

Christopher A Desouza

List of Publications by Year in descending order

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108
papers

6,315
citations

126907

33
h-index

66911

78
g-index

108
all docs

108
docs citations

108
times ranked

6672
citing authors

#	ARTICLE	IF	CITATIONS
1	Aging, Habitual Exercise, and Dynamic Arterial Compliance. <i>Circulation</i> , 2000, 102, 1270-1275.	1.6	933
2	Regular Aerobic Exercise Prevents and Restores Age-Related Declines in Endothelium-Dependent Vasodilation in Healthy Men. <i>Circulation</i> , 2000, 102, 1351-1357.	1.6	760
3	Absence of Age-Related Increase in Central Arterial Stiffness in Physically Active Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 127-132.	2.4	419
4	Influence of sleep deprivation and circadian misalignment on cortisol, inflammatory markers, and cytokine balance. <i>Brain, Behavior, and Immunity</i> , 2015, 47, 24-34.	4.1	331
5	Habitual exercise and arterial aging. <i>Journal of Applied Physiology</i> , 2008, 105, 1323-1332.	2.5	300
6	Regular endurance exercise induces expansive arterial remodelling in the trained limbs of healthy men. <i>Journal of Physiology</i> , 2001, 534, 287-295.	2.9	200
7	Age-associated changes in cardiovagal baroreflex sensitivity are related to central arterial compliance. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H284-H289.	3.2	188
8	Influence of Metabolic Syndrome on Biomarkers of Oxidative Stress and Inflammation in Obese Adults. <i>Obesity</i> , 2006, 14, 2127-2131.	3.0	183
9	Blood pressure reductions with exercise and sodium restriction in postmenopausal women with elevated systolic pressure: role of arterial stiffness. <i>Journal of the American College of Cardiology</i> , 2001, 38, 506-513.	2.8	167
10	Greater rate of decline in maximal aerobic capacity with age in physically active vs. sedentary healthy women. <i>Journal of Applied Physiology</i> , 1997, 83, 1947-1953.	2.5	166
11	Regular aerobic exercise modulates age-associated declines in cardiovagal baroreflex sensitivity in healthy men. <i>Journal of Physiology</i> , 2000, 529, 263-271.	2.9	148
12	Endothelin-1 Vasoconstrictor Tone Increases With Age in Healthy Men But Can Be Reduced by Regular Aerobic Exercise. <i>Hypertension</i> , 2007, 50, 403-409.	2.7	144
13	Aging, exercise, and endothelial progenitor cell clonogenic and migratory capacity in men. <i>Journal of Applied Physiology</i> , 2007, 102, 847-852.	2.5	137
14	Elevated Levels of Circulating Cell Adhesion Molecules in Uncomplicated Essential Hypertension. <i>American Journal of Hypertension</i> , 1997, 10, 1335-1341.	2.0	127
15	Enhanced endothelin-1 system activity with overweight and obesity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H689-H695.	3.2	119
16	Elevated Heart Rate Variability in Physically Active Young and Older Adult Women. <i>Clinical Science</i> , 1998, 94, 579-584.	4.3	100
17	Age-related decreases in basal limb blood flow in humans: time course, determinants and habitual exercise effects. <i>Journal of Physiology</i> , 2001, 531, 573-579.	2.9	98
18	Physical Activity Status and Adverse Age-Related Differences in Coagulation and Fibrinolytic Factors in Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 362-368.	2.4	89

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19	Effects of ageing and regular aerobic exercise on endothelial fibrinolytic capacity in humans. <i>Journal of Physiology</i> , 2003, 546, 289-298.	2.9	71
20	Endothelial t-PA release is impaired in overweight and obese adults but can be improved with regular aerobic exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E807-E813.	3.5	71
21	Evidence for agonist-specific endothelial vasodilator dysfunction with ageing in healthy humans. <i>Journal of Physiology</i> , 2002, 542, 255-262.	2.9	67
22	Impaired Endothelium-Dependent Vasodilation in Normotensive and Normoglycemic Obese Adult Humans. <i>Journal of Cardiovascular Pharmacology</i> , 2006, 47, 310-313.	1.9	62
23	Regular Exercise and the Age-Related Decline in Resting Metabolic Rate in Women ¹ . <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 3208-3212.	3.6	61
24	The effect of a short-term low-carbohydrate, high-fat diet with or without postmeal walks on glycemic control and inflammation in type 2 diabetes: a randomized trial. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1210-R1219.	1.8	60
25	Sex differences in endothelin-1-mediated vasoconstrictor tone in middle-aged and older adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R261-R265.	1.8	52
26	Impaired endothelium-dependent vasodilation in overweight and obese adult humans is not limited to muscarinic receptor agonists. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H1685-H1692.	3.2	51
27	Endothelin-1 vasoconstriction and the age-related decline in endothelium-dependent vasodilatation in men. <i>Clinical Science</i> , 2011, 120, 485-491.	4.3	50
28	Association between hypertension and circulating vascular-related microRNAs. <i>Journal of Human Hypertension</i> , 2018, 32, 440-447.	2.2	46
29	Influence of Overweight and Obesity on Circulating Inflammation-Related microRNA. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2018, 7, 148-154.	1.2	44
30	Prehypertension Is Associated With Impaired Nitric Oxide-Mediated Endothelium-Dependent Vasodilation in Sedentary Adults. <i>American Journal of Hypertension</i> , 2011, 24, 976-981.	2.0	43
31	Short sleep duration is associated with enhanced endothelin-1 vasoconstrictor tone This article is one of a selection of papers published in the two-part special issue entitled 20 Years of Endothelin Research.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2010, 88, 777-781.	1.4	38
32	Insufficient sleep is associated with impaired nitric oxide-mediated endothelium-dependent vasodilation. <i>Atherosclerosis</i> , 2017, 265, 41-46.	0.8	37
33	Aging and endothelial progenitor cell telomere length in healthy men. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009, 47, 47-50.	2.3	36
34	Circulating Microparticles Are Elevated in Treated HIV-1 Infection and Are Deleterious to Endothelial Cell Function. <i>Journal of the American Heart Association</i> , 2019, 8, e011134.	3.7	36
35	Endothelial Progenitor Cell Function, Apoptosis, and Telomere Length in Overweight/Obese Humans. <i>Obesity</i> , 2010, 18, 1677-1682.	3.0	34
36	Aging Is Associated with a Proapoptotic Endothelial Progenitor Cell Phenotype. <i>Journal of Vascular Research</i> , 2011, 48, 408-414.	1.4	34

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37	Regular Aerobic Exercise, Without Weight Loss, Improves Endothelium-Dependent Vasodilation in Overweight and Obese Adults. <i>Obesity</i> , 2010, 18, 1667-1669.	3.0	33
38	Smaller differences in total and regional adiposity with age in women who regularly perform endurance exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998, 275, E626-E634.	3.5	30
39	Elevated Endothelin-1 Vasoconstrictor Tone in Prehypertensive Adults. <i>Canadian Journal of Cardiology</i> , 2012, 28, 347-353.	1.7	29
40	Blood pressure risk factors in healthy postmenopausal women: physical activity and hormone replacement. <i>Journal of Applied Physiology</i> , 1997, 82, 652-660.	2.5	28
41	Role of central circulatory factors in the fat-free mass-maximal aerobic capacity relation across age. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H1178-H1182.	3.2	28
42	CD31+ T cells represent a functionally distinct vascular T cell phenotype. <i>Blood Cells, Molecules, and Diseases</i> , 2010, 44, 74-78.	1.4	27
43	Regular aerobic exercise reduces endothelin-mediated vasoconstrictor tone in overweight and obese adults. <i>Experimental Physiology</i> , 2017, 102, 1133-1142.	2.0	27
44	Metabolic syndrome and endothelial fibrinolytic capacity in obese adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R39-R44.	1.8	26
45	Carbohydrate restriction with postmeal walking effectively mitigates postprandial hyperglycemia and improves endothelial function in type 2 diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H105-H113.	3.2	26
46	Insufficient sleep is associated with a proatherogenic circulating microRNA signature. <i>Experimental Physiology</i> , 2019, 104, 975-982.	2.0	26
47	Maximal aerobic capacity across age in healthy Hispanic and Caucasian women. <i>Journal of Applied Physiology</i> , 2001, 91, 1048-1054.	2.5	25
48	Human aging and CD31 ⁺ T-cell number, migration, apoptotic susceptibility, and telomere length. <i>Journal of Applied Physiology</i> , 2010, 109, 1756-1761.	2.5	23
49	Influence of sex on the number of circulating endothelial microparticles and microRNA expression in middle-aged adults. <i>Experimental Physiology</i> , 2017, 102, 894-900.	2.0	22
50	Acute heat stress reduces biomarkers of endothelial activation but not macro- or microvascular dysfunction in cervical spinal cord injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H722-H733.	3.2	22
51	Passive heat stress reduces circulating endothelial and platelet microparticles. <i>Experimental Physiology</i> , 2017, 102, 663-669.	2.0	20
52	Endothelial Release of Tissue-type Plasminogen Activator in the Human Forearm: Role of Nitric Oxide. <i>Journal of Cardiovascular Pharmacology</i> , 2003, 42, 311-314.	1.9	19
53	Basal Endothelial Nitric Oxide Release Is Preserved in Overweight and Obese Adults. <i>Obesity</i> , 2005, 13, 1303-1306.	4.0	19
54	Acute and chronic effects of oestrogen on endothelial tissue-type plasminogen activator release in postmenopausal women. <i>Journal of Physiology</i> , 2003, 551, 721-728.	2.9	17

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55	CD31+ T Cells, Endothelial Function and Cardiovascular Risk. <i>Heart Lung and Circulation</i> , 2011, 20, 659-662.	0.4	17
56	Metabolic syndrome and endothelin-1 mediated vasoconstrictor tone in overweight/obese adults. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 951-956.	3.4	17
57	Effects of HIV-1 gp120 and tat on endothelial cell senescence and senescence-associated microRNAs. <i>Physiological Reports</i> , 2018, 6, e13647.	1.7	17
58	Endothelial Nitric Oxide Synthase Inhibition Does Not Alter Endothelial Progenitor Cell Colony Forming Capacity or Migratory Activity. <i>Journal of Cardiovascular Pharmacology</i> , 2005, 46, 387-389.	1.9	16
59	High glucose derived endothelial microparticles increase active caspase-3 and reduce microRNA-Let-7a expression in endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 1026-1029.	2.1	16
60	Endothelin-1-induced endothelial microvesicles impair endothelial cell function. <i>Journal of Applied Physiology</i> , 2020, 128, 1497-1505.	2.5	16
61	Acute and chronic effects of vitamin C on endothelial fibrinolytic function in overweight and obese adult humans. <i>Journal of Physiology</i> , 2008, 586, 3525-3535.	2.9	15
62	Impaired fasting blood glucose is associated with increased endothelin-1 vasoconstrictor tone. <i>Atherosclerosis</i> , 2013, 229, 130-133.	0.8	15
63	Chronic Nebivolol Treatment Suppresses Endothelin-1 Mediated Vasoconstrictor Tone in Adults With Elevated Blood Pressure. <i>Hypertension</i> , 2016, 67, 1196-1204.	2.7	15
64	Influence of oral contraceptive use on endothelial t-PA release in healthy premenopausal women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 284, E90-E95.	3.5	14
65	Effects of HIV-1 gp120 and TAT-derived microvesicles on endothelial cell function. <i>Journal of Applied Physiology</i> , 2019, 126, 1242-1249.	2.5	14
66	Cerebral metabolism, oxidation and inflammation in severe passive hyperthermia with and without respiratory alkalosis. <i>Journal of Physiology</i> , 2020, 598, 943-954.	2.9	14
67	Regular aerobic exercise counteracts endothelial vasomotor dysfunction associated with insufficient sleep. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1080-H1088.	3.2	14
68	Gender Differences in Endothelial Tissue-Type Plasminogen Activator Release in Middle-Aged Adults. <i>Journal of the American College of Cardiology</i> , 2005, 45, 1547-1549.	2.8	13
69	Self-Reported Habitual Short Sleep Duration Is Associated with Endothelial Fibrinolytic Dysfunction in Men: A Preliminary Report. <i>Sleep</i> , 2013, 36, 183-188.	1.1	13
70	Ageing and endothelial progenitor cell release of proangiogenic cytokines. <i>Age and Ageing</i> , 2010, 39, 268-272.	1.6	12
71	Influence of habitual high dietary fat intake on endothelium-dependent vasodilation. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 711-715.	1.9	12
72	Influence of Abdominal Obesity on Vascular Endothelial Function in Overweight/Obese Adult Men. <i>Obesity</i> , 2011, 19, 1742-1746.	3.0	11

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73	Global REACH 2018: dysfunctional extracellular microvesicles in Andean highlander males with excessive erythrocytosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1851-H1861.	3.2	10
74	Influence of Dietary Saturated Fat Intake on Endothelial Fibrinolytic Capacity in Adults. <i>American Journal of Cardiology</i> , 2014, 114, 783-788.	1.6	9
75	Effects of HIV-1 gp120 and Protease Inhibitors on Apoptotic Susceptibility of CD34+ Hematopoietic Progenitor Cells. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2011, 56, e49-e50.	2.1	8
76	Circulating endothelial cell derived microvesicles are elevated with hypertension and associated with endothelial dysfunction. <i>Canadian Journal of Physiology and Pharmacology</i> , 2020, 98, 557-561.	1.4	8
77	Relation of C-Reactive Protein to Endothelial Fibrinolytic Function in Healthy Adults. <i>American Journal of Cardiology</i> , 2011, 108, 1675-1679.	1.6	7
78	Nitric Oxide-Mediated Endothelium-Dependent Vasodilation Is Impaired with Borderline High-LDL Cholesterol. <i>Clinical and Translational Science</i> , 2012, 5, 21-26.	3.1	7
79	Influence of Elevated Levels of C-Reactive Protein on Circulating Endothelial Progenitor Cell Function. <i>Clinical and Translational Science</i> , 2014, 7, 137-140.	3.1	7
80	Endothelial vasodilator function in normal-weight adults with metabolic syndrome. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 1013-1017.	1.9	7
81	High glucose-induced endothelial microparticles increase adhesion molecule expression on endothelial cells. <i>Diabetology International</i> , 2019, 10, 143-147.	1.4	7
82	Habitual short sleep duration and circulating endothelial progenitor cells. <i>Journal of Cardiovascular Disease Research (discontinued)</i> , 2011, 2, 110-114.	0.1	6
83	Effects of circulating extracellular microvesicles from spinal cord-injured adults on endothelial cell function. <i>Clinical Science</i> , 2020, 134, 777-789.	4.3	6
84	Elevations in C-reactive protein and endothelin-1 system activity in humans. <i>Life Sciences</i> , 2016, 159, 66-70.	4.3	5
85	Nebivolol, But Not Metoprolol, Treatment Improves Endothelial Fibrinolytic Capacity in Adults With Elevated Blood Pressure. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	5
86	Effects of endothelin-1 on endothelial progenitor cell function. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012, 50, 1121-4.	2.3	4
87	Negative Influence of Insufficient Sleep on Endothelial Vasodilator and Fibrinolytic Function in Hypertensive Adults. <i>Hypertension</i> , 2021, 78, 1829-1840.	2.7	3
88	Estrogen receptor- β thymidine and adenine repeat polymorphism and endothelial fibrinolytic regulation in postmenopausal women. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 193, 366-370.	1.3	2
89	Global REACH 2018: Influence of excessive erythrocytosis on coagulation and fibrinolytic factors in Andean highlanders. <i>Experimental Physiology</i> , 2021, 106, 1335-1342.	2.0	1
90	Aging and EPC Release of Proangiogenic Factors. <i>FASEB Journal</i> , 2008, 22, 746.11.	0.5	1

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91	CD31+ T Cells Represent a Functionally Distinct Vascular T Cell Phenotype. FASEB Journal, 2009, 23, 625.15.	0.5	1
92	Abstract 388: Regular Aerobic Exercise Enhances Endothelium tPA Release in Adults With HIV-1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	2.4	1
93	Endothelin-1 system activity in adults with borderline high ldl-cholesterol. Artery Research, 2014, 8, 115.	0.6	0
94	Effects of endothelin-1 on endothelial progenitor cell function. FASEB Journal, 2009, 23, 965.14.	0.5	0
95	Aging and Vascular Progenitor Cells. FASEB Journal, 2009, 23, 420.2.	0.5	0
96	Influence of Aging on Angiogenic T cells. FASEB Journal, 2010, 24, 774.18.	0.5	0
97	Short Sleep Duration and Endothelial Progenitor Cell Function. FASEB Journal, 2010, 24, 1058.13.	0.5	0
98	Impaired Nitric Oxide Mediated Endothelium-Dependent Vasodilation with Suboptimal LDL Cholesterol. FASEB Journal, 2011, 25, 1103.5.	0.5	0
99	Impaired Fasting Glucose and Enhanced Endothelin-1 Vasoconstrictor Tone. FASEB Journal, 2012, 26, 869.17.	0.5	0
100	Effects Of Circulating C-reactive Protein Levels On EPC Function. FASEB Journal, 2012, 26, 680.1.	0.5	0
101	Abstract 350: Influence of HIV-1 Infection and Antiretroviral Therapy on the Coagulation System. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0
102	Abstract 386: Circulating Endothelial Microparticles, Elevated Blood Pressure and Endothelin-1 Mediated Vasoconstrictor Tone. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	2.4	0
103	Endothelial Nitric Oxide Blockade Influences Endothelial microRNA Expression. FASEB Journal, 2018, 32, 902.12.	0.5	0
104	Glucose-Derived Microparticles Induce Adhesion Molecule Surface Expression on Endothelial Cells. FASEB Journal, 2018, 32, 902.3.	0.5	0
105	Effect of Lowering Blood Pressure on Circulating Danger-Associated Molecular Patterns in Hypertensive Adults. FASEB Journal, 2018, 32, 715.15.	0.5	0
106	Influence of Insufficient Sleep On Circulating microRNAs in Middle-Aged Adults. FASEB Journal, 2018, 32, 905.5.	0.5	0
107	Effects of HIV-1 gp120 and TAT on Endothelial Microparticle Release and Oxidative Stress. FASEB Journal, 2018, 32, 618.12.	0.5	0
108	Effect of 17 β -Estradiol on Endothelial Cell Expression of Inflammation-Related miRNAs. FASEB Journal, 2018, 32, 753.4.	0.5	0