 , 14, 7	7.3	32
40	Alterations of temporalis muscle contractile force and histological content from the myostatin and Mdx deficient mouse. <i>Archives of Oral Biology</i> , 2006 , 51, 396-405	2.8	32
39	Phosphorylation events associated with cyclic nucleotide-dependent inhibition of smooth muscle contraction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 277, H931-9	5.2	32
38	Pulmonary instillation of multi-walled carbon nanotubes promotes coronary vasoconstriction and exacerbates injury in isolated hearts. <i>Nanotoxicology</i> , 2014 , 8, 38-49	5.3	30
37	Multi-walled carbon nanotubes inhibit regenerative axon growth of dorsal root ganglia neurons of mice. <i>Neuroscience Letters</i> , 2012 , 507, 72-7	3.3	29
36	Exercise prevents Western diet-associated erectile dysfunction and coronary artery endothelial dysfunction: response to acute apocynin and sepiapterin treatment. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 305, R423-34	3.2	28
35	Distribution and biomarker of carbon-14 labeled fullerene C60 ([¹⁴ C(U)]C60) in pregnant and lactating rats and their offspring after maternal intravenous exposure. <i>Journal of Applied Toxicology</i> , 2015 , 35, 1438-51	4.1	26
34	Elevated MicroRNA-33 in Sarcoidosis and a Carbon Nanotube Model of Chronic Granulomatous Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 54, 865-71	5.7	25
33	Changes in cardiopulmonary function induced by nanoparticles. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012 , 4, 691-702	9.2	25
32	Disposition of intravenously or orally administered silver nanoparticles in pregnant rats and the effect on the biochemical profile in urine. <i>Journal of Applied Toxicology</i> , 2017 , 37, 530-544	4.1	24
31	Impact of pulmonary exposure to gold core silver nanoparticles of different size and capping agents on cardiovascular injury. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 48	8.4	24
30	Identification, cloning and functional characterization of novel beta-defensins in the rat (<i>Rattus norvegicus</i>). <i>Reproductive Biology and Endocrinology</i> , 2006 , 4, 7	5	23
29	Acute intravenous exposure to silver nanoparticles during pregnancy induces particle size and vehicle dependent changes in vascular tissue contractility in Sprague Dawley rats. <i>Reproductive Toxicology</i> , 2018 , 75, 10-22	3.4	22
28	PVP formulated fullerene (C60) increases Rho-kinase dependent vascular tissue contractility in pregnant Sprague Dawley rats. <i>Reproductive Toxicology</i> , 2014 , 49, 86-100	3.4	20

27	Ultrafine Particulate Matter Increases Cardiac Ischemia/Reperfusion Injury via Mitochondrial Permeability Transition Pore. <i>Cardiovascular Toxicology</i> , 2017 , 17, 441-450	3.4	19
26	Multi-walled carbon nanotube directed gene and protein expression in cultured human aortic endothelial cells is influenced by suspension medium. <i>Toxicology</i> , 2012 , 302, 114-22	4.4	19
25	Reversal of voltage-dependent erectile responses in the Zucker obese-diabetic rat by rosuvastatin-altered RhoA/Rho-kinase signaling. <i>Journal of Sexual Medicine</i> , 2009 , 6 Suppl 3, 269-78	1.1	19
24	Distribution and biomarkers of carbon-14-labeled fullerene C60 ([¹⁴ C(U)]C60) in female rats and mice for up to 30 days after intravenous exposure. <i>Journal of Applied Toxicology</i> , 2015 , 35, 1452-64	4.1	17
23	Role of PKC α and PKC δ in phenylephrine-induced contraction of rat corpora cavernosa. <i>International Journal of Impotence Research</i> , 2004 , 16, 325-33	2.3	17
22	Erectile dysfunction precedes coronary artery endothelial dysfunction in rats fed a high-fat, high-sucrose, Western pattern diet. <i>Journal of Sexual Medicine</i> , 2013 , 10, 694-703	1.1	16
21	Energetic cost of activation processes during contraction of swine arterial smooth muscle. <i>Journal of Physiology</i> , 1997 , 501 (Pt 1), 213-23	3.9	15
20	Erection and NO override the vasoconstrictive effect of alpha-adrenergic stimulation in the rat penile vasculature. <i>International Journal of Impotence Research</i> , 2001 , 13, 212-20	2.3	15
19	Inhibition of Ca ²⁺ -dependent contraction in swine carotid artery by myosin kinase inhibitors. <i>General Pharmacology</i> , 1999 , 32, 483-94		15
18	Peroxisome Proliferator-activated Receptor- γ Deficiency Exacerbates Fibrotic Response to Mycobacteria Peptide in Murine Sarcoidosis Model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019 , 61, 198-208	5.7	12
17	Exposure to a Mycobacterial Antigen, ESAT-6, Exacerbates Granulomatous and Fibrotic Changes in a Multiwall Carbon Nanotube Model of Chronic Pulmonary Disease. <i>Journal of Nanomedicine & Nanotechnology</i> , 2015 , 6,	1.9	12
16	Calcium sensitization as a pharmacological target in vascular smooth-muscle regulation. <i>Current Opinion in Investigational Drugs</i> , 2005 , 6, 920-33		12
15	Alveolar Macrophage ABCG1 Deficiency Promotes Pulmonary Granulomatous Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019 , 61, 332-340	5.7	11
14	Pulmonary instillation of MWCNT increases lung permeability, decreases gp130 expression in the lungs, and initiates cardiovascular IL-6 transsignaling. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L142-54	5.8	9
13	Inhibition of tonic contraction--a novel way to approach erectile dysfunction. <i>Journal of Andrology</i> , 2002 , 23, S5-9		9
12	Nitric oxide and catalase-sensitive relaxation by scutellarin in the mouse thoracic aorta. <i>Journal of Cardiovascular Pharmacology</i> , 2009 , 53, 66-76	3.1	8
11	Pulmonary allergic reactions impair systemic vascular relaxation in ragweed sensitive mice. <i>Vascular Pharmacology</i> , 2010 , 53, 258-63	5.9	6
10	Airway Exposure to Modified Multi-walled Carbon Nanotubes Perturbs Cardiovascular Adenosinergic Signaling in Mice. <i>Cardiovascular Toxicology</i> , 2019 , 19, 168-177	3.4	6

9	Perfluorooctanoic acid-induced toxicity in primary cultures of chicken embryo cardiomyocytes. <i>Environmental Toxicology</i> , 2016 , 31, 1580-1590	4.2	3
8	The Correlative Strength of Objective Physical Assessment Against the ECOG Performance Status Assessment in Individuals Diagnosed With Cancer. <i>Physical Therapy</i> , 2020 , 100, 416-428	3.3	2
7	Urotensin II alters vascular reactivity in animals subjected to volume overload. <i>Peptides</i> , 2010 , 31, 2075-828	3.2	2
6	Epsilon protein kinase C lengthens the quiescent period between spontaneous contractions in rat ventricular cardiac myocytes and trabecula. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004 , 370, 251-61	3.4	2
5	Cardiac neural crest ablation alters aortic smooth muscle force and voltage-sensitive Ca ²⁺ responses. <i>Journal of Muscle Research and Cell Motility</i> , 2002 , 23, 293-303	3.5	1
4	Particulate Exposure and Cardiovascular Inflammation 2013 , 103-130		1
3	Larval Chironomidae (Diptera) of the Upper Tuscarawas River of Northeastern Ohio, U.S.A.. <i>Journal of Freshwater Ecology</i> , 1989 , 5, 93-102	1.4	
2	Digital sampling of low fluid flow: application to coronary flow measurements. <i>Measurement Science and Technology</i> , 1990 , 1, 303-306	2	
1	Effect of scutellarin on contractile behavior of isolated thoracic aorta rings of the mouse. <i>FASEB Journal</i> , 2007 , 21, A1160	0.9	