

List of Publications by Year in descending order

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133
papers

3,506
citations

136885

32
h-index

168321

53
g-index

150
all docs

150
docs citations

150
times ranked

5224
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.7	18
2	Nanomaterial Exposure, Extracellular Vesicle Biogenesis and Adverse Cellular Outcomes: A Scoping Review. <i>Nanomaterials</i> , 2022, 12, 1231.	1.9	8
3	New trends in theranostics. <i>Bio-Algorithms and Med-Systems</i> , 2022, 17, 199-202.	1.0	3
4	Positronium as a biomarker of hypoxia. <i>Bio-Algorithms and Med-Systems</i> , 2022, 17, 311-319.	1.0	24
5	Novel biomarker and drug delivery systems for theranostics“ extracellular vesicles. <i>Bio-Algorithms and Med-Systems</i> , 2022, 17, 301-309.	1.0	10
6	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.	1.0	27
7	Study of the influence of hyperglycemia on the abundance of amino acids, fatty acids, and selected lipids in extracellular vesicles using TOF-SIMS. <i>Biochemical and Biophysical Research Communications</i> , 2022, 622, 30-36.	1.0	7
8	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.	2.4	8
9	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.	0.7	20
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, 6816.	1.8	4
11	Ticagrelor effectively inhibits platelet aggregation in comatose survivors of cardiac arrest undergoing primary percutaneous coronary intervention treated with mild therapeutic hypothermia. <i>Cardiology Journal</i> , 2021, , .	0.5	4
12	Design and Optimization of a Biosensor Surface Functionalization to Effectively Capture Urinary Extracellular Vesicles. <i>Molecules</i> , 2021, 26, 4764.	1.7	5
13	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, 175015.	1.6	48
14	Testing CPT symmetry in ortho-positronium decays with positronium annihilation tomography. <i>Nature Communications</i> , 2021, 12, 5658.	5.8	49
15	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.	7.0	10
16	Positronium imaging with the novel multiphoton PET scanner. <i>Science Advances</i> , 2021, 7, eabh4394.	4.7	79
17	Positronium life-time as a new approach for cardiac masses imaging. <i>European Heart Journal</i> , 2021, 42, .	1.0	7
18	Prospects and Clinical Perspectives of Total-Body PET Imaging Using Plastic Scintillators. <i>PET Clinics</i> , 2020, 15, 439-452.	1.5	76

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19	X-ray microtomography as a new approach for imaging and analysis of tumor spheroids. <i>Micron</i> , 2020, 137, 102917.	1.1	7
20	3D TOF-PET image reconstruction using total variation regularization. <i>Physica Medica</i> , 2020, 80, 230-242.	0.4	13
21	Part One: Extracellular Vesicles as Valuable Players in Diabetic Cardiovascular Diseases. , 2020, , .		4
22	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.	1.9	3
23	Low-Vacuum Filtration as an Alternative Extracellular Vesicle Concentration Method: A Comparison with Ultracentrifugation and Differential Centrifugation. <i>Pharmaceutics</i> , 2020, 12, 872.	2.0	11
24	Frailty syndrome in daily practice of interventional cardiology wardâ€”rationale and design of the FRAPICA trial. <i>Medicine (United States)</i> , 2020, 99, e18935.	0.4	1
25	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.	1.1	21
26	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, 2934.	1.8	16
27	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.	1.3	21
28	Performance assessment of the 2 Î³ positronium imaging with the total-body PET scanners. <i>EJNMMI Physics</i> , 2020, 7, 44.	1.3	44
29	Construction of the Vacuum Chambers for J-PET Experiments with Positron Annihilation. <i>Acta Physica Polonica B</i> , 2020, 51, 293.	0.3	6
30	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, 3789.	1.8	24
31	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.	1.7	21
32	Positronium in medicine and biology. <i>Nature Reviews Physics</i> , 2019, 1, 527-529.	11.9	71
33	Melanoma-Derived Extracellular Vesicles: Focus on Their Proteome. <i>Proteomes</i> , 2019, 7, 21.	1.7	21
34	The Clinical Trial Landscape for Melanoma Therapies. <i>Journal of Clinical Medicine</i> , 2019, 8, 368.	1.0	46
35	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, 1-7.	1.0	3
36	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.	1.6	10

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37	Platelet Reactivity And Circulating Platelet-Derived Microvesicles Are Differently Affected By P2Y ₁₂ Receptor Antagonists. <i>International Journal of Medical Sciences</i> , 2019, 16, 264-275.	1.1	22
38	Feasibility study of the positronium imaging with the J-PET tomograph. <i>Physics in Medicine and Biology</i> , 2019, 64, 055017.	1.6	97
39	Extracellular Vesicles as Drug Delivery Systems - Methods of Production and Potential Therapeutic Applications. <i>Current Pharmaceutical Design</i> , 2019, 25, 132-154.	0.9	42
40	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.	0.5	8
41	Targeting uPAR in diabetic vascular pathologies*. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2019, 73, 803-808.	0.1	0
42	Retinopathy severity correlates with RANTES concentrations and CCR 5-positive microvesicles in diabetes. <i>Folia Medica Cracoviensia</i> , 2019, 59, 95-112.	0.3	5
43	Lactadherin: An unappreciated haemostasis regulator and potential therapeutic agent. <i>Vascular Pharmacology</i> , 2018, 101, 21-28.	1.0	34
44	3D visualization of extracellular vesicle uptake by endothelial cells. <i>Cellular and Molecular Biology Letters</i> , 2018, 23, 57.	2.7	27
45	Human melanoma-derived ectosomes are enriched with specific glycan epitopes. <i>Life Sciences</i> , 2018, 207, 395-411.	2.0	30
46	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.	0.1	19
47	miRNAtools: Advanced Training Using the miRNA Web of Knowledge. <i>Non-coding RNA</i> , 2018, 4, 5.	1.3	4
48	Circulating ectosomes: Determination of angiogenic microRNAs in type 2 diabetes. <i>Theranostics</i> , 2018, 8, 3874-3890.	4.6	67
49	The circulating non-coding RNA landscape for biomarker research: lessons and prospects from cardiovascular diseases. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 1085-1099.	2.8	88
50	Extracellular vesicles in post-infarct ventricular remodelling. <i>Kardiologia Polska</i> , 2018, 76, 69-76.	0.3	12
51	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.	0.3	30
52	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, .	1.1	1
53	Modified thrombin formation and fibrinolysis in an ultraendurance marathon swimmer. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 567-570.	1.3	2
54	Deciphering the role of ectosomes in cancer development and progression: focus on the proteome. <i>Clinical and Experimental Metastasis</i> , 2017, 34, 273-289.	1.7	33

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55	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.	1.9	17
56	Application of nano-LC-MALDI-TOF/TOF-MS for proteomic analysis of microvesicles. <i>Clinical Biochemistry</i> , 2017, 50, 241-243.	0.8	13
57	P702Diagnostic and prognostic micro-RNAs in ischemic stroke due to carotid artery stenosis and in acute coronary syndrome: the 4-year prospective study. <i>European Heart Journal</i> , 2017, 38, .	1.0	0
58	Use of Systemic Approach in Radiation Biology. <i>Acta Physica Polonica B</i> , 2017, 48, 1647.	0.3	0
59	Angiotensin-2 Is an Early Indicator of Acute Pancreatic-Renal Syndrome in Patients with Acute Pancreatitis. <i>Mediators of Inflammation</i> , 2016, 2016, 1-7.	1.4	43
60	Urinary Extracellular Vesicles: Potential Biomarkers of Renal Function in Diabetic Patients. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-12.	1.0	26
61	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.	0.9	22
62	Vascular complications in diabetes: Microparticles and microparticle associated microRNAs as active players. <i>Biochemical and Biophysical Research Communications</i> , 2016, 472, 1-10.	1.0	57
63	Carboxylated and intact osteocalcin predict adiponectin concentration in hemodialyzed patients. <i>Renal Failure</i> , 2016, 38, 451-457.	0.8	7
64	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, 280-288.	0.3	34
65	Seasonal effect of vitamin D deficiency in patients with acute myocardial infarction. <i>Kardiologia Polska</i> , 2016, 74, 786-792.	0.3	7
66	Titanium dioxide nanoparticles induce the expression of early and late receptors for adhesion molecules on monocytes. <i>Particle and Fibre Toxicology</i> , 2015, 13, 36.	2.8	11
67	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015, 31, 933-939.	1.8	317
68	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, 344-351.	0.5	42
69	Plasma centrifugation does not influence thrombin-antithrombin and plasmin-antiplasmin levels but determines platelet microparticles count. <i>Biochemia Medica</i> , 2015, 25, 222-229.	1.2	7
70	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.	0.3	31
71	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.	1.8	0
72	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.	1.8	0

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73	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, 507-509.	0.8	0
74	Åthousand words about microparticles in cardiology. <i>Journal of Medical Science</i> , 2014, 83, 189-193.	0.2	3
75	Biochemical and hematological changes following the 120-km open-water marathon swim. <i>Journal of Sports Science and Medicine</i> , 2014, 13, 632-7.	0.7	8
76	Stiffness memory of EA.hy926 endothelial cells in response to chronic hyperglycemia. <i>Cardiovascular Diabetology</i> , 2013, 12, 96.	2.7	29
77	Multimarker Approach in Discriminating Patients with Symptomatic and Asymptomatic		

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91	Beneficial effect of cigarette smoking cessation on fibrin clot properties. <i>Journal of Thrombosis and Thrombolysis</i> , 2011, 32, 177-182.	1.0	13
92	Increased levels of bone remodeling biomarkers (osteoprotegerin and osteopontin) in hypertensive individuals. <i>Clinical Biochemistry</i> , 2011, 44, 826-831.	0.8	42
93	Seasonal effects of central leptin infusion and prolactin treatment on pituitary SOCS-3 gene expression in ewes. <i>Journal of Endocrinology</i> , 2011, 208, 81-88.	1.2	20
94	Role of microRNAs in endothelial cell pathophysiology. <i>Polish Archives of Internal Medicine</i> , 2011, 121, 361-367.	0.3	58
95	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.	0.3	20
96	Architecture of intraluminal thrombus removed from abdominal aortic aneurysm. <i>Journal of Thrombosis and Thrombolysis</i> , 2010, 30, 7-9.	1.0	15
97	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, 372-374.	1.0	3
98	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-e41.	0.4	9
99	The increased plasma C-reactive protein and interleukin-6 levels in patients undergoing coronary artery bypass grafting surgery are associated with the interleukin-6 γ 174G > C gene polymorphism. <i>Annals of Clinical Biochemistry</i> , 2010, 47, 343-349.	0.8	28
100	Architecture of a native mitral valve thrombus in a patient with hypereosinophilic syndrome. <i>Journal of Heart Valve Disease</i> , 2010, 19, 596-8.	0.5	2
101	Altered Fibrin Clot Structure/Function in Patients With Cryptogenic Ischemic Stroke. <i>Stroke</i> , 2009, 40, 1499-1501.	1.0	113
102	Fibrin clot properties are altered in patients with chronic obstructive pulmonary disease. <i>Thrombosis and Haemostasis</i> , 2009, 102, 1176-1182.	1.8	79
103	Factor XIII Val34Leu polymorphism and ischaemic stroke in patients with patent foramen ovale. <i>Thrombosis and Haemostasis</i> , 2009, 102, 1280-1282.	1.8	8
104	A vitamin K epoxide reductase-oxidase complex gene polymorphism (γ 1639G>A) and interindividual variability in the dose-effect of vitamin K antagonists. <i>Journal of Applied Genetics</i> , 2009, 50, 399-403.	1.0	13
105	Fc γ R1 \pm gene γ 18483A>C polymorphism affects transcriptional activity through YY1 binding. <i>Immunogenetics</i> , 2009, 61, 649-655.	1.2	12
106	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.	1.8	8
107	Tissue factor γ 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, 567-572.	0.4	13
108	Effect of aortic valve stenosis on haemostasis is independent from vascular atherosclerotic burden. <i>Atherosclerosis</i> , 2009, 204, e103-e108.	0.4	38

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109	Heyde's 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.	1.8	10
110	The +405 GG variant of vascular endothelial growth factor polymorphism is associated with poor prognosis in patients undergoing coronary artery bypass graft surgery. <i>Polish Archives of Internal Medicine</i> , 2009, 119, 719-725.	0.3	2
111	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.	1.8	0
112	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.	0.3	10
113	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.	0.3	2
114	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
115	Architecture of intra-atrial thrombi in patients with severe mitral stenosis. <i>Journal of Heart Valve Disease</i> , 2009, 18, 496-8.	0.5	3
116	Reduced clot permeability and susceptibility to lysis in patients with acute coronary syndrome: Effects of inflammation and oxidative stress. <i>Atherosclerosis</i> , 2008, 196, 551-557.	0.4	166
117	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, 147-155.	1.2	47
118	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, 1590-1595.	4.3	156
119	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, 2258-2265.	1.1	48
120	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, 1070-1072.	1.9	23
121	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, 1988-1990.	1.9	71
122	Age Effect on Human Aortic Valvular Glycoproteins. <i>Archives of Medical Research</i> , 2007, 38, 495-502.	1.5	6
123	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.	0.3	10
124	The thrombin generation is associated with the PIA1/A2 Î²3 integrin polymorphism in aspirin-treated patients with coronary artery disease: a role of statins. <i>Polish Archives of Internal Medicine</i> , 2007, 117, 33-40.	0.3	1
125	Effects of simvastatin on angiogenic growth factors released at the site of microvascular injury. <i>Thrombosis and Haemostasis</i> , 2006, 95, 1045-1047.	1.8	17
126	Folic acid administration and antibodies against homocysteinylated proteins in subjects with hyperhomocysteinemia. <i>Thrombosis and Haemostasis</i> , 2006, 96, 342-347.	1.8	42

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127	Lipoprotein(a) as a modifier of fibrin clot permeability and susceptibility to lysis. Journal of Thrombosis and Haemostasis, 2006, 4, 973-975.	1.9	62
128	N-terminal pro-brain natriuretic peptide level in relation to epicardial and myocardial reperfusion in ST-segment elevation myocardial infarction treated with facilitated angioplasty. EuroIntervention, 2006, 2, 203-10.	1.4	0
129	Evaluation of the relationship between selected markers of the inflammatory process and aortic valve calcifications. Acta Cardiologica, 2004, 59, 219-21.	0.3	3
130	Impact of Chlamydia pneumoniae infection on survival rate after heart transplantation. Medical Science Monitor, 2003, 9, CR67-72.	0.5	3
131	Incidence of Chlamydia pneumoniae infection in patients with coronary artery disease subjected to angioplasty or bypass surgery. Medical Science Monitor, 2001, 7, 995-1001.	0.5	1
132	CONTACT GUIDANCE OF CHICK EMBRYO NEURONS ON SINGLE SCRATCHES IN GLASS AND ON UNDERLYING ALIGNED HUMAN SKIN FIBROBLASTS. Cell Biology International, 1999, 23, 105-116.	1.4	32
133	Changes in morphology of human skin fibroblasts induced by local anaesthetics: role of actomyosin contraction. European Journal of Pharmacology, 1998, 358, 235-244.	1.7	13