Pawel J Winklewski

List of Publications by Citations

71 papers	2,682 citations	18 h-index	51 g-index
76 ext. papers	3,062 ext. citations	4.2 avg, IF	4.98 L-index

#	Paper	IF	Citations
71	Selective potentiation of peripheral chemoreflex sensitivity in obstructive sleep apnea. *Circulation*, **1999**, 99, 1183-9	16.7	415
70	Nocturnal continuous positive airway pressure decreases daytime sympathetic traffic in obstructive sleep apnea. *Circulation*, **1999**, 100, 2332-5	16.7	380
69	Contribution of tonic chemoreflex activation to sympathetic activity and blood pressure in patients with obstructive sleep apnea. *Circulation*, **1998**, 97, 943-5	16.7	326
68	Baroreflex control of sympathetic nerve activity and heart rate in obstructive sleep apnea. *Hypertension*, **1998**, 32, 1039-43	8.5	183
67	The sympathetic nervous system and obstructive sleep apnea: implications for hypertension. *Journal of Hypertension*, **1997**, 15, 1613-9	1.9	172
66	Understanding the Physiopathology Behind Axial and Radial Diffusivity Changes-What Do We Know?. *Frontiers in Neurology*, **2018**, 9, 92	4.1	161
65	Position paper on the management of patients with obstructive sleep apnea and hypertension: joint recommendations by the European Society of Hypertension, by the European Respiratory Society and by the members of European COST (COoperation in Scientific and Technological research) ACTION B26 on obstructive sleep apnea. *Journal of Hypertension*, **2012**, 30, 633-46	1.9	144
64	Sustained sympathetic and blood pressure reduction 1 year after renal denervation in patients with resistant hypertension. *Hypertension*, **2014**, 64, 118-24	8.5	110
63	Blood-brain barrier permeability and physical exercise. *Journal of Neuroinflammation*, **2019**, 16, 15	10.1	81
62	Arterial stiffness, central hemodynamics, and cardiovascular risk in hypertension. *Vascular Health and Risk Management*, **2011**, 7, 725-39	4.4	73
61	Brain inflammation and hypertension: the chicken or the egg?. *Journal of Neuroinflammation*, **2015**, 12, 85	10.1	69
60	Cross-talk between the inflammatory response, sympathetic activation and pulmonary infection in the ischemic stroke. *Journal of Neuroinflammation*, **2014**, 11, 213	10.1	50
59	Influence of acute jugular vein compression on the cerebral blood flow velocity, pial artery pulsation and width of subarachnoid space in humans. *PLoS ONE*, **2012**, 7, e48245	3.7	32
58	Dietary Fat and Cancer-Which Is Good, Which Is Bad, and the Body of Evidence. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	24
57	A Pilot Study on the Effects of l-Carnitine and Trimethylamine-N-Oxide on Platelet Mitochondrial DNA Methylation and CVD Biomarkers in Aged Women. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	24
56	Cerebral blood flow, sympathetic nerve activity and stroke risk in obstructive sleep apnoea. Is there a direct link?. *Blood Pressure*, **2013**, 22, 27-33	1.7	21
55	Effect of beta-blocker therapy on heart rate response in patients with hypertension and newly diagnosed untreated obstructive sleep apnea syndrome. *International Journal of Cardiology*, **2016**, 202, 67-72	3.2	20

54	Subarachnoid space: new tricks by an old dog. *PLoS ONE*, **2012**, 7, e37529	3.7	19
53	2015 guidelines for the management of hypertension. Recommendations of the Polish Society of Hypertension - short version. *Kardiologia Polska*, **2015**, 73, 676-700	0.9	17
52	Neuroinflammatory mechanisms of hypertension: potential therapeutic implications. *Current Opinion in Nephrology and Hypertension*, **2016**, 25, 410-6	3.5	16
51	Autonomic nervous system in acute kidney injury. *Clinical and Experimental Pharmacology and Physiology*, **2017**, 44, 162-171	3	14
50	Effect of Maximal Apnoea Easy-Going and Struggle Phases on Subarachnoid Width and Pial Artery Pulsation in Elite Breath-Hold Divers. *PLoS ONE*, **2015**, 10, e0135429	3.7	14
49	Stress Response, Brain Noradrenergic System and Cognition. *Advances in Experimental Medicine and Biology*, **2017**, 980, 67-74	3.6	13
48	Effect of oxygen on neuronal excitability measured by critical flicker fusion frequency is dose dependent. *Journal of Clinical and Experimental Neuropsychology*, **2015**, 37, 276-84	2.1	13
47	Effects of melatonin on low-dose lipopolysaccharide-induced oxidative stress in mouse liver, muscle, and kidney. *Canadian Journal of Physiology and Pharmacology*, **2018**, 96, 1153-1160	2.4	13
46	Melatonin Restores White Blood Cell Count, Diminishes Glycated Haemoglobin Level and Prevents Liver, Kidney and Muscle Oxidative Stress in Mice Exposed to Acute Ethanol Intoxication. *Alcohol and Alcoholism*, **2017**, 52, 521-528	3.5	12
45	Impact of slow breathing on the blood pressure and subarachnoid space width oscillations in humans. *Scientific Reports*, **2019**, 9, 6232	4.9	12
44	Wavelet transform analysis to assess oscillations in pial artery pulsation at the human cardiac frequency. *Microvascular Research*, **2015**, 99, 86-91	3.7	12
43	Melatonin and Metformin Diminish Oxidative Stress in Heart Tissue in a Rat Model of High Fat Diet and Mammary Carcinogenesis. *Advances in Experimental Medicine and Biology*, **2018**, 1047, 7-19	3.6	12
42	Effects of the Valsalva maneuver on pial artery pulsation and subarachnoid width in healthy adults. *Microvascular Research*, **2011**, 82, 369-73	3.7	12
41	Human subarachnoid space width oscillations in the resting state. *Scientific Reports*, **2018**, 8, 3057	4.9	11
40	Flow-induced changes in pial artery compliance registered with a non-invasive method in rabbits. *Microvascular Research*, **2011**, 82, 156-62	3.7	11
39	Use of Near Infrared Transillumination / Back Scattering Sounding (NIR-T/BSS) to assess effects of elevated intracranial pressure on width of subarachnoid space and cerebrovascular pulsation in animals. *Acta Neurobiologiae Experimentalis*, **2011**, 71, 313-21	1	11
38	Effects of diving and oxygen on autonomic nervous system and cerebral blood flow. *Diving and Hyperbaric Medicine*, **2013**, 43, 148-56	1	11
37	Effects of acute hypercapnia on the amplitude of cerebrovascular pulsation in humans registered with a non-invasive method. *Microvascular Research*, **2012**, 83, 229-36	3.7	10

36	Assessing changes in pial artery resistance and subarachnoid space width using a non-invasive method in healthy humans during the handgrip test. *Acta Neurobiologiae Experimentalis*, **2012**, 72, 80-8	1	10
35	Central sympathetic nervous system reinforcement in obstructive sleep apnoea. *Sleep Medicine Reviews*, **2018**, 39, 143-154	10.2	9
34	Exercise Strategies to Counteract Brain Aging Effects. *Advances in Experimental Medicine and Biology*, **2017**, 1020, 69-79	3.6	8
33	Acute hypoxia diminishes the relationship between blood pressure and subarachnoid space width oscillations at the human cardiac frequency. *PLoS ONE*, **2017**, 12, e0172842	3.7	8
32	Long-term effects of device-guided slow breathing in stable heart failure patients with reduced ejection fraction. *Clinical Research in Cardiology*, **2019**, 108, 48-60	6.1	8
31	Carotid Artery Stenting and Blood-Brain Barrier Permeability in Subjects with Chronic Carotid Artery Stenosis. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	8
30	Pial artery and subarachnoid width response to apnoea in normal humans. *Journal of Hypertension*, **2015**, 33, 1811-7; discussion 1817-8	1.9	8
29	Sympathetic Activation Does Not Affect the Cardiac and Respiratory Contribution to the Relationship between Blood Pressure and Pial Artery Pulsation Oscillations in Healthy Subjects. *PLoS ONE*, **2015**, 10, e0135751	3.7	8
28	The Influence of Articular Cartilage Thickness Reduction on Meniscus Biomechanics. *PLoS ONE*, **2016**, 11, e0167733	3.7	8
27	Increased inspiratory resistance affects the dynamic relationship between blood pressure changes and subarachnoid space width oscillations. *PLoS ONE*, **2017**, 12, e0179503	3.7	7
26	Oscillations of Subarachnoid Space Width as a Potential Marker of Cerebrospinal Fluid Pulsatility. *Advances in Experimental Medicine and Biology*, **2018**, 1070, 37-47	3.6	7
25	Melatonin diminishes oxidative stress in plasma, retains erythrocyte resistance and restores white blood cell count after low dose lipopolysaccharide exposure in mice. *General Physiology and Biophysics*, **2018**, 37, 571-580	2.1	7
24	Optimizing the Management of Uncontrolled/Resistant Hypertension. The Importance of Sleep Apnoea Syndrome. *Current Vascular Pharmacology*, **2017**, 16, 44-53	3.3	6
23	Influence of C-Terminal Modifications of Bradykinin Antagonists on Their Activity. *Collection of Czechoslovak Chemical Communications*, **1997**, 62, 1940-1946		6
22	Near-infrared transillumination back scattering sounding--new method to assess brain microcirculation in patients with chronic carotid artery stenosis. *PLoS ONE*, **2013**, 8, e61936	3.7	6
21	Liver mitochondrial respiratory plasticity and oxygen uptake evoked by cobalt chloride in rats with low and high resistance to extreme hypobaric hypoxia. *Canadian Journal of Physiology and Pharmacology*, **2019**, 97, 392-399	2.4	5
20	Assessment of the Relationship between the Shape of the Lateral Meniscus and the Risk of Extrusion Based on MRI Examination of the Knee Joint. *PLoS ONE*, **2016**, 11, e0159156	3.7	5
19	Relevance of Immune-Sympathetic Nervous System Interplay for the Development of Hypertension. *Advances in Experimental Medicine and Biology*, **2016**, 884, 37-43	3.6	4

18	Current understanding of the effects of inspiratory resistance on the interactions between systemic blood pressure, cerebral perfusion, intracranial pressure, and cerebrospinal fluid dynamics. *Journal of Applied Physiology*, **2019**, 127, 1206-1214	3.7	4
17	Critical Flicker Fusion Frequency: A Narrative Review. *Medicina (Lithuania)*, **2021**, 57,	3.1	4
16	Impact of Hyperbaric Oxygen Therapy on Cognitive Functions: a Systematic Review. *Neuropsychology Review*, **2021**, 1	7.7	4
15	Modelling of subarachnoid space width changes in apnoea resulting as a function of blood flow parameters. *Microvascular Research*, **2017**, 113, 16-21	3.7	3
14	Liver antioxidant and aerobic status improves after metformin and melatonin administration in a rat model of high-fat diet and mammary carcinogenesis. *Canadian Journal of Physiology and Pharmacology*, **2018**, 96, 790-797	2.4	3
13	Intracranial region of the vertebral artery: morphometric study in the context of clinical usefulness. *Folia Morphologica*, **2017**, 76, 379-387	0.9	3
12	Coupling of Blood Pressure and Subarachnoid Space Oscillations at Cardiac Frequency Evoked by Handgrip and Cold Tests: A Bispectral Analysis. *Advances in Experimental Medicine and Biology*, **2019**, 1133, 9-18	3.6	3
11	Perfusion computed tomography: 4 cm versus 8 cm coverage size in subjects with chronic carotid artery stenosis. *British Journal of Radiology*, **2016**, 89, 20150949	3.4	2
10	Morphometric evaluation of the delayed cerebral arteries response to acetazolamide test in patients with chronic carotid artery stenosis using computed tomography angiography. *Folia Morphologica*, **2017**, 76, 10-14	0.9	2
9	Coupling between Blood Pressure and Subarachnoid Space Width Oscillations during Slow Breathing. *Entropy*, **2021**, 23,	2.8	2
8	Theophylline therapy for Cheyne-Stokes respiration during sleep in a 41-year-old man with refractory arterial hypertension. *Chest*, **2014**, 146, e8-e10	5.3	1
7	Computed tomography indicators of cerebral microperfusion improve long term after carotid stenting in symptomatic patients. *Acta Biochimica Polonica*, **2019**, 66, 229-236	2	1
6	Comparison of near infrared spectroscopy (NIRS) and near-infrared transillumination-backscattering sounding (NIR-T/BSS) methods. *Scientific Reports*, **2020**, 10, 18668	4.9	1
5	Commentary on using critical flicker fusion frequency to measure gas narcosis. *Diving and Hyperbaric Medicine*, **2021**, 51, 227-228	1	1
4	The interconnection of high-fat diets, oxidative stress, the heart, and carcinogenesis **2021**, 111-120		1
3	Mild poikilocapnic hypoxia increases very low frequency haemoglobin oxygenation oscillations in prefrontal cortex.. *Biological Research*, **2021**, 54, 39	7.6	0
2	Melatonin maintains the function of the blood redox system at combined ethanol-induced toxicity and subclinical inflammation in mice. *Sleep and Breathing*, **2021**, 25, 1045-1054	3.1	
1	Regional resting state perfusion variability and delayed cerebrovascular uniform reactivity in subjects with chronic carotid artery stenosis. *Acta Biochimica Polonica*, **2018**, 65, 151-162	2	