

E Stepien

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8899157/e-stepien-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
122	Nanomaterial Exposure, Extracellular Vesicle Biogenesis and Adverse Cellular Outcomes: A Scoping Review.. <i>Nanomaterials</i> , 2022 , 12,	5.4	3
121	New trends in theranostics. <i>Bio-Algorithms and Med-Systems</i> , 2022 , 17, 199-202	1.2	0
120	Positronium as a biomarker of hypoxia. <i>Bio-Algorithms and Med-Systems</i> , 2022 , 17, 311-319	1.2	4
119	Novel biomarker and drug delivery systems for theranostics using extracellular vesicles. <i>Bio-Algorithms and Med-Systems</i> , 2022 , 17, 301-309	1.2	5
118	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
117	Positronium life-time as a new approach for cardiac masses imaging. <i>European Heart Journal</i> , 2021 , 42,	9.5	5
116	Positronium imaging with the novel multiphoton PET scanner. <i>Science Advances</i> , 2021 , 7, eabh4394	14.3	15
115	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
114	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
113	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
112	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
111	Testing CPT symmetry in ortho-positronium decays with positronium annihilation tomography. <i>Nature Communications</i> , 2021 , 12, 5658	17.4	12
110	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
109	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
108	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
107	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

106	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
105	Performance assessment of the ^2D positronium imaging with the total-body PET scanners. <i>EJNMMI Physics</i> , 2020 , 7, 44	4.4	19
104	Construction of the Vacuum Chambers for J-PET Experiments with Positron Annihilation. <i>Acta Physica Polonica B</i> , 2020 , 51, 293	1.9	2
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	X-ray microtomography as a new approach for imaging and analysis of tumor spheroids. <i>Micron</i> , 2020 , 137, 102917	2.3	1
101	3D TOF-PET image reconstruction using total variation regularization. <i>Physica Medica</i> , 2020 , 80, 230-242.	2.7	4
100	Part One: Extracellular Vesicles as Valuable Players in Diabetic Cardiovascular Diseases 2020 ,		3
99	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
98	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
97	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
96	Melanoma-Derived Extracellular Vesicles: Focus on Their Proteome. <i>Proteomes</i> , 2019 , 7,	4.6	14
95	The Clinical Trial Landscape for Melanoma Therapies. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	28
94	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
93	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
92	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
91	Targeting uPAR in diabetic vascular pathologies*. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2019 , 73, 803-808	0.3	
90	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
89	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

88	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
87	Feasibility study of the positronium imaging with the J-PET tomograph. <i>Physics in Medicine and Biology</i> , 2019 , 64, 055017	3.8	52
86	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
85	Lactadherin: An unappreciated haemostasis regulator and potential therapeutic agent. <i>Vascular Pharmacology</i> , 2018 , 101, 21-28	5.9	22
84	Human melanoma-derived ectosomes are enriched with specific glycan epitopes. <i>Life Sciences</i> , 2018 , 207, 395-411	6.8	15
83	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>Postępy W Kardiologii Interwencyjnej</i> , 2018 , 14, 75-84	0.4	11
82	miRNAtools: Advanced Training Using the miRNA Web of Knowledge. <i>Non-coding RNA</i> , 2018 , 4,	7.1	4
81	Circulating ectosomes: Determination of angiogenic microRNAs in type 2 diabetes. <i>Theranostics</i> , 2018 , 8, 3874-3890	12.1	45
80	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
79	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
78	Extracellular vesicles in post-infarct ventricular remodelling. <i>Kardiologia Polska</i> , 2018 , 76, 69-76	0.9	9
77	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
76	3D visualization of extracellular vesicle uptake by endothelial cells. <i>Cellular and Molecular Biology Letters</i> , 2018 , 23, 57	8.1	21
75	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
74	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
73	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
72	Application of nano-LC-MALDI-TOF/TOF-MS for proteomic analysis of microvesicles. <i>Clinical Biochemistry</i> , 2017 , 50, 241-243	3.5	10
71	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

70	Carboxylated and intact osteocalcin predict adiponectin concentration in hemodialyzed patients. <i>Renal Failure</i> , 2016 , 38, 451-7	2.9	2
69	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
68	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
67	Seasonal effect of vitamin D deficiency in patients with acute myocardial infarction. <i>Kardiologia Polska</i> , 2016 , 74, 786-792	0.9	6
66	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
65	Urinary Extracellular Vesicles: Potential Biomarkers of Renal Function in Diabetic Patients. <i>Journal of Diabetes Research</i> , 2016 , 2016, 5741518	3.9	18
64	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
63	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
62	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015 , 31, 933-9	7.2	256
61	Plasma centrifugation does not influence thrombin-antithrombin and plasmin-antiplasmin levels but determines platelet microparticles count. <i>Biochimica Medica</i> , 2015 , 25, 222-9	2.5	7
60	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
59	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		
58	P60 Different 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	
57	P769 Serum 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	
56	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
55	Stiffness memory of EA.hy926 endothelial cells in response to chronic hyperglycemia. <i>Cardiovascular Diabetology</i> , 2013 , 12, 96	8.7	24
54	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
53	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

52	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
51	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
50	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
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	Beneficial effect of cigarette smoking cessation on fibrin clot properties. <i>Journal of Thrombosis and Thrombolysis</i> , 2011 , 32, 177-82	5.1	9
41	Increased levels of bone remodeling biomarkers (osteoprotegerin and osteopontin) in hypertensive individuals. <i>Clinical Biochemistry</i> , 2011 , 44, 826-31	3.5	31
40	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
39	Role of microRNAs in endothelial cell pathophysiology. <i>Polish Archives of Internal Medicine</i> , 2011 , 121, 361-367	1.9	14
38	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
37	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
36	Architecture of intraluminal thrombus removed from abdominal aortic aneurysm. <i>Journal of Thrombosis and Thrombolysis</i> , 2010 , 30, 7-9	5.1	12
35	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

34	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
33	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
32	Altered fibrin clot structure/function in patients with cryptogenic ischemic stroke. <i>Stroke</i> , 2009 , 40, 1499-501	1.5	99
31	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
30	Factor XIII Val34Leu polymorphism and ischaemic stroke in patients with patent foramen ovale. <i>Thrombosis and Haemostasis</i> , 2009 , 102, 1280-2	7	6
29	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
28	FcepsilonR1alpha gene -18483A>C polymorphism affects transcriptional activity through YY1 binding. <i>Immunogenetics</i> , 2009 , 61, 649-55	3.2	11
27	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
26	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
25	Effect of aortic valve stenosis on haemostasis is independent from vascular atherosclerotic burden. <i>Atherosclerosis</i> , 2009 , 204, e103-8	3.1	31
24	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	7	7
23	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	
22	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
21	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
20	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
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	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
17	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

16	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
15	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
14	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
13	Age effect on human aortic valvular glycoproteins. <i>Archives of Medical Research</i> , 2007 , 38, 495-502	6.6	6
12	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
11	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
10	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
9	Folic acid administration and antibodies against homocysteinylation proteins in subjects with hyperhomocysteinemia. <i>Thrombosis and Haemostasis</i> , 2006 , 96, 342-7	7	39
8	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
7	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	
6	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
5	Impact of Chlamydia pneumoniae infection on survival rate after heart transplantation. <i>Medical Science Monitor</i> , 2003 , 9, CR67-72	3.2	3
4	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
3	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
2	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
1	Developing a Novel Positronium Biomarker for Cardiac Myxoma Imaging		4