

Ioakim Spyridopoulos

List of Publications by Year in descending order

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104
papers

5,270
citations

117625

34
h-index

88630

70
g-index

110
all docs

110
docs citations

110
times ranked

6448
citing authors

#	ARTICLE	IF	CITATIONS
1	HMG-CoA Reductase Inhibitors Reduce Senescence and Increase Proliferation of Endothelial Progenitor Cells via Regulation of Cell Cycle Regulatory Genes. <i>Circulation Research</i> , 2003, 92, 1049-1055.	4.5	377
2	Antioxidants Inhibit Nuclear Export of Telomerase Reverse Transcriptase and Delay Replicative Senescence of Endothelial Cells. <i>Circulation Research</i> , 2004, 94, 768-775.	4.5	350
3	Vascular Endothelial Growth Factor-C (VEGF-C/VEGF-2) Promotes Angiogenesis in the Setting of Tissue Ischemia. <i>American Journal of Pathology</i> , 1998, 153, 381-394.	3.8	314
4	Mitochondrial Telomerase Reverse Transcriptase Binds to and Protects Mitochondrial DNA and Function From Damage. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 929-935.	2.4	294
5	Role of Endothelial Nitric Oxide Synthase in Endothelial Cell Migration. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 1156-1161.	2.4	272
6	Estrogen-Receptor-Mediated Inhibition of Human Endothelial Cell Apoptosis. <i>Circulation</i> , 1997, 95, 1505-1514.	1.6	239
7	Selective Functional Exhaustion of Hematopoietic Progenitor Cells in the Bone Marrow of Patients With Postinfarction Heart Failure. <i>Journal of the American College of Cardiology</i> , 2007, 49, 2341-2349.	2.8	231
8	Statins Enhance Migratory Capacity by Upregulation of the Telomere Repeat-Binding Factor TRF2 in Endothelial Progenitor Cells. <i>Circulation</i> , 2004, 110, 3136-3142.	1.6	226
9	Vascular Endothelial Growth Factor Inhibits Endothelial Cell Apoptosis Induced by Tumor Necrosis Factor- α : Balance Between Growth and Death Signals. <i>Journal of Molecular and Cellular Cardiology</i> , 1997, 29, 1321-1330.	1.9	203
10	Estradiol Accelerates Functional Endothelial Recovery After Arterial Injury. <i>Circulation</i> , 1997, 95, 1768-1772.	1.6	182
11	Sphingosine-1-Phosphate Stimulates the Functional Capacity of Progenitor Cells by Activation of the CXCR 4 -Dependent Signaling Pathway via the S1P 3 Receptor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 275-282.	2.4	159
12	Pharmacological clearance of senescent cells improves survival and recovery in aged mice following acute myocardial infarction. <i>Aging Cell</i> , 2019, 18, e12945.	6.7	156
13	Accelerated Telomere Shortening in Leukocyte Subpopulations of Patients With Coronary Heart Disease. <i>Circulation</i> , 2009, 120, 1364-1372.	1.6	128
14	T lymphocytes and fractalkine contribute to myocardial ischemia/reperfusion injury in patients. <i>Journal of Clinical Investigation</i> , 2015, 125, 3063-3076.	8.2	119
15	<sc>CMV</sc> seropositivity and T-cell senescence predict increased cardiovascular mortality in octogenarians: results from the Newcastle 85+ study. <i>Aging Cell</i> , 2016, 15, 389-392.	6.7	103
16	All-trans retinoic acid regulates proliferation, migration, differentiation, and extracellular matrix turnover of human arterial smooth muscle cells. <i>Cardiovascular Research</i> , 2001, 49, 851-862.	3.8	90
17	Clearance of senescent cells during cardiac ischemia-reperfusion injury improves recovery. <i>Aging Cell</i> , 2020, 19, e13249.	6.7	79
18	Nuclear Protein Tyrosine Phosphatase Shp-2 Is One Important Negative Regulator of Nuclear Export of Telomerase Reverse Transcriptase. <i>Journal of Biological Chemistry</i> , 2008, 283, 33155-33161.	3.4	77

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19	Divergence of Angiogenic and Vascular Permeability Signaling by VEGF. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 901-906.	2.4	63
20	Telomere Gap Between Granulocytes and Lymphocytes Is a Determinant for Hematopoietic Progenitor Cell Impairment in Patients With Previous Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 968-974.	2.4	63
21	Proteasome inhibition leads to NF- κ B-independent IL-8 transactivation in human endothelial cells through induction of AP-1. <i>European Journal of Immunology</i> , 2002, 32, 2208.	2.9	59
22	Relevance and mechanism of oxysterol stereospecificity in coronary artery disease. <i>Free Radical Biology and Medicine</i> , 2005, 38, 535-544.	2.9	57
23	Senescence and senolytics in cardiovascular disease: Promise and potential pitfalls. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111540.	4.6	52
24	In Vivo Blockade of Tumor Necrosis Factor- α Accelerates Functional Endothelial Recovery After Balloon Angioplasty. <i>Circulation</i> , 2001, 104, 1754-1756.	1.6	51
25	Lymphocyte Communication in Myocardial Ischemia/Reperfusion Injury. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 660-675.	5.4	49
26	Restoration of E2F Expression Rescues Vascular Endothelial Cells From Tumor Necrosis Factor- α -Induced Apoptosis. <i>Circulation</i> , 1998, 98, 2883-2890.	1.6	48
27	Sodium bicarbonate for the prevention of contrast induced nephropathy: A meta-analysis of published clinical trials. <i>European Journal of Radiology</i> , 2011, 79, 48-55.	2.6	48
28	Caffeine Enhances Endothelial Repair by an AMPK-Dependent Mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1967-1974.	2.4	47
29	Impact of thrombus aspiration during primary percutaneous coronary intervention on mortality in ST-segment elevation myocardial infarction. <i>European Heart Journal</i> , 2012, 33, 3054-3061.	2.2	47
30	Involvement of cardiovascular system as the critical point in coronavirus disease 2019 (COVID-19) prognosis and recovery. <i>Hellenic Journal of Cardiology</i> , 2020, 61, 381-395.	1.0	43
31	Atorvastatin induces T cell proliferation by a telomerase reverse transcriptase (TERT) mediated mechanism. <i>Atherosclerosis</i> , 2014, 236, 312-320.	0.8	42
32	Shock-index as a novel predictor of long-term outcome following primary percutaneous coronary intervention. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2015, 4, 270-277.	1.0	42
33	Acute mountain sickness is not related to cerebral blood flow: a decompression chamber study. <i>Journal of Applied Physiology</i> , 1999, 86, 1578-1582.	2.5	41
34	Telomerase as a Therapeutic Target in Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1047-1061.	2.4	41
35	Oncogenic ras induces premature senescence in endothelial cells: role of p21Cip1/Waf1. <i>Basic Research in Cardiology</i> , 2002, 97, 117-124.	5.9	38
36	Telomere length in cardiovascular disease: new challenges in measuring this marker of cardiovascular aging. <i>Future Cardiology</i> , 2011, 7, 789-803.	1.2	33

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37	Mortality outcome of out-of-hours primary percutaneous coronary intervention in the current era. <i>European Heart Journal</i> , 2012, 33, 3046-3053.	2.2	33
38	Myocardial Ischemia and Reperfusion Leads to Transient CD8 Immune Deficiency and Accelerated Immunosenescence in CMV-Seropositive Patients. <i>Circulation Research</i> , 2015, 116, 87-98.	4.5	33
39	Toxicity, Uptake Kinetics and Efficacy of New Transfection Reagents: Increase of Oligonucleotide Uptake. <i>Journal of Vascular Research</i> , 2000, 37, 221-234.	1.4	32
40	High-Throughput 13-Parameter Immunophenotyping Identifies Shifts in the Circulating T-Cell Compartment Following Reperfusion in Patients with Acute Myocardial Infarction. <i>PLoS ONE</i> , 2012, 7, e47155.	2.5	28
41	Inflammaging in the cardiovascular system: mechanisms, emerging targets, and novel therapeutic strategies. <i>Clinical Science</i> , 2020, 134, 2243-2262.	4.3	28
42	Alcohol Enhances Oxysterol-Induced Apoptosis in Human Endothelial Cells by a Calcium-Dependent Mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 439-444.	2.4	27
43	CMV-independent increase in CD27 ⁺ CD28 ⁺ CD8 ⁺ EMRA T cells is inversely related to mortality in octogenarians. <i>Npj Aging and Mechanisms of Disease</i> , 2020, 6, 3.	4.5	27
44	Telomerase Mediates Lymphocyte Proliferation but Not the Atherosclerosis-Suppressive Potential of Regulatory T-Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1283-1296.	2.4	26
45	Telomere length-heterogeneity among myeloid cells is a predictor for chronological ageing. <i>Experimental Gerontology</i> , 2009, 44, 363-366.	2.8	24
46	Immobilization of Molecularly Imprinted Polymer Nanoparticles onto Surfaces Using Different Strategies: Evaluating the Influence of the Functionalized Interface on the Performance of a Thermal Assay for the Detection of the Cardiac Biomarker Troponin I. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27868-27879.	8.0	24
47	Complete Revascularization in Patients Undergoing Multivessel PCI is an Independent Predictor of Improved Long-term Survival. <i>Journal of Interventional Cardiology</i> , 2010, 23, 256-263.	1.2	23
48	CDKN1B/p27 is localized in mitochondria and improves respiration-dependent processes in the cardiovascular system—New mode of action for caffeine. <i>PLoS Biology</i> , 2018, 16, e2004408.	5.6	23
49	Incidence, clinical characteristics, and long-term prognosis of travel-associated pulmonary embolism. <i>European Heart Journal</i> , 2009, 30, 233-241.	2.2	22
50	Radial augmentation index unmasks premature coronary artery disease in younger males. <i>Blood Pressure Monitoring</i> , 2009, 14, 59-67.	0.8	22
51	Risk Stratification Following Complex PCI: Clinical Versus Anatomical Risk Stratification Including “Post PCI Residual SYNTAX Score” as Quantification of Incomplete Revascularization. <i>Journal of Interventional Cardiology</i> , 2013, 26, 29-37.	1.2	22
52	Interventions to slow cardiovascular aging: Dietary restriction, drugs and novel molecules. <i>Experimental Gerontology</i> , 2018, 109, 108-118.	2.8	21
53	Terminally Differentiated CD4 ⁺ T Cells Promote Myocardial Inflammation. <i>Frontiers in Immunology</i> , 2021, 12, 584538.	4.8	21
54	Effect of Pressure-controlled intermittent Coronary Sinus Occlusion (PiCSO) on infarct size in anterior STEMI: PiCSO in ACS study. <i>IJC Heart and Vasculature</i> , 2020, 28, 100526.	1.1	18

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55	Downregulation of ETS Rescues Diabetes-Induced Reduction of Endothelial Progenitor Cells. PLoS ONE, 2009, 4, e4529.	2.5	18
56	Can telomere length predict cardiovascular risk?. Lancet, The, 2007, 369, 81-82.	13.7	16
57	Functionally Novel Tumor Necrosis Factor- β -Modulated CHR-Binding Protein Mediates Cyclin A Transcriptional Repression in Vascular Endothelial Cells. Circulation Research, 2002, 91, 307-314.	4.5	15
58	Favorable Long-Term Survival in Patients Undergoing Multivessel PCI Compared to Predicted Prognosis of CABG Estimated by EuroSCORE: Procedural and Clinical Determinants of Long-Term Outcome. Journal of Interventional Cardiology, 2009, 22, 511-519.	1.2	15
59	Dietary restriction ameliorates haematopoietic ageing independent of telomerase, whilst lack of telomerase and short telomeres exacerbates the ageing phenotype. Experimental Gerontology, 2014, 58, 113-119.	2.8	15
60	Telomerase Activation to Reverse Immunosenescence in Elderly Patients With Acute Coronary Syndrome: Protocol for a Randomized Pilot Trial. JMIR Research Protocols, 2020, 9, e19456.	1.0	15
61	Clinical frailty, and not features of acute infection, is associated with late mortality in COVID-19: a retrospective cohort study. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 1502-1513.	7.3	15
62	Prognostic impact of using drug-eluting-stents on outcome and strategy in multivessel PCI: Data from the Frankfurt MV-PCI registry. Journal of Cardiology, 2013, 61, 38-43.	1.9	12
63	Telomere length predicts cardiovascular disease. BMJ, The, 2014, 349, g4373-g4373.	6.0	11
64	The secret life of nonclassical monocytes. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 1055-1058.	1.5	11
65	Exercise, telomerase activity, and cardiovascular disease prevention. European Heart Journal, 2019, 40, 47-49.	2.2	11
66	The Evidence Base for Revascularisation of Chronic Total Occlusions. Current Cardiology Reviews, 2014, 10, 88-98.	1.5	11
67	Overcoming Heparin-Associated RT-qPCR Inhibition and Normalization Issues for microRNA Quantification in Patients with Acute Myocardial Infarction. Thrombosis and Haemostasis, 2018, 118, 1257-1269.	3.4	10
68	Effect of ciclosporin on safety, lymphocyte kinetics and left ventricular remodelling in acute myocardial infarction. British Journal of Clinical Pharmacology, 2020, 86, 1387-1397.	2.4	10
69	The Fractalkine Receptor CX3CR1 Links Lymphocyte Kinetics in CMV-Seropositive Patients and Acute Myocardial Infarction With Adverse Left Ventricular Remodeling. Frontiers in Immunology, 2021, 12, 605857.	4.8	10
70	Ivabradine therapy to unmask heart rate-independent effects of β -blockers on pulse wave reflections. Clinical Research in Cardiology, 2014, 103, 487-494.	3.3	9
71	Senescent cytotoxic T cells in acute myocardial infarction: innocent bystanders or the horsemen of apocalypse?. Cellular and Molecular Immunology, 2015, 12, 510-512.	10.5	9
72	The initial slope of the VCO ₂ /VO ₂ -curve (s ₁) in cardiopulmonary exercise testing is a strong and independent predictor of outcome in patients with previous myocardial infarction. Clinical Research in Cardiology, 2008, 97, 882-890.	3.3	8

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73	Favorable Long-Term Survival in Patients Undergoing Stent PCI of Unprotected Left Main Coronary Artery Compared to Predicted Short-Term Prognosis of CABG Estimated by EuroSCORE: Clinical Determinants of Long-Term Outcome. <i>Journal of Interventional Cardiology</i> , 2009, 22, 311-319.	1.2	8
74	Differences in immune responses between CMV-seronegative and -seropositive patients with myocardial ischemia and reperfusion. <i>Immunity, Inflammation and Disease</i> , 2015, 3, 56-70.	2.7	8
75	Non-coding RNA regulation of T cell biology: Implications for age-associated cardiovascular diseases. <i>Experimental Gerontology</i> , 2018, 109, 38-46.	2.8	8
76	Kinetics Analysis of Circulating MicroRNAs Unveils Markers of Failed Myocardial Reperfusion. <i>Clinical Chemistry</i> , 2020, 66, 247-256.	3.2	8
77	Rapid fall in circulating non-classical monocytes in ST elevation myocardial infarction patients correlates with cardiac injury. <i>FASEB Journal</i> , 2021, 35, e21604.	0.5	8
78	Impact of Interventional Strategy for Unprotected Left Main Coronary Artery Percutaneous Coronary Intervention on Long-term Survival. <i>Canadian Journal of Cardiology</i> , 2012, 28, 553-560.	1.7	7
79	Comparison of the Seattle Heart Failure Model and Cardiopulmonary Exercise Capacity for Prediction of Death in Patients With Chronic Ischemic Heart Failure and Intracoronary Progenitor Cell Application. <i>Clinical Cardiology</i> , 2013, 36, 153-159.	1.8	7
80	β -Blockers and ivabradine differentially affect cardiopulmonary function and left ventricular filling index. <i>Clinical Research in Cardiology</i> , 2016, 105, 527-534.	3.3	7
81	Immunosenescence profiles are not associated with muscle strength, physical performance and sarcopenia risk in very old adults: The Newcastle 85+ Study. <i>Mechanisms of Ageing and Development</i> , 2020, 190, 111321.	4.6	7
82	Prognostic value of admission high-sensitivity troponin in patients with ST-elevation myocardial infarction. <i>Heart</i> , 2021, 107, 1881-1888.	2.9	7
83	Microvascular dysfunction and pulse wave reflection characterize different vascular pathologies in patients at cardiovascular risk. <i>Vasa - European Journal of Vascular Medicine</i> , 2012, 41, 192-199.	1.4	7
84	The role of arginine vasopressin in myocardial infarction and reperfusion. <i>Kardiologia Polska</i> , 2019, 77, 908-917.	0.6	7
85	Initial clinical experience with a modified excimer laser for coronary angioplasty. <i>Lasers in Medical Science</i> , 1994, 9, 7-15.	2.1	6
86	Role of N-Terminal Pro-Brain Natriuretic Peptide and Cystatin C to Estimate Renal Function in Patients With and Without Heart Failure. <i>American Journal of Cardiology</i> , 2009, 103, 1128-1133.	1.6	6
87	Intracoronary Beta-Radiation Therapy for In-stent Restenosis: Long-Term Success Rate and Prediction of Failure. <i>Journal of Interventional Cardiology</i> , 2010, 23, 60-65.	1.2	6
88	Idiopathic (unexplained) pulmonary embolism is associated with an impaired prognosis compared to other entities of pulmonary embolism. <i>Blood Coagulation and Fibrinolysis</i> , 2010, 21, 70-76.	1.0	6
89	Cardiac 31P-MRS compared to echocardiographic findings in patients with hypertensive heart disease without overt systolic dysfunction—Preliminary results. <i>European Journal of Radiology</i> , 2009, 71, 69-74.	2.6	5
90	Understanding the molecular and cellular basis of therapeutic stem and progenitor cell transplantation for tissue revascularization. <i>Cardiovascular Research</i> , 2005, 65, 6-7.	3.8	4

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91	Is telomerase a potential target for vascular rejuvenation?. <i>Atherosclerosis</i> , 2011, 216, 19-20.	0.8	4
92	Microvessels of the heart: Formation, regeneration, and dysfunction. <i>Microcirculation</i> , 2017, 24, e12338.	1.8	2
93	Magnetic resonance imaging in hypertrophied left ventricular myocardium due to amyloidosis. <i>International Journal of Angiology</i> , 1998, 7, 169-172.	0.6	1
94	Molecular mechanisms and therapy of cardiovascular ageing. <i>Experimental Gerontology</i> , 2018, 109, 1-4.	2.8	1
95	31â€¦Shock-Index as a Novel Predictor of Longterm Outcome Following Primary Percutaneous Coronary Intervention. <i>Heart</i> , 2014, 100, A16.2-A16.	2.9	0
96	66â€¦Cognitive impairment is not associated with 30â€¦day major adverse cardiovascular events in older (75â€¦years) patients presenting with non-st elevation acute coronary syndrome: an evaluation from the icon1 study. <i>Heart</i> , 2017, 103, A50.1-A50.	2.9	0
97	19â€¦Recurrent myocardial infarction is an independent predictor of cognitive decline in older patients with non-ST elevation acute coronary syndrome: a prospective cohort study. , 2018, , .		0
98	106â€¦Senescence as a therapeutic target for myocardial ageing. , 2018, , .		0
99	142â€¦Accumulation of cardiomyocyte senescence following ischaemia-reperfusion injury (IRI); a potential therapeutic target?. , 2018, , .		0
100	BS8â€¦Essential role of endothelial ADAR1 RNA editing in vascular integrity. , 2019, , .		0
101	114â€¦Peripheral blood mononuclear cell expression of the stabilizing RNA-binding protein HUR is associated with incidence and extent of human atherosclerotic cardiovascular disease. , 2019, , .		0
102	152â€¦Circulating serum extracellular matrix degradation enzyme Cathepsin S predicts mortality and improves risk stratification over the grace score in patients with non-ST elevation acute coronary syndromes. , 2019, , .		0
103	Role of Immunosenescence in Coronary Artery Disease. , 2018, , 1-14.		0
104	Role of Immunosenescence in Coronary Artery Disease. , 2019, , 1773-1786.		0