

# Christopher J Wingard

## List of Publications by Year in descending order

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65  
papers

2,404  
citations

172207

29  
h-index

205818

48  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antagonism of Rho-kinase stimulates rat penile erection via a nitric oxide-independent pathway. <i>Nature Medicine</i> , 2001, 7, 119-122.	15.2	302
2	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, 865-878.	1.3	142
3	Multi-Walled Carbon Nanotube Instillation Impairs Pulmonary Function in C57BL/6 Mice. <i>Particle and Fibre Toxicology</i> , 2011, 8, 24.	2.8	120
4	Effects of increased muscle mass on mouse sagittal suture morphology and mechanics. <i>The Anatomical Record</i> , 2004, 279A, 676-684.	2.3	103
5	Ultrafine particulate matter exposure augments ischemia-reperfusion injury in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H894-H903.	1.5	93
6	A Carbon Nanotube Toxicity Paradigm Driven by Mast Cells and the IL-33/ST2 Axis. <i>Small</i> , 2012, 8, 2904-2912.	5.2	82
7	Effect of Rho-kinase inhibition on vasoconstriction in the penile circulation. <i>Journal of Applied Physiology</i> , 2001, 91, 1269-1273.	1.2	81
8	Altered Penile Vascular Reactivity and Erection in the Zucker Obese-Diabetic Rat. <i>Journal of Sexual Medicine</i> , 2007, 4, 348-363.	0.3	78
9	Mast cells contribute to altered vascular reactivity and ischemia-reperfusion injury following cerium oxide nanoparticle instillation. <i>Nanotoxicology</i> , 2011, 5, 531-545.	1.6	75
10	Novel Murine Model of Chronic Granulomatous Lung Inflammation Elicited by Carbon Nanotubes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 858-866.	1.4	72
11	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-R1579.	0.9	58
12	Effect of ambient particulate matter exposure on hemostasis. <i>Translational Research</i> , 2007, 149, 324-332.	2.2	56
13	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, 3471-3486.	1.3	53
14	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-R1152.	0.9	47
15	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-C602.	2.1	45
16	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.	2.8	45
17	PI3-kinase/Akt modulates vascular smooth muscle tone via cAMP signaling pathways. <i>Journal of Applied Physiology</i> , 2001, 91, 1819-1827.	1.2	44
18	Basic Science Evidence for the Link Between Erectile Dysfunction and Cardiometabolic Dysfunction. <i>Journal of Sexual Medicine</i> , 2015, 12, 2233-2255.	0.3	43

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19	Translational Perspective on the Role of Testosterone in Sexual Function and Dysfunction. <i>Journal of Sexual Medicine</i> , 2016, 13, 1183-1198.	0.3	42
20	Cardiac and Vasular Changes in Mice After Exposure to Ultrafine Particulate Matter. <i>Inhalation Toxicology</i> , 2007, 19, 67-73.	0.8	38
21	The role of PPAR $\delta$ in carbon nanotube-elicited granulomatous lung inflammation. <i>Respiratory Research</i> , 2013, 14, 7.	1.4	38
22	Phosphorylation events associated with cyclic nucleotidedependent inhibition of smooth muscle contraction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H931-H939.	1.5	37
23	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.	1.4	37
24	Multi-walled carbon nanotubes inhibit regenerative axon growth of dorsal root ganglia neurons of mice. <i>Neuroscience Letters</i> , 2012, 507, 72-77.	1.0	34
25	Pulmonary instillation of multi-walled carbon nanotubes promotes coronary vasoconstriction and exacerbates injury in isolated hearts. <i>Nanotoxicology</i> , 2014, 8, 38-49.	1.6	33
26	C60 Exposure Augments Cardiac Ischemia/Reperfusion Injury and Coronary Artery Contraction in Sprague Dawley Rats. <i>Toxicological Sciences</i> , 2014, 138, 365-378.	1.4	33
27	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.	0.8	32
28	Impact of pulmonary exposure to gold core silver nanoparticles of different size and capping agents on cardiovascular injury. <i>Particle and Fibre Toxicology</i> , 2015, 13, 48.	2.8	32
29	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-R434.	0.9	31
30	Distribution and biomarker of carbon-14 labeled fullerene C <sub>60</sub> ( <sup>14</sup> C(U)C <sub>60</sub> ) in pregnant and lactating rats and their offspring after maternal intravenous exposure. <i>Journal of Applied Toxicology</i> , 2015, 35, 1438-1451.	1.4	31
31	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.	1.3	29
32	Identification, cloning and functional characterization of novel beta-defensins in the rat ( <i>Rattus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.4	28
33	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, 865-871.	1.4	28
34	Changes in cardiopulmonary function induced by nanoparticles. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012, 4, 691-702.	3.3	26
35	Ultrafine Particulate Matter Increases Cardiac Ischemia/Reperfusion Injury via Mitochondrial Permeability Transition Pore. <i>Cardiovascular Toxicology</i> , 2017, 17, 441-450.	1.1	26
36	PVP formulated fullerene (C60) increases Rho-kinase dependent vascular tissue contractility in pregnant Sprague Dawley rats. <i>Reproductive Toxicology</i> , 2014, 49, 86-100.	1.3	25

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37	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, 269-278.	0.3	23
38	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.	0.3	21
39	Distribution and biomarkers of carbon-14 labeled fullerene C <sub>60</sub> ( <sup>14</sup> C(U)C <sub>60</sub> ) in female rats and mice for up to 30 days after intravenous exposure. <i>Journal of Applied Toxicology</i> , 2015, 35, 1452-1464.	1.4	21
40	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, 114-122.	2.0	19
41	Role of PKC $\alpha$ and PKC $\beta$ in phenylephrine-induced contraction of rat corpora cavernosa. <i>International Journal of Impotence Research</i> , 2004, 16, 325-333.	1.0	18
42	Peroxisome Proliferator-activated Receptor- $\beta$ 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.	1.4	17
43	Energetic cost of activation processes during contraction of swine arterial smooth muscle. <i>Journal of Physiology</i> , 1997, 501, 213-223.	1.3	16
44	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 &amp; Nanotechnology</i> , 2015, 06, .	1.1	16
45	Inhibition of Ca <sup>2+</sup> -dependent contraction in swine carotid artery by myosin kinase inhibitors. <i>General Pharmacology</i> , 1999, 32, 483-494.	0.7	15
46	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, 212-220.	1.0	15
47	Alveolar Macrophage ABCG1 Deficiency Promotes Pulmonary Granulomatous Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 332-340.	1.4	15
48	Calcium sensitization as a pharmacological target in vascular smooth-muscle regulation. <i>Current Opinion in Investigational Drugs</i> , 2005, 6, 920-33.	2.3	13
49	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-L154.	1.3	11
50	Inhibition of tonic contraction—a novel way to approach erectile dysfunction. <i>Journal of Andrology</i> , 2002, 23, S5-9.	2.0	11
51	Pulmonary allergic reactions impair systemic vascular relaxation in ragweed sensitive mice. <i>Vascular Pharmacology</i> , 2010, 53, 258-263.	1.0	10
52	Perfluorooctanoic acid-induced toxicity in primary cultures of chicken embryo cardiomyocytes. <i>Environmental Toxicology</i> , 2016, 31, 1580-1590.	2.1	10
53	Nitric Oxide and Catalase-sensitive Relaxation by Scutellarin in the Mouse Thoracic Aorta. <i>Journal of Cardiovascular Pharmacology</i> , 2009, 53, 66-76.	0.8	8
54	Airway Exposure to Modified Multi-walled Carbon Nanotubes Perturbs Cardiovascular Adenosinergic Signaling in Mice. <i>Cardiovascular Toxicology</i> , 2019, 19, 168-177.	1.1	7

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55	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.	1.1	6
56	Cardiac neural crest ablation alters aortic smooth muscle force and voltage-sensitive Ca <sup>2+</sup> responses. <i>Journal of Muscle Research and Cell Motility</i> , 2002, 23, 293-303.	0.9	3
57	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, 251-261.	1.4	2
58	Urotensin II alters vascular reactivity in animals subjected to volume overload. <i>Peptides</i> , 2010, 31, 2075-2082.	1.2	2
59	Particulate Exposure and Cardiovascular Inflammation. , 2013, , 103-130.		1
60	Larval Chironomidae (Diptera) of the Upper Tuscarawas River of Northeastern Ohio, U.S.A.. <i>Journal of Freshwater Ecology</i> , 1989, 5, 93-102.	0.5	0
61	Digital sampling of low fluid flow: application to coronary flow measurements. <i>Measurement Science and Technology</i> , 1990, 1, 303-306.	1.4	0
62	<title>Quantitative thermal gradient imaging of biological surfaces</title>. , 1991, , .		0
63	Nanoparticle Induced Chronic Granuloma Formation In Lungs Of Wild Type Mice: Is Osteopontin A Key Mediator?. , 2010, , .		0
64	Ten Days of Aerobic Exercise Enhances Aortic Endothelium Dependent Relaxation through Depressed NADPH-oxidase Activity. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 734.	0.2	0
65	Effect of scutellarin on contractile behavior of isolated thoracic aorta rings of the mouse. <i>FASEB Journal</i> , 2007, 21, A1160.	0.2	0