

Pawel J Winklewski

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

3,425
citations

361296

20
h-index

143943

57
g-index

76
all docs

76
docs citations

76
times ranked

4081
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Potentiation of Peripheral Chemoreflex Sensitivity in Obstructive Sleep Apnea. <i>Circulation</i> , 1999, 99, 1183-1189.	1.6	468
2	Nocturnal Continuous Positive Airway Pressure Decreases Daytime Sympathetic Traffic in Obstructive Sleep Apnea. <i>Circulation</i> , 1999, 100, 2332-2335.	1.6	438
3	Contribution of Tonic Chemoreflex Activation to Sympathetic Activity and Blood Pressure in Patients With Obstructive Sleep Apnea. <i>Circulation</i> , 1998, 97, 943-945.	1.6	361
4	Understanding the Physiopathology Behind Axial and Radial Diffusivity Changes—What Do We Know?. <i>Frontiers in Neurology</i> , 2018, 9, 92.	1.1	297
5	Baroreflex Control of Sympathetic Nerve Activity and Heart Rate in Obstructive Sleep Apnea. <i>Hypertension</i> , 1998, 32, 1039-1043.	1.3	211
6	The sympathetic nervous system and obstructive sleep apnea. <i>Journal of Hypertension</i> , 1997, 15, 1613-1619.	0.3	204
7	Position paper on the management of patients with obstructive sleep apnea and hypertension. <i>Journal of Hypertension</i> , 2012, 30, 633-646.	0.3	179
8	Blood-brain barrier permeability and physical exercise. <i>Journal of Neuroinflammation</i> , 2019, 16, 15.	3.1	148
9	Sustained Sympathetic and Blood Pressure Reduction 1 Year After Renal Denervation in Patients With Resistant Hypertension. <i>Hypertension</i> , 2014, 64, 118-124.	1.3	132
10	Arterial stiffness, central hemodynamics, and cardiovascular risk in hypertension. <i>Vascular Health and Risk Management</i> , 2011, 7, 725.	1.0	86
11	Brain inflammation and hypertension: the chicken or the egg?. <i>Journal of Neuroinflammation</i> , 2015, 12, 85.	3.1	86
12	Dietary Fat and Cancer—Which Is Good, Which Is Bad, and the Body of Evidence. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4114.	1.8	73
13	Cross-talk between the inflammatory response, sympathetic activation and pulmonary infection in the ischemic stroke. <i>Journal of Neuroinflammation</i> , 2014, 11, 213.	3.1	66
14	Influence of Acute Jugular Vein Compression on the Cerebral Blood Flow Velocity, Pial Artery Pulsation and Width of Subarachnoid Space in Humans. <i>PLoS ONE</i> , 2012, 7, e48245.	1.1	38
15	A Pilot Study on the Effects of L-Carnitine and Trimethylamine-N-Oxide on Platelet Mitochondrial DNA Methylation and CVD Biomarkers in Aged Women. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1047.	1.8	34
16	Effect of beta-blocker therapy on heart rate response in patients with hypertension and newly diagnosed untreated obstructive sleep apnea syndrome. <i>International Journal of Cardiology</i> , 2016, 202, 67-72.	0.8	27
17	Impact of slow breathing on the blood pressure and subarachnoid space width oscillations in humans. <i>Scientific Reports</i> , 2019, 9, 6232.	1.6	24
18	2015 guidelines for the management of hypertension. Recommendations of the Polish Society of Hypertension — short version. <i>Kardiologia Polska</i> , 2015, 73, 676-700.	0.3	24

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19	Cerebral blood flow, sympathetic nerve activity and stroke risk in obstructive sleep apnoea. Is there a direct link?. <i>Blood Pressure</i> , 2013, 22, 27-33.	0.7	22
20	Impact of Hyperbaric Oxygen Therapy on Cognitive Functions: a Systematic Review. <i>Neuropsychology Review</i> , 2022, 32, 99-126.	2.5	22
21	Critical Flicker Fusion Frequency: A Narrative Review. <i>Medicina (Lithuania)</i> , 2021, 57, 1096.	0.8	22
22	Subarachnoid Space: New Tricks by an Old Dog. <i>PLoS ONE</i> , 2012, 7, e37529.	1.1	21
23	R1 autonomic nervous system in acute kidney injury. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 162-171.	0.9	20
24	Neuroinflammatory mechanisms of hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 2016, 25, 410-416.	1.0	18
25	Human subarachnoid space width oscillations in the resting state. <i>Scientific Reports</i> , 2018, 8, 3057.	1.6	18
26	Stress Response, Brain Noradrenergic System and Cognition. <i>Advances in Experimental Medicine and Biology</i> , 2017, 980, 67-74.	0.8	17
27	Effects of melatonin on low-dose lipopolysaccharide-induced oxidative stress in mouse liver, muscle, and kidney. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 1153-1160.	0.7	17
28	Effect of oxygen on neuronal excitability measured by critical flicker fusion frequency is dose dependent. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2015, 37, 276-284.	0.8	16
29	Long-term effects of device-guided slow breathing in stable heart failure patients with reduced ejection fraction. <i>Clinical Research in Cardiology</i> , 2019, 108, 48-60.	1.5	16
30	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. <i>Alcohol and Alcoholism</i> , 2017, 52, 521-528.	0.9	15
31	Effect of Maximal Apnoea Easy-Going and Struggle Phases on Subarachnoid Width and Pial Artery Pulsation in Elite Breath-Hold Divers. <i>PLoS ONE</i> , 2015, 10, e0135429.	1.1	14
32	Melatonin and Metformin Diminish Oxidative Stress in Heart Tissue in a Rat Model of High Fat Diet and Mammary Carcinogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1047, 7-19.	0.8	14
33	The Influence of Articular Cartilage Thickness Reduction on Meniscus Biomechanics. <i>PLoS ONE</i> , 2016, 11, e0167733.	1.1	14
34	Wavelet transform analysis to assess oscillations in pial artery pulsation at the human cardiac frequency. <i>Microvascular Research</i> , 2015, 99, 86-91.	1.1	13
35	Flow-induced changes in pial artery compliance registered with a non-invasive method in rabbits. <i>Microvascular Research</i> , 2011, 82, 156-162.	1.1	12
36	Effects of the Valsalva maneuver on pial artery pulsation and subarachnoid width in healthy adults. <i>Microvascular Research</i> , 2011, 82, 369-373.	1.1	12

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37	Liver mitochondrial respiratory plasticity and oxygen uptake evoked by cobalt chloride in rats with low and high resistance to extreme hypobaric hypoxia. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 392-399.	0.7	12
38	Carotid Artery Stenting and Bloodâ€“Brain Barrier Permeability in Subjects with Chronic Carotid Artery Stenosis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1008.	1.8	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. <i>Acta Neurobiologiae Experimentalis</i> , 2011, 71, 313-21.	0.4	11
40	Assessing changes in pial artery resistance and subarachnoid space width using a non-invasive method in healthy humans during the handgrip test. <i>Acta Neurobiologiae Experimentalis</i> , 2012, 72, 80-8.	0.4	11
41	Effects of diving and oxygen on autonomic nervous system and cerebral blood flow. <i>Diving and Hyperbaric Medicine</i> , 2013, 43, 148-56.	0.2	11
42	Effects of acute hypercapnia on the amplitude of cerebrovascular pulsation in humans registered with a non-invasive method. <i>Microvascular Research</i> , 2012, 83, 229-236.	1.1	10
43	Relevance of Immune-Sympathetic Nervous System Interplay for the Development of Hypertension. <i>Advances in Experimental Medicine and Biology</i> , 2015, 884, 37-43.	0.8	10
44	Exercise Strategies to Counteract Brain Aging Effects. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1020, 69-79.	0.8	9
45	Acute hypoxia diminishes the relationship between blood pressure and subarachnoid space width oscillations at the human cardiac frequency. <i>PLoS ONE</i> , 2017, 12, e0172842.	1.1	9
46	Liver antioxidant and aerobic status improves after metformin and melatonin administration in a rat model of high-fat diet and mammary carcinogenesis. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 790-797.	0.7	9
47	Central sympathetic nervous system reinforcement in obstructive sleep apnoea. <i>Sleep Medicine Reviews</i> , 2018, 39, 143-154.	3.8	9
48	Pial artery and subarachnoid width response to apnoea in normal humans. <i>Journal of Hypertension</i> , 2015, 33, 1811-1818.	0.3	8
49	Optimizing the Management of Uncontrolled/Resistant Hypertension. The Importance of Sleep Apnoea Syndrome. <i>Current Vascular Pharmacology</i> , 2017, 16, 44-53.	0.8	8
50	Increased inspiratory resistance affects the dynamic relationship between blood pressure changes and subarachnoid space width oscillations. <i>PLoS ONE</i> , 2017, 12, e0179503.	1.1	8
51	Oscillations of Subarachnoid Space Width as a Potential Marker of Cerebrospinal Fluid Pulsatility. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1070, 37-47.	0.8	8
52	Melatonin diminishes oxidative stress in plasma, retains erythrocyte resistance and restores white blood cell count after low-dose lipopolysaccharide exposure in mice. <i>General Physiology and Biophysics</i> , 2018, 37, 571-580.	0.4	8
53	Sympathetic Activation Does Not Affect the Cardiac and Respiratory Contribution to the Relationship between Blood Pressure and Pial Artery Pulsation Oscillations in Healthy Subjects. <i>PLoS ONE</i> , 2015, 10, e0135751.	1.1	8
54	Influence of C-Terminal Modifications of Bradykinin Antagonists on Their Activity. <i>Collection of Czechoslovak Chemical Communications</i> , 1997, 62, 1940-1946.	1.0	7

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55	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.	1.1	7
56	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.	1.2	7
57	Comparison of near infrared spectroscopy (NIRS) and near-infrared transillumination-backscattering sounding (NIR-T/BSS) methods. Scientific Reports, 2020, 10, 18668.	1.6	7
58	Near-Infrared Transillumination Back Scattering Sounding – New Method to Assess Brain Microcirculation in Patients with Chronic Carotid Artery Stenosis. PLoS ONE, 2013, 8, e61936.	1.1	6
59	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, 2018, 1133, 9-18.	0.8	4
60	Coupling between Blood Pressure and Subarachnoid Space Width Oscillations during Slow Breathing. Entropy, 2021, 23, 113.	1.1	4
61	Intracranial region of the vertebral artery: morphometric study in the context of clinical usefulness. Folia Morphologica, 2017, 76, 379-387.	0.4	4
62	Arginine Vasopressin, Synaptic Plasticity, and Brain Networks. Current Neuropharmacology, 2022, 20, 2292-2302.	1.4	4
63	Mild poikilopapnic hypoxia increases very low frequency haemoglobin oxygenation oscillations in prefrontal cortex. Biological Research, 2021, 54, 39.	1.5	4
64	Modelling of subarachnoid space width changes in apnoea resulting as a function of blood flow parameters. Microvascular Research, 2017, 113, 16-21.	1.1	3
65	Theophylline Therapy for Cheyne-Stokes Respiration During Sleep in a 41-Year-Old Man With Refractory Arterial Hypertension. Chest, 2014, 146, e8-e10.	0.4	2
66	Perfusion computed tomography: 4â€‰%cm <i>versus</i> 8â€‰%cm coverage size in subjects with chronic carotid artery stenosis. British Journal of Radiology, 2016, 89, 20150949.	1.0	2
67	The interconnection of high-fat diets, oxidative stress, the heart, and carcinogenesis. , 2021, , 111-120.		2
68	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.	0.4	2
69	Commentary on using critical flicker fusion frequency to measure gas narcosis. Diving and Hyperbaric Medicine, 2021, 51, 227-228.	0.2	1
70	Regional resting state perfusion variability and delayed cerebrovascular uniform reactivity in subjects with chronic carotid artery stenosis. Acta Biochimica Polonica, 2018, 65, 151-162.	0.3	0
71	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.	0.9	0
72	Modeling of Cardiac Component of Subarachnoid Space Changes in Apnoea Resulting as a Function of Blood Pressure and Blood Flow Parameters - Two Mechanizm of Regulation. , 2017, , .		0

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73	Próbna Valsavy zwińska czuła, skądowej przywspółczulnej odruchu spowodowanego odbarczeniem baroreceptorów u młodych zdrowych osób. <i>Arterial Hypertension</i> , 0, , .	0.2	0
74	Computed tomography indicators of cerebral microperfusion improve long term after carotid stenting in symptomatic patients. <i>Acta Biochimica Polonica</i> , 2019, 66, 229-236.	0.3	0
75	Reply to Vrijdag et al. Comment on Mankowska et al. Critical Flicker Fusion Frequency: A Narrative Review. <i>Medicina</i> 2021, 57, 1096; <i>Medicina (Lithuania)</i> , 2022, 58, 765.	0.8	0