

E Stepien

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

2,393
citations

27
h-index

44
g-index

150
ext. papers

2,916
ext. citations

4.5
avg, IF

4.99
L-index

#	Paper	IF	Citations
123	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015 , 31, 933-9	7.2	256
122	Reduced clot permeability and susceptibility to lysis in patients with acute coronary syndrome: effects of inflammation and oxidative stress. <i>Atherosclerosis</i> , 2008 , 196, 551-7	3.1	137
121	Hyperglycemia is associated with enhanced thrombin formation, platelet activation, and fibrin clot resistance to lysis in patients with acute coronary syndrome. <i>Diabetes Care</i> , 2008 , 31, 1590-5	14.6	115
120	Altered fibrin clot structure/function in patients with cryptogenic ischemic stroke. <i>Stroke</i> , 2009 , 40, 1499-501	6.7	99
119	Number of microparticles generated during acute myocardial infarction and stable angina correlates with platelet activation. <i>Archives of Medical Research</i> , 2012 , 43, 31-5	6.6	72
118	Fibrin clot properties are altered in patients with chronic obstructive pulmonary disease. Beneficial effects of simvastatin treatment. <i>Thrombosis and Haemostasis</i> , 2009 , 102, 1176-82	7	64
117	The circulating non-coding RNA landscape for biomarker research: lessons and prospects from cardiovascular diseases. <i>Acta Pharmacologica Sinica</i> , 2018 , 39, 1085-1099	8	61
116	Altered fibrin clot structure in patients with advanced coronary artery disease: a role of C-reactive protein, lipoprotein(a) and homocysteine. <i>Journal of Thrombosis and Haemostasis</i> , 2007 , 5, 1988-90	15.4	60
115	Lipoprotein(a) as a modifier of fibrin clot permeability and susceptibility to lysis. <i>Journal of Thrombosis and Haemostasis</i> , 2006 , 4, 973-5	15.4	53
114	Feasibility study of the positronium imaging with the J-PET tomograph. <i>Physics in Medicine and Biology</i> , 2019 , 64, 055017	3.8	52
113	Vascular complications in diabetes: Microparticles and microparticle associated microRNAs as active players. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 472, 1-10	3.4	47
112	Circulating ectosomes: Determination of angiogenic microRNAs in type 2 diabetes. <i>Theranostics</i> , 2018 , 8, 3874-3890	12.1	45
111	No-reflow phenomenon after acute myocardial infarction is associated with reduced clot permeability and susceptibility to lysis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2258-65	9.4	44
110	Zinc oxide nanoparticles impair the integrity of human umbilical vein endothelial cell monolayer in vitro. <i>Journal of Biomedical Nanotechnology</i> , 2012 , 8, 957-67	4	42
109	Folic acid administration and antibodies against homocysteinylated proteins in subjects with hyperhomocysteinemia. <i>Thrombosis and Haemostasis</i> , 2006 , 96, 342-7	7	39
108	Seasonal effects of central leptin infusion on secretion of melatonin and prolactin and on SOCS-3 gene expression in ewes. <i>Journal of Endocrinology</i> , 2008 , 198, 147-55	4.7	35
107	Angiopietin-2 Is an Early Indicator of Acute Pancreatic-Renal Syndrome in Patients with Acute Pancreatitis. <i>Mediators of Inflammation</i> , 2016 , 2016, 5780903	4.3	35

106	Serum levels of unique miR-551-5p and endothelial-specific miR-126a-5p allow discrimination of patients in the early phase of acute pancreatitis. <i>Pancreatology</i> , 2015 , 15, 344-51	3.8	31
105	Increased levels of bone remodeling biomarkers (osteoprotegerin and osteopontin) in hypertensive individuals. <i>Clinical Biochemistry</i> , 2011 , 44, 826-31	3.5	31
104	Effect of aortic valve stenosis on haemostasis is independent from vascular atherosclerotic burden. <i>Atherosclerosis</i> , 2009 , 204, e103-8	3.1	31
103	Prospects and Clinical Perspectives of Total-Body PET Imaging Using Plastic Scintillators. <i>PET Clinics</i> , 2020 , 15, 439-452	2.2	31
102	Deciphering the role of ectosomes in cancer development and progression: focus on the proteome. <i>Clinical and Experimental Metastasis</i> , 2017 , 34, 273-289	4.7	29
101	The Clinical Trial Landscape for Melanoma Therapies. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	28
100	Multimarker approach in discriminating patients with symptomatic and asymptomatic atherosclerotic carotid artery stenosis. <i>Journal of Clinical Neurology (Korea)</i> , 2013 , 9, 165-75	1.7	28
99	Extracellular Vesicles as Drug Delivery Systems - Methods of Production and Potential Therapeutic Applications. <i>Current Pharmaceutical Design</i> , 2019 , 25, 132-154	3.3	28
98	Decision-making microRNAs (miR-124, -133a/b, -34a and -134) in patients with occluded target vessel in acute coronary syndrome. <i>Kardiologia Polska</i> , 2016 , 74, 280-8	0.9	27
97	Extracellular vesicles participate in the transport of cytokines and angiogenic factors in diabetic patients with ocular complications. <i>Folia Medica Cracoviensia</i> , 2015 , 55, 35-48	0.5	26
96	Endothelial microparticle formation in moderate concentrations of homocysteine and methionine in vitro. <i>Cellular and Molecular Biology Letters</i> , 2011 , 16, 69-78	8.1	25
95	The increased plasma C-reactive protein and interleukin-6 levels in patients undergoing coronary artery bypass grafting surgery are associated with the interleukin-6-174G > C gene polymorphism. <i>Annals of Clinical Biochemistry</i> , 2010 , 47, 343-9	2.2	25
94	Contact guidance of chick embryo neurons on single scratches in glass and on underlying aligned human skin fibroblasts. <i>Cell Biology International</i> , 1999 , 23, 105-16	4.5	25
93	Stiffness memory of EA.hy926 endothelial cells in response to chronic hyperglycemia. <i>Cardiovascular Diabetology</i> , 2013 , 12, 96	8.7	24
92	Lactadherin: An unappreciated haemostasis regulator and potential therapeutic agent. <i>Vascular Pharmacology</i> , 2018 , 101, 21-28	5.9	22
91	Diagnostic and prognostic micro-RNAs in ischaemic stroke due to carotid artery stenosis and in acute coronary syndrome: a four-year prospective study. <i>Kardiologia Polska</i> , 2018 , 76, 362-369	0.9	22
90	3D visualization of extracellular vesicle uptake by endothelial cells. <i>Cellular and Molecular Biology Letters</i> , 2018 , 23, 57	8.1	21
89	Performance assessment of the ^{218}Po positronium imaging with the total-body PET scanners. <i>EJNMMI Physics</i> , 2020 , 7, 44	4.4	19

88	Osteoprotegerin and osteoprotegerin/TRAIL ratio are associated with cardiovascular dysfunction and mortality among patients with renal failure. <i>Advances in Medical Sciences</i> , 2016 , 61, 269-275	2.8	19
87	Relationship between carotid intima-media thickness, cytokines, atherosclerosis extent and a two-year cardiovascular risk in patients with arteriosclerosis. <i>Kardiologia Polska</i> , 2011 , 69, 1024-31	0.9	19
86	Microparticles, not only markers but also a therapeutic target in the early stage of diabetic retinopathy and vascular aging. <i>Expert Opinion on Therapeutic Targets</i> , 2012 , 16, 677-88	6.4	18
85	Urinary Extracellular Vesicles: Potential Biomarkers of Renal Function in Diabetic Patients. <i>Journal of Diabetes Research</i> , 2016 , 2016, 5741518	3.9	18
84	Elevated total homocysteine is associated with increased platelet activation at the site of microvascular injury: effects of folic acid administration. <i>Journal of Thrombosis and Haemostasis</i> , 2007 , 5, 1070-2	15.4	17
83	Human melanoma-derived ectosomes are enriched with specific glycan epitopes. <i>Life Sciences</i> , 2018 , 207, 395-411	6.8	15
82	Fibrinogen beta-chain -C148T polymorphism is associated with increased fibrinogen, C-reactive protein, and interleukin-6 in patients undergoing coronary artery bypass grafting. <i>Inflammation</i> , 2012 , 35, 429-35	5.1	15
81	Osteoprotegerin, but not osteopontin, as a potential predictor of vascular calcification in normotensive subjects. <i>Hypertension Research</i> , 2012 , 35, 531-8	4.7	15
80	Effects of simvastatin on angiogenic growth factors released at the site of microvascular injury. <i>Thrombosis and Haemostasis</i> , 2006 , 95, 1045-7	7	15
79	Markers of thrombogenesis and fibrinolysis and their relation to inflammation and endothelial activation in patients with idiopathic pulmonary arterial hypertension. <i>PLoS ONE</i> , 2013 , 8, e82628	3.7	15
78	Positronium imaging with the novel multiphoton PET scanner. <i>Science Advances</i> , 2021 , 7, eabh4394	14.3	15
77	Raman spectral signatures of urinary extracellular vesicles from diabetic patients and hyperglycemic endothelial cells as potential biomarkers in diabetes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 17, 137-149	6	14
76	Melanoma-Derived Extracellular Vesicles: Focus on Their Proteome. <i>Proteomes</i> , 2019 , 7,	4.6	14
75	Mass loss determination of wheat kernels infested by granary weevil from X-ray images. <i>Journal of Stored Products Research</i> , 2012 , 48, 19-24	2.5	14
74	Role of microRNAs in endothelial cell pathophysiology. <i>Polish Archives of Internal Medicine</i> , 2011 , 121, 361-367	1.9	14
73	Seasonal effects of central leptin infusion and prolactin treatment on pituitary SOCS-3 gene expression in ewes. <i>Journal of Endocrinology</i> , 2011 , 208, 81-8	4.7	13
72	A vitamin K epoxide reductase-oxidase complex gene polymorphism (-1639G>A) and interindividual variability in the dose-effect of vitamin K antagonists. <i>Journal of Applied Genetics</i> , 2009 , 50, 399-403	2.5	12
71	Architecture of intraluminal thrombus removed from abdominal aortic aneurysm. <i>Journal of Thrombosis and Thrombolysis</i> , 2010 , 30, 7-9	5.1	12

70	Platelet Reactivity And Circulating Platelet-Derived Microvesicles Are Differently Affected By P2Y Receptor Antagonists. <i>International Journal of Medical Sciences</i> , 2019 , 16, 264-275	3.7	12
69	Testing CPT symmetry in ortho-positronium decays with positronium annihilation tomography. <i>Nature Communications</i> , 2021 , 12, 5658	17.4	12
68	Circulating miRNA levels differ with respect to carotid plaque characteristics and symptom occurrence in patients with carotid artery stenosis and provide information on future cardiovascular events. <i>Postepy W Kardiologii Interwencyjnej</i> , 2018 , 14, 75-84	0.4	11
67	Immobilization and detection of platelet-derived extracellular vesicles on functionalized silicon substrate: cytometric and spectrometric approach. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 1109-1119	4.4	11
66	FepsilonRIalpha gene -18483A>C polymorphism affects transcriptional activity through YY1 binding. <i>Immunogenetics</i> , 2009 , 61, 649-55	3.2	11
65	Metformin attenuates adhesion between cancer and endothelial cells in chronic hyperglycemia by recovery of the endothelial glycocalyx barrier. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129533	4	10
64	Mass Spectrometry-Based Proteomic Characterization of Cutaneous Melanoma Ectosomes Reveals the Presence of Cancer-Related Molecules. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
63	Application of nano-LC-MALDI-TOF/TOF-MS for proteomic analysis of microvesicles. <i>Clinical Biochemistry</i> , 2017 , 50, 241-243	3.5	10
62	Titanium dioxide nanoparticles induce the expression of early and late receptors for adhesion molecules on monocytes. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 36	8.4	10
61	Effect of the E-selectin gene polymorphism (S149R) on platelet activation and adverse events after coronary artery surgery. <i>Archives of Medical Research</i> , 2011 , 42, 375-81	6.6	9
60	Beneficial effect of cigarette smoking cessation on fibrin clot properties. <i>Journal of Thrombosis and Thrombolysis</i> , 2011 , 32, 177-82	5.1	9
59	Tissue factor +5466A>G polymorphism determines thrombin formation following vascular injury and thrombin-lowering effects of simvastatin in patients with ischemic heart disease. <i>Atherosclerosis</i> , 2009 , 204, 567-72	3.1	9
58	Architecture of a pulmonary thrombus removed during embolectomy in a patient with acute pulmonary embolism. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 140, e40-1	1.5	9
57	Changes in morphology of human skin fibroblasts induced by local anaesthetics: role of actomyosin contraction. <i>European Journal of Pharmacology</i> , 1998 , 358, 235-44	5.3	9
56	Extracellular vesicles in post-infarct ventricular remodelling. <i>Kardiologia Polska</i> , 2018 , 76, 69-76	0.9	9
55	Simulating NEMA characteristics of the modular total-body J-PET scanner-an economic total-body PET from plastic scintillators. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	9
54	Thrombin formation and platelet activation at the site of vascular injury in patients with coronary artery disease treated with clopidogrel combined with aspirin. <i>Kardiologia Polska</i> , 2009 , 67, 591-8	0.9	9
53	An Insight into the Proteome of Uveal Melanoma-Derived Ectosomes Reveals the Presence of Potentially Useful Biomarkers. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8

52	Estimating relationship between the time over threshold and energy loss by photons in plastic scintillators used in the J-PET scanner. <i>EJNMMI Physics</i> , 2020 , 7, 39	4.4	8
51	Heydeß syndrome without a decrease in large von Willebrand factor multimers: A case of intestinal bleedings reversed by valve replacement in a patient with aortic stenosis. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 773-774	7	7
50	Plasma centrifugation does not influence thrombin-antithrombin and plasmin-antiplasmin levels but determines platelet microparticles count. <i>Biochemia Medica</i> , 2015 , 25, 222-9	2.5	7
49	Role of the Wnt signalling pathway in the development of endothelial disorders in response to hyperglycaemia. <i>Expert Reviews in Molecular Medicine</i> , 2019 , 21, e7	6.7	7
48	Fibrinogen and carotid intima media thickness determine fibrin density in different atherosclerosis extents. <i>International Journal of Cardiology</i> , 2012 , 157, 411-3	3.2	6
47	Factor XIII Val34Leu polymorphism and ischaemic stroke in patients with patent foramen ovale. <i>Thrombosis and Haemostasis</i> , 2009 , 102, 1280-2	7	6
46	Fibrinogen Krakow: A novel hypo/dysfibrinogenemia mutation in fibrinogen gamma chain (Asn325Ile) affecting fibrin clot structure and function. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 975-976 ⁷	7	6
45	Age effect on human aortic valvular glycoproteins. <i>Archives of Medical Research</i> , 2007 , 38, 495-502	6.6	6
44	Biochemical and hematological changes following the 120-km open-water marathon swim. <i>Journal of Sports Science and Medicine</i> , 2014 , 13, 632-7	2.7	6
43	Seasonal effect of vitamin D deficiency in patients with acute myocardial infarction. <i>Kardiologia Polska</i> , 2016 , 74, 786-792	0.9	6
42	Positronium life-time as a new approach for cardiac masses imaging. <i>European Heart Journal</i> , 2021 , 42,	9.5	5
41	Novel biomarker and drug delivery systems for theranosticsIIIextracellular vesicles. <i>Bio-Algorithms and Med-Systems</i> , 2022 , 17, 301-309	1.2	5
40	miRNAtools: Advanced Training Using the miRNA Web of Knowledge. <i>Non-coding RNA</i> , 2018 , 4,	7.1	4
39	Raman spectroscopy of urinary extracellular vesicles to stratify patients with chronic kidney disease in type 2 diabetes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022 , 39, 102468	6	4
38	3D TOF-PET image reconstruction using total variation regularization. <i>Physica Medica</i> , 2020 , 80, 230-242 ^{2.7}	2.7	4
37	Synchronization and Calibration of the 24-Modules J-PET Prototype With 300-mm Axial Field of View. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	4
36	Developing a Novel Positronium Biomarker for Cardiac Myxoma Imaging		4
35	Retinopathy severity correlates with RANTES concentrations and CCR 5-positive microvesicles in diabetes. <i>Folia Medica Cracoviensia</i> , 2019 , 59, 95-112	0.5	4

34	Positronium as a biomarker of hypoxia. <i>Bio-Algorithms and Med-Systems</i> , 2022 , 17, 311-319	1.2	4
33	Architecture of the thrombi removed from coronary artery bypass grafts in a patient with acute myocardial infarction. <i>Journal of Thrombosis and Thrombolysis</i> , 2010 , 30, 372-4	5.1	3
32	Factors influencing thrombin generation measured as thrombin-antithrombin complexes levels and using calibrated automated thrombogram in patients with advanced coronary artery disease. <i>Polish Archives of Internal Medicine</i> , 2007 , 117, 297-305	1.9	3
31	Adaptation of global hemostasis to therapeutic hypothermia in patients with out-of-hospital cardiac arrest: Thromboelastography study. <i>Cardiology Journal</i> , 2019 , 26, 77-86	1.4	3
30	Part One: Extracellular Vesicles as Valuable Players in Diabetic Cardiovascular Diseases 2020 ,		3
29	Low-Vacuum Filtration as an Alternative Extracellular Vesicle Concentration Method: A Comparison with Ultracentrifugation and Differential Centrifugation. <i>Pharmaceutics</i> , 2020 , 12,	6.4	3
28	Fourier-Transform InfraRed (FT-IR) spectroscopy to show alterations in molecular composition of EV subpopulations from melanoma cell lines in different malignancy. <i>Biochemistry and Biophysics Reports</i> , 2021 , 25, 100888	2.2	3
27	Impact of Chlamydia pneumoniae infection on survival rate after heart transplantation. <i>Medical Science Monitor</i> , 2003 , 9, CR67-72	3.2	3
26	Evaluation of the relationship between selected markers of the inflammatory process and aortic valve calcifications. <i>Acta Cardiologica</i> , 2004 , 59, 219-21	0.9	3
25	Nanomaterial Exposure, Extracellular Vesicle Biogenesis and Adverse Cellular Outcomes: A Scoping Review.. <i>Nanomaterials</i> , 2022 , 12,	5.4	3
24	Carboxylated and intact osteocalcin predict adiponectin concentration in hemodialyzed patients. <i>Renal Failure</i> , 2016 , 38, 451-7	2.9	2
23	Construction of the Vacuum Chambers for J-PET Experiments with Positron Annihilation. <i>Acta Physica Polonica B</i> , 2020 , 51, 293	1.9	2
22	Effects of Negative Pressure Wound Therapy on Levels of Angiopoetin-2 and Other Selected Circulating Signaling Molecules in Patients with Diabetic Foot Ulcer. <i>Journal of Diabetes Research</i> , 2019 , 2019, 1756798	3.9	2
21	Optimisation of the event-based TOF filtered back-projection for online imaging in total-body J-PET. <i>Medical Image Analysis</i> , 2021 , 73, 102199	15.4	2
20	Factor XIII Val34Leu polymorphism as a modulator of fibrin clot permeability and resistance to lysis in patients with severe coronary artery disease. <i>Kardiologia Polska</i> , 2009 , 67, 947-55	0.9	2
19	Architecture of intra-atrial thrombi in patients with severe mitral stenosis. <i>Journal of Heart Valve Disease</i> , 2009 , 18, 496-8		2
18	Architecture of a native mitral valve thrombus in a patient with hypereosinophilic syndrome. <i>Journal of Heart Valve Disease</i> , 2010 , 19, 596-8		2
17	Unparalleled and revolutionary impact of PET imaging on research and day to day practice of medicine. <i>Bio-Algorithms and Med-Systems</i> , 2022 , 17, 203-212	1.2	2

16	Modified thrombin formation and fibrinolysis in an ultra-endurance marathon swimmer. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017 , 27, 567-570	4.6	1
15	Frailty syndrome in daily practice of interventional cardiology ward-rationale and design of the FRAPICA trial: A STROBE-compliant prospective observational study. <i>Medicine (United States)</i> , 2020 , 99, e18935	1.8	1
14	A new clonal chromosomal aberration (47, XY, +21) in atrial myxoma from an elderly male patient. <i>Neurology International</i> , 2012 , 2, 3	0	1
13	The proteome analysis of rat platelet with nano-liquid chromatography-matrix-assisted laser desorption/ionization time-of-flight mass spectrometry technique. <i>Journal of Physiology and Pharmacology</i> , 2018 , 69,	2.1	1
12	X-ray microtomography as a new approach for imaging and analysis of tumor spheroids. <i>Micron</i> , 2020 , 137, 102917	2.3	1
11	Using a lactadherin-immobilized silicon surface for capturing and monitoring plasma microvesicles as a foundation for diagnostic device development. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 8093-8106	4.4	1
10	Proteomic Profiling of Ectosomes Derived from Paired Urothelial Bladder Cancer and Normal Cells Reveals the Presence of Biologically-Relevant Molecules. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
9	Incidence of Chlamydia pneumoniae infection in patients with coronary artery disease subjected to angioplasty or bypass surgery. <i>Medical Science Monitor</i> , 2001 , 7, 995-1001	3.2	1
8	The +405 GG variant of vascular endothelial growth factor polymorphism is associated with poor prognosis in patients undergoing coronary artery bypass graft surgery 2009 , 119, 719-25		1
7	New trends in theranostics. <i>Bio-Algorithms and Med-Systems</i> , 2022 , 17, 199-202	1.2	0
6	Plasma osteoprotegerin levels are determined by primary cardiovascular events in late middle-aged but not in young elderly male subjects. <i>International Journal of Cardiology</i> , 2014 , 173, 507-9 ^{3,2}		
5	P60Different profile of serum miRNA in patients with patent vs. occluded target vessel in acute coronary syndrome. <i>Cardiovascular Research</i> , 2014 , 103, S9.5-S9	9.9	
4	P769Serum biomarkers and key carotid atherosclerotic plaque morphology parameters determined in vivo using a novel, fully-quantitative virtual histology image analysis algorithm. <i>Cardiovascular Research</i> , 2014 , 103, S141.2-S141	9.9	
3	Targeting uPAR in diabetic vascular pathologies*. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2019 , 73, 803-808	0.3	
2	Fibrinogen Krakow: a novel hypo/dysfibrinogenemia mutation in fibrinogen gamma chain (Asn325Ile) affecting fibrin clot structure and function. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 975-6	7	
1	N-terminal pro-brain natriuretic peptide level in relation to epicardial and myocardial reperfusion in ST-segment elevation myocardial infarction treated with facilitated angioplasty. <i>EuroIntervention</i> , 2006 , 2, 203-10	3.1	