

Johannes J Van Lieshout

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186
papers

8,314
citations

51
h-index

86
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209
ext. papers

9,145
ext. citations

5.1
avg, IF

5.75
L-index

#	Paper	IF	Citations
186	Syncope, cerebral perfusion, and oxygenation. <i>Journal of Applied Physiology</i> , 2003 , 94, 833-48	3.7	294
185	Non-invasive pulsatile arterial pressure and stroke volume changes from the human finger. <i>Experimental Physiology</i> , 2005 , 90, 437-46	2.4	291
184	Management of vasovagal syncope: controlling or aborting faints by leg crossing and muscle tensing. <i>Circulation</i> , 2002 , 106, 1684-9	16.7	271
183	The vasovagal response. <i>Clinical Science</i> , 1991 , 81, 575-86	6.5	259
182	Cerebral blood flow and metabolism during exercise: implications for fatigue. <i>Journal of Applied Physiology</i> , 2008 , 104, 306-14	3.7	256
181	Continuous stroke volume monitoring by modelling flow from non-invasive measurement of arterial pressure in humans under orthostatic stress. <i>Clinical Science</i> , 1999 , 97, 291-301	6.5	239
180	Noninvasive continuous arterial blood pressure monitoring with Nexfin [®] . <i>Anesthesiology</i> , 2012 , 116, 1092-103	4.3	213
179	Assessment of middle cerebral artery diameter during hypocapnia and hypercapnia in humans using ultra-high-field MRI. <i>Journal of Applied Physiology</i> , 2014 , 117, 1084-9	3.7	206
178	Impaired cerebral autoregulation in patients with malignant hypertension. <i>Circulation</i> , 2004 , 110, 2241-51	6.7	190
177	Human cerebral venous outflow pathway depends on posture and central venous pressure. <i>Journal of Physiology</i> , 2004 , 560, 317-27	3.9	181
176	Continuous cardiac output in septic shock by simulating a model of the aortic input impedance: a comparison with bolus injection thermodilution. <i>Anesthesiology</i> , 1999 , 90, 1317-28	4.3	181
175	Nexfin noninvasive continuous blood pressure validated against Riva-Rocci/Korotkoff. <i>American Journal of Hypertension</i> , 2009 , 22, 378-83	2.3	167
174	Pulse contour cardiac output derived from non-invasive arterial pressure in cardiovascular disease. <i>Anaesthesia</i> , 2010 , 65, 1119-25	6.6	163
173	Peripheral circulation. <i>Comprehensive Physiology</i> , 2012 , 2, 321-447	7.7	160
172	Lactate fuels the human brain during exercise. <i>FASEB Journal</i> , 2008 , 22, 3443-9	0.9	158
171	Capillary-oxygenation-level-dependent near-infrared spectrometry in frontal lobe of humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 1082-93	7.3	157
170	Dynamic cerebral autoregulation in acute lacunar and middle cerebral artery territory ischemic stroke. <i>Stroke</i> , 2005 , 36, 2595-600	6.7	146

169	Physical manoeuvres for combating orthostatic dizziness in autonomic failure. <i>Lancet, The</i> , 1992 , 339, 897-8	40	131
168	Muscle tensing during standing: effects on cerebral tissue oxygenation and cerebral artery blood velocity. <i>Stroke</i> , 2001 , 32, 1546-51	6.7	130
167	Middle cerebral artery blood velocity depends on cardiac output during exercise with a large muscle mass. <i>Acta Physiologica Scandinavica</i> , 1998 , 162, 13-20		124
166	Physical manoeuvres that reduce postural hypotension in autonomic failure. <i>Clinical Autonomic Research</i> , 1993 , 3, 57-65	4.3	121
165	Cause and mechanisms of intracranial atherosclerosis. <i>Circulation</i> , 2014 , 130, 1407-14	16.7	117
164	Noninvasive continuous hemodynamic monitoring. <i>Journal of Clinical Monitoring and Computing</i> , 2012 , 26, 267-78	2	107
163	Point:Counterpoint: Sympathetic activity does/does not influence cerebral blood flow. Point: Sympathetic activity does influence cerebral blood flow. <i>Journal of Applied Physiology</i> , 2008 , 105, 1364-6	3.7	107
162	Beat-to-beat noninvasive stroke volume from arterial pressure and Doppler ultrasound. <i>European Journal of Applied Physiology</i> , 2003 , 90, 131-7	3.4	107
161	Treatment of orthostatic hypotension with sleeping in the head-up tilt position, alone and in combination with fludrocortisone. <i>Journal of Internal Medicine</i> , 1992 , 232, 139-45	10.8	106
160	Fludrocortisone and sleeping in the head-up position limit the postural decrease in cardiac output in autonomic failure. <i>Clinical Autonomic Research</i> , 2000 , 10, 35-42	4.3	102
159	Finger arterial versus intrabrachial pressure and continuous cardiac output during head-up tilt testing in healthy subjects. <i>Clinical Science</i> , 1996 , 91, 193-200	6.5	102
158	Orthostatic tolerance, cerebral oxygenation, and blood velocity in humans with sympathetic failure. <i>Stroke</i> , 2000 , 31, 1608-14	6.7	97
157	Effects of leg muscle pumping and tensing on orthostatic arterial pressure: a study in normal subjects and patients with autonomic failure. <i>Clinical Science</i> , 1994 , 87, 553-8	6.5	96
156	Middle cerebral artery blood velocity during a valsalva maneuver in the standing position. <i>Journal of Applied Physiology</i> , 2000 , 88, 1545-50	3.7	87
155	Hemodynamic effects of leg crossing and skeletal muscle tensing during free standing in patients with vasovagal syncope. <i>Journal of Applied Physiology</i> , 2005 , 98, 584-90	3.7	83
154	Cerebral perfusion, oxygenation and metabolism during exercise in young and elderly individuals. <i>Journal of Physiology</i> , 2013 , 591, 1859-70	3.9	78
153	Continuous stroke volume monitoring by modelling flow from non-invasive measurement of arterial pressure in humans under orthostatic stress. <i>Clinical Science</i> , 1999 , 97, 291	6.5	75
152	Continuous stroke volume monitoring by modelling flow from non-invasive measurement of arterial pressure in humans under orthostatic stress. <i>Clinical Science</i> , 1999 , 97, 291-301	6.5	74

151	Dynamic cerebral autoregulatory capacity is affected early in Type 2 diabetes. <i>Clinical Science</i> , 2008 , 115, 255-62	6.5	71
150	The postural reduction in middle cerebral artery blood velocity is not explained by PaCO ₂ . <i>European Journal of Applied Physiology</i> , 2006 , 96, 609-14	3.4	68
149	Middle cerebral artery diameter changes during rhythmic handgrip exercise in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 2921-2927	7.3	67
148	Time course analysis of baroreflex sensitivity during postural stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H2864-74	5.2	66
147	Leg crossing, muscle tensing, squatting, and the crash position are effective against vasovagal reactions solely through increases in cardiac output. <i>Journal of Applied Physiology</i> , 2005 , 99, 1697-703	3.7	66
146	Middle cerebral artery blood velocity during intense static exercise is dominated by a Valsalva maneuver. <i>Journal of Applied Physiology</i> , 2003 , 94, 1335-44	3.7	65
145	Assessment of cardiovascular reflexes: influence of posture and period of preceding rest. <i>Journal of Applied Physiology</i> , 1990 , 68, 147-53	3.7	63
144	Postural effects on cardiac output and mixed venous oxygen saturation in humans. <i>Experimental Physiology</i> , 2003 , 88, 611-6	2.4	62
143	Jugular venous overflow of noradrenaline from the brain: a neurochemical indicator of cerebrovascular sympathetic nerve activity in humans. <i>Journal of Physiology</i> , 2009 , 587, 2589-97	3.9	60
142	Tidal volume, cardiac output and functional residual capacity determine end-tidal CO ₂ transient during standing up in humans. <i>Journal of Physiology</i> , 2004 , 554, 579-90	3.9	60
141	Circulatory response evoked by a 3 s bout of dynamic leg exercise in humans. <i>Journal of Physiology</i> , 1996 , 494 (Pt 2), 601-11	3.9	59
140	Stroke volume of the heart and thoracic fluid content during head-up and head-down tilt in humans. <i>Acta Anaesthesiologica Scandinavica</i> , 2005 , 49, 1287-92	1.9	58
139	Continuous cardiac output by pulse contour analysis?. <i>British Journal of Anaesthesia</i> , 2001 , 86, 467-9	5.4	57
138	Cerebrovascular reserve capacity is impaired in patients with sickle cell disease. <i>Blood</i> , 2009 , 114, 3473-82	2.2	55
137	Extracellular fluid volume expansion in patients with posturally related syncope. <i>Clinical Autonomic Research</i> , 2002 , 12, 242-9	4.3	53
136	Cardiovascular response to coughing: its value in the assessment of autonomic nervous control. <i>Clinical Science</i> , 1989 , 77, 305-10	6.5	52
135	Middle cerebral artery blood velocity during exercise in patients with atrial fibrillation. <i>Clinical Physiology</i> , 1999 , 19, 284-9		51
134	Cerebral autoregulation dynamics in endurance-trained individuals. <i>Journal of Applied Physiology</i> , 2011 , 110, 1327-33	3.7	45

133	Leg crossing improves orthostatic tolerance in healthy subjects: a placebo-controlled crossover study. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H1768-72	5.2	44
132	Estimation of beat-to-beat changes in stroke volume from arterial pressure: a comparison of two pressure wave analysis techniques during head-up tilt testing in young, healthy men. <i>Clinical Autonomic Research</i> , 1999 , 9, 185-92	4.3	43
131	Acute dysautonomia associated with Hodgkin's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1986 , 49, 830-2	5.5	43
130	Spectrum of orthostatic disorders: classification based on an analysis of the short-term circulatory response upon standing. <i>Clinical Science</i> , 1991 , 81, 241-8	6.5	42
129	Intensive blood pressure control affects cerebral blood flow in type 2 diabetes mellitus patients. <i>Hypertension</i> , 2011 , 57, 738-45	8.5	40
128	Noninvasive blood pressure measurement by the Nexfin monitor during reduced arterial pulsatility: a feasibility study. <i>ASAIO Journal</i> , 2010 , 56, 221-7	3.6	38
127	Mechanisms underlying the impairment in orthostatic tolerance after nocturnal recumbency in patients with autonomic failure. <i>Clinical Science</i> , 2001 , 101, 609-618	6.5	36
126	Dynamics of circulatory adjustments to head-up tilt and tilt-back in healthy and sympathetically denervated subjects. <i>Clinical Science</i> , 1998 , 94, 347-52	6.5	36
125	Cerebral hemodynamics during treatment with sodium nitroprusside versus labetalol in malignant hypertension. <i>Hypertension</i> , 2008 , 52, 236-40	8.5	35
124	Management of initial orthostatic hypotension: lower body muscle tensing attenuates the transient arterial blood pressure decrease upon standing from squatting. <i>Clinical Science</i> , 2007 , 113, 401-7	6.5	35
123	Hyperventilation, cerebral perfusion, and syncope. <i>Journal of Applied Physiology</i> , 2014 , 116, 844-51	3.7	34
122	Techniques of cardiac output measurement during liver transplantation: arterial pulse wave versus thermodilution. <i>Liver Transplantation</i> , 2009 , 15, 287-91	4.5	33
121	Normovolaemia defined by central blood volume and venous oxygen saturation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005 , 32, 901-10	3	33
120	Neural circulatory control in vasovagal syncope. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1997 , 20, 753-63	1.6	32
119	MCA Vmean and the arterial lactate-to-pyruvate ratio correlate during rhythmic handgrip. <i>Journal of Applied Physiology</i> , 2006 , 101, 1406-11	3.7	32
118	Noninvasive cardiac output monitoring during exercise testing: Nexfin pulse contour analysis compared to an inert gas rebreathing method and respired gas analysis. <i>Journal of Clinical Monitoring and Computing</i> , 2011 , 25, 315-21	2	31
117	A definition of normovolaemia and consequences for cardiovascular control during orthostatic and environmental stress. <i>European Journal of Applied Physiology</i> , 2010 , 109, 141-57	3.4	31
116	Reversible coma due to intrathecal baclofen. <i>Lancet, The</i> , 1986 , 2, 696	4.0	31

115	Impaired cerebral blood flow and oxygenation during exercise in type 2 diabetic patients. <i>Physiological Reports</i> , 2015 , 3, e12430	2.6	30
114	Transient influence of end-tidal carbon dioxide tension on the postural restraint in cerebral perfusion. <i>Journal of Applied Physiology</i> , 2009 , 107, 816-23	3.7	30
113	Dynamic cerebral autoregulation in homozygous Sickle cell disease. <i>Stroke</i> , 2009 , 40, 808-14	6.7	28
112	Pitfalls in the assessment of cardiovascular reflexes in patients with sympathetic failure but intact vagal control. <i>Clinical Science</i> , 1989 , 76, 523-8	6.5	28
111	Heterogeneity and prediction of hemodynamic responses to dobutamine in patients with septic shock. <i>Critical Care Medicine</i> , 2006 , 34, 2392-8	1.4	27
110	Twenty-four-hour non-invasive monitoring of systemic haemodynamics and cerebral blood flow velocity in healthy humans. <i>Acta Physiologica Scandinavica</i> , 2002 , 175, 1-9		26
109	Orthostatic blood pressure control before and after spaceflight, determined by time-domain baroreflex method. <i>Journal of Applied Physiology</i> , 2005 , 98, 1682-90	3.7	26
108	Differences in circulatory control in normal subjects who faint and who do not faint during orthostatic stress. <i>Clinical Autonomic Research</i> , 1993 , 3, 117-24	4.3	26
107	Orthostatic leg blood volume changes assessed by near-infrared spectroscopy. <i>Experimental Physiology</i> , 2012 , 97, 353-61	2.4	25
106	Hypovolemia explains the reduced stroke volume at altitude. <i>Physiological Reports</i> , 2013 , 1, e00094	2.6	25
105	Reconstruction of brachial pressure from finger arterial pressure during orthostasis. <i>Journal of Hypertension</i> , 2004 , 22, 1873-80	1.9	24
104	Hemodynamic effects of intermittent manual lung hyperinflation in patients with septic shock. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2000 , 29, 356-66	2.6	24
103	The assessment of cardiovascular reflex activity: standardization is needed. <i>Diabetologia</i> , 1990 , 33, 182-30.3	3.0	24
102	Neurovascular coupling and cerebral autoregulation in atrial fibrillation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 1647-1657	7.3	24
101	Comparison of phase-contrast MR imaging and endovascular sonography for intracranial blood flow velocity measurements. <i>American Journal of Neuroradiology</i> , 2012 , 33, 1786-90	4.4	22
100	Effect of head rotation on cerebral blood velocity in the prone position. <i>Anesthesiology Research and Practice</i> , 2012 , 2012, 647258	1.1	21
99	Falls and medications in the elderly. <i>Netherlands Journal of Medicine</i> , 2005 , 63, 91-6	0.5	21
98	The siphon controversy: an integration of concepts and the brain as baffle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 289, R627-9	3.2	20

97	Circulatory responses to stand up: discrimination between the effects of respiration, orthostasis and exercise. <i>Clinical Physiology</i> , 1991 , 11, 221-30		20
96	Active standing reduces wave reflection in the presence of increased peripheral resistance in young and old healthy individuals. <i>Journal of Hypertension</i> , 2011 , 29, 682-9	1.9	19
95	Endotoxemia reduces cerebral perfusion but enhances dynamic cerebrovascular autoregulation at reduced arterial carbon dioxide tension. <i>Critical Care Medicine</i> , 2012 , 40, 1873-8	1.4	19
94	Arterial wave reflection decreases gradually from supine to upright. <i>Blood Pressure</i> , 2011 , 20, 370-5	1.7	18
93	Pathophysiological mechanisms underlying vasovagal syncope in young subjects. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1997 , 20, 2034-8	1.6	18
92	Optimizing squatting as a physical maneuver to prevent vasovagal syncope. <i>Clinical Autonomic Research</i> , 2008 , 18, 179-86	4.3	17
91	Effects of hyperglycemia on the cerebrovascular response to rhythmic handgrip exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H467-73	5.2	17
90	Assessment of methods to estimate impairment of vagal and sympathetic innervation of the heart in diabetic autonomic neuropathy. <i>Netherlands Journal of Medicine</i> , 1985 , 28, 383-92	0.5	17
89	Novel Methods for Quantification of Vasodepression and Cardioinhibition During Tilt-Induced Vasovagal Syncope. <i>Circulation Research</i> , 2020 , 127, e126-e138	15.7	16
88	Aging modifies the effect of cardiac output on middle cerebral artery blood flow velocity. <i>Physiological Reports</i> , 2017 , 5, e13361	2.6	16
87	Effects of aging on the cerebrovascular orthostatic response. <i>Neurobiology of Aging</i> , 2011 , 32, 344-53	5.6	16
86	Both acute and prolonged administration of EPO reduce cerebral and systemic vascular conductance in humans. <i>FASEB Journal</i> , 2012 , 26, 1343-8	0.9	15
85	Contrasting effects of isocapnic and hypocapnic hyperventilation on orthostatic circulatory control. <i>Journal of Applied Physiology</i> , 2008 , 105, 1069-75	3.7	15
84	Frontal lobe oxygenation is maintained during hypotension following propofol-fentanyl anesthesia. <i>AANA Journal</i> , 2009 , 77, 271-6	0.5	15
83	Central and cerebrovascular effects of leg crossing in humans with sympathetic failure. <i>Clinical Science</i> , 2010 , 118, 573-81	6.5	14
82	Mechanisms underlying the impairment in orthostatic tolerance after nocturnal recumbency in patients with autonomic failure. <i>Clinical Science</i> , 2001 , 101, 609	6.5	14
81	The cerebrovascular response to lower-body negative pressure vs. head-up tilt. <i>Journal of Applied Physiology</i> , 2017 , 122, 877-883	3.7	13
80	Middle cerebral artery blood velocity during running. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013 , 23, e32-7	4.6	13

79	In vivo interaction of endotoxin and recombinant bactericidal/permeability-increasing protein (rBPI23): hemodynamic effects in a human endotoxemia model. <i>Translational Research</i> , 2002 , 140, 228-35		13
78	Arterial Pressure Variation as a Biomarker of Preload Dependency in Spontaneously Breathing Subjects - A Proof of Principle. <i>PLoS ONE</i> , 2015 , 10, e0137364	3.7	13
77	Cerebral autoregulatory performance and the cerebrovascular response to head-of-bed positioning in acute ischaemic stroke. <i>European Journal of Neurology</i> , 2018 , 25, 1365-e117	6	13
76	Design of the ExCersion-VCI study: The effect of aerobic exercise on cerebral perfusion in patients with vascular cognitive impairment. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017 , 3, 157-165	6	12
75	Impaired Cerebrovascular Reactivity in Patients With Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 1230-1232	15.1	12
74	Last Word on Point:Counterpoint: Sympathetic activity does/does not influence cerebral blood flow. <i>Journal of Applied Physiology</i> , 2008 , 105, 1374	3.7	12
73	The fainting lark. <i>Clinical Autonomic Research</i> , 2002 , 12, 207	4.3	12
72	Investigation and treatment of autonomic circulatory failure. <i>Current Opinion in Neurology and Neurosurgery</i> , 1993 , 6, 537-43		12
71	Arterial pressure variations as parameters of brain perfusion in response to central blood volume depletion and repletion. <i>Frontiers in Physiology</i> , 2014 , 5, 157	4.6	11
70	Coincidental severe Plasmodium falciparum infection and disseminated candidiasis. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1993 , 87, 288-9	2	11
69	Singing-induced hypotension: a complication of a high spinal cord lesion. <i>Netherlands Journal of Medicine</i> , 1991 , 38, 75-9	0.5	11
68	Systemic and cerebral circulatory adjustment within the first 60s after active standing: An integrative physiological view. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2021 , 231, 102756	2.4	11
67	Determinants of vascular and cardiac baroreflex sensitivity values in a random population sample. <i>Medical and Biological Engineering and Computing</i> , 2014 , 52, 65-73	3.1	10
66	Cerebrovascular and cardiovascular responses associated with orthostatic intolerance and tachycardia. <i>Clinical Autonomic Research</i> , 2001 , 11, 35-8	4.3	10
65	Exercise training and orthostatic intolerance: a paradox?. <i>Journal of Physiology</i> , 2003 , 551, 401	3.9	9
64	Varying the heart rate response to dynamic exercise in pacemaker-dependent subjects: effects on cardiac output and cerebral blood velocity. <i>Clinical Science</i> , 2005 , 109, 493-501	6.5	9
63	Partial inhibition of nitric oxide synthesis in vivo does not inhibit glucose production in man. <i>Metabolism: Clinical and Experimental</i> , 2002 , 51, 57-64	12.7	9
62	Circulatory autonomic failure 50 years after acute poliomyelitis. <i>Clinical Autonomic Research</i> , 1991 , 1, 215-7	4.3	9

61	Contrasting effects of acute and chronic volume expansion on orthostatic blood pressure control in a patient with autonomic circulatory failure. <i>Netherlands Journal of Medicine</i> , 1991 , 39, 72-83	0.5	9
60	Orthostatic hypotension caused by sympathectomies performed for hyperhidrosis. <i>Netherlands Journal of Medicine</i> , 1990 , 36, 53-7	0.5	9
59	Bilateral kidney rupture with severe retroperitoneal bleeding in polyarteritis nodosa. <i>Netherlands Journal of Medicine</i> , 1989 , 35, 260-6	0.5	9
58	Impaired nocturnal blood pressure dipping in patients with type 2 diabetes mellitus. <i>Hypertension Research</i> , 2019 , 42, 59-66	4.7	9
57	Abnormal haemodynamic postural response in patients with chronic heart failure. <i>ESC Heart Failure</i> , 2017 , 4, 146-153	3.7	8
56	Bridging cardiovascular physics, physiology, and clinical practice: Karel H. Wesseling, pioneer of continuous noninvasive hemodynamic monitoring. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H153-6	5.2	8
55	The effect of haemodynamic and peripheral vascular variability on cardiac output monitoring: thermodilution and non-invasive pulse contour cardiac output during cardiothoracic surgery. <i>Anaesthesia</i> , 2018 , 73, 1489-1499	6.6	8
54	Baroreflex sensitivity is higher during acute psychological stress in healthy subjects under βadrenergic blockade. <i>Clinical Science</i> , 2011 , 120, 161-7	6.5	8
53	Blood pressure reduction after gastric bypass surgery is explained by a decrease in cardiac output. <i>Journal of Applied Physiology</i> , 2017 , 122, 223-229	3.7	7
52	Heart rate during haemorrhage: time for reappraisal. <i>Journal of Physiology</i> , 2010 , 588, 19	3.9	7
51	Dynamic cerebral autoregulation and monitoring cerebral perfusion. <i>Hypertension</i> , 2010 , 56, 189-90	8.5	7
50	Green urine, but no infection. <i>Lancet, The</i> , 2009 , 374, 1566	4.0	7
49	Comparison of the time courses and potencies of the vasodilator effects of nifedipine and felodipine in the human forearm. <i>Blood Pressure</i> , 2001 , 10, 217-22	1.7	7
48	Tracking of cardiac output from arterial pulse wave. <i>Clinical Science</i> , 2003 , 104, 239; author reply 240	6.5	7
47	Support Vector Machine Based Monitoring of Cardio-Cerebrovascular Reserve during Simulated Hemorrhage. <i>Frontiers in Physiology</i> , 2017 , 8, 1057	4.6	6
46	Blood Pressure Increase during Oxygen Supplementation in Chronic Kidney Disease Patients Is Mediated by Vasoconstriction Independent of Baroreflex Function. <i>Frontiers in Physiology</i> , 2017 , 8, 186	4.6	6
45	Cardiovascular consequence of reclining vs. sitting beach-chair body position for induction of anesthesia. <i>Frontiers in Physiology</i> , 2014 , 5, 187	4.6	6
44	Novel method for intraoperative assessment of cerebral autoregulation by paced breathing. <i>British Journal of Anaesthesia</i> , 2017 , 119, 1141-1149	5.4	5

43	Hypovolemic shock222-230		5
42	Case report: (Pre)syncopal symptoms associated with a negative internal jugular venous pressure. <i>Frontiers in Physiology</i> , 2014 , 5, 317	4.6	5
41	Resistance exercise and control of cerebral blood flow in type 2 diabetes. <i>Diabetologia</i> , 2008 , 51, 1755-610.3		5
40	Perfusion of the human brain: a matter of interactions. <i>Journal of Physiology</i> , 2003 , 551, 402	3.9	5
39	Assessment of cardiovascular reflexes is of limited value in predicting maximal +Gz-tolerance. <i>Aviation, Space, and Environmental Medicine</i> , 1992 , 63, 21-6		5
38	Detecting central hypovolemia in simulated hypovolemic shock by automated feature extraction with principal component analysis. <i>Physiological Reports</i> , 2018 , 6, e13895	2.6	5
37	Sevoflurane based anaesthesia does not affect already impaired cerebral autoregulation in patients with type 2 diabetes mellitus. <i>British Journal of Anaesthesia</i> , 2018 , 121, 1298-1307	5.4	5
36	Central versus peripheral blood pressure in malignant hypertension; effects of antihypertensive treatment. <i>American Journal of Hypertension</i> , 2013 , 26, 574-9	2.3	4
35	The cerebrovascular pressure-flow relationship: a simple concept but a complex phenomenon. <i>Hypertension</i> , 2010 , 56, e2; author reply e3	8.5	4
34	Cerebral autoregulation and CO2 responsiveness of the brain. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H2018; author reply H2019	5.2	4
33	Hyperadrenergic syndrome with hypertension, hypotension and myocardial necrosis in tetanus. <i>Netherlands Journal of Medicine</i> , 1988 , 33, 33-6	0.5	4
32	Clinical Fluid Therapy in the Perioperative Setting166-176		4
31	Aortic valve calcification volumes and chronic brain infarctions in patients undergoing transcatheter aortic valve implantation. <i>International Journal of Cardiovascular Imaging</i> , 2019 , 35, 2123-2133	2.5	3
30	β ₂ -adrenergic receptor genotype influences the effect of nonselective vs. selective β ₁ blockade on baroreflex function in chronic heart failure. <i>International Journal of Cardiology</i> , 2011 , 153, 230-2	3.2	3
29	Continuous cardiac output monitoring by blood pressure analysis. <i>Journal of Applied Physiology</i> , 2007 , 102, 826; author reply 827	3.7	3
28	Monitoring of goal-directed fluid challenge. <i>Critical Care Medicine</i> , 2007 , 35, 673; author reply 673-4	1.4	3
27	Cardiovascular instability and baroreflex activity in a patient with tetanus. <i>Clinical Autonomic Research</i> , 1991 , 1, 5-8	4.3	3
26	Cardiovascular Response Patterns to Sympathetic Stimulation by Central Hypovolemia. <i>Frontiers in Physiology</i> , 2016 , 7, 235	4.6	3

25	Cerebral Blood Flow in Patients with Severe Aortic Valve Stenosis Undergoing Transcatheter Aortic Valve Implantation. <i>Journal of the American Geriatrics Society</i> , 2021 , 69, 494-499	5.6	3
24	A machine-learning based analysis for the recognition of progressive central hypovolemia. <i>Physiological Measurement</i> , 2017 , 38, 1791-1801	2.9	2
23	Cardiac oxygen supply is compromised during the night in hypertensive patients. <i>Medical and Biological Engineering and Computing</i> , 2011 , 49, 1073-81	3.1	2
22	Parasympathetic control of blood flow to the activated human brain. <i>Experimental Physiology</i> , 2010 , 95, 980-1	2.4	2
21	Orthostatic blood pressure control in MarfanQ syndrome. <i>Europace</i> , 2005 , 7, 25-7	3.9	2
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