Johannes Waltenberger

List of Publications by Year
in descending order

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199 papers	13,680 citations	23500 58 h-index	22764 112 g-index
204 all docs	204 docs citations	204 times ranked	17894 citing authors

#	Article	IF	Citations
1	Inhibition of VEGF receptors causes lung cell apoptosis and emphysema. Journal of Clinical Investigation, 2000, 106, 1311-1319.	3.9	979
2	The Vascular Endothelial Growth Factor Receptor Flt-1 Mediates Biological Activities. Journal of Biological Chemistry, 1996, 271, 17629-17634.	1.6	749
3	Inhibition of the VEGF receptor 2 combined with chronic hypoxia causes cell deathâ€dependent pulmonary endothelial cell proliferation and severe pulmonary hypertension. FASEB Journal, 2001, 15, 427-438.	0.2	721
4	Role of PlGF in the intra- and intermolecular cross talk between the VEGF receptors Flt1 and Flk1. Nature Medicine, 2003, 9, 936-943.	15.2	699
5	Consensus guidelines for the use and interpretation of angiogenesis assays. Angiogenesis, 2018, 21, 425-532.	3.7	429
6	The Vascular Endothelial Growth Factor Receptor KDR Activates Multiple Signal Transduction Pathways in Porcine Aortic Endothelial Cells. Journal of Biological Chemistry, 1997, 272, 32521-32527.	1.6	384
7	Reactive Oxygen Species as Downstream Mediators of Angiogenic Signaling by Vascular Endothelial Growth Factor Receptor-2/KDR. Journal of Biological Chemistry, 2002, 277, 3101-3108.	1.6	333
8	Endothelial dysfunction in COVID-19: a position paper of the ESC Working Group for Atherosclerosis and Vascular Biology, and the ESC Council of Basic Cardiovascular Science. Cardiovascular Research, 2020, 116, 2177-2184.	1.8	331
9	VEGF-A Induces Expression of eNOS and iNOS in Endothelial Cells via VEGF Receptor-2 (KDR). Biochemical and Biophysical Research Communications, 1998, 252, 743-746.	1.0	326
10	Vascular Endothelial Growth Factor (VEGF)-driven Actin-based Motility Is Mediated by VEGFR2 and Requires Concerted Activation of Stress-activated Protein Kinase 2 (SAPK2/p38) and Geldanamycin-sensitive Phosphorylation of Focal Adhesion Kinase. Journal of Biological Chemistry, 2000, 275, 10661-10672.	1.6	273
11	Microvascular Obstruction. Journal of the American College of Cardiology, 2010, 55, 1649-1660.	1.2	243
12	Vascular Endothelial Growth Factor-Aâ€“Induced Chemotaxis of Monocytes Is Attenuated in Patients With Diabetes Mellitus. Circulation, 2000, 102, 185-190.	1.6	240
13	Sphingosylphosphorylcholine regulates keratin network architecture and visco-elastic properties of human cancer cells. Nature Cell Biology, 2003, 5, 803-811.	4.6	234
14	Functional Upregulation of the Vascular Endothelial Growth Factor Receptor KDR by Hypoxia. Circulation, 1996, 94, 1647-1654.	1.6	213
15	Intracoronary infusion of mononuclear cells from bone marrow or peripheral blood compared with standard therapy in patients after acute myocardial infarction treated by primary percutaneous coronary intervention: results of the randomized controlled HEBE trial. European Heart Journal, 2011, 32, 1736-1747.	1.0	211
16	Platelet-derived endothelial cell growth factor has thymidine phosphorylase activity. Biochemical and Biophysical Research Communications, 1992, 184, 1311-1316.	1.0	191
17	VEGF-A and PlGF-1 stimulate chemotactic migration of human mesenchymal progenitor cells. Biochemical and Biophysical Research Communications, 2005, 334, 561-568.	1.0	176
18	PDGF-Receptor Tyrosine Kinase Blocker AG1295 Selectively Attenuates Smooth Muscle Cell Growth In Vitro and Reduces Neointimal Formation After Balloon Angioplasty in Swine. Circulation, 1998, 97, 1960-1969.	1.6	168

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19	Endothelial function in cardiovascular medicine: a consensus paper of the European Society of Cardiology Working Groups on Atherosclerosis and Vascular Biology, Aorta and Peripheral Vascular Diseases, Coronary Pathophysiology and Microcirculation, and Thrombosis. Cardiovascular Research, 2021, 117, 29-42.	1.8	164
20	Modulation of Growth Factor Action. Circulation, 1997, 96, 4083-4094.	1.6	155
21	Flt-1 Signaling in Macrophages Promotes Glioma Growth In vivo. Cancer Research, 2008, 68, 7342-7351.	0.4	144
22	In vitro and in vivo studies of a VEGF121/rGelonin chimeric fusion toxin targeting the neovasculature of solid tumors. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7866-7871.	3.3	139
23	Stabilisation of atherosclerotic plaques. Thrombosis and Haemostasis, 2011, 106, 1-19.	1.8	139
24	VEGF Receptor Signaling and Endothelial Function. IUBMB Life, 2001, 52, 61-66.	1.5	134
25	Endothelial progenitor cell culture and differentiation in vitro: a methodological comparison using human umbilical cord blood. Cardiovascular Research, 2003, 58, 478-486.	1.8	130
26	Molecular and cellular mechanisms of aortic stenosis. International Journal of Cardiology, 2009, 135, 4-13.	0.8	129
27	Differential Binding Characteristics and Cellular Inhibition by Soluble VEGF Receptors 1 and 2. Experimental Cell Research, 1998, 241, 161-170.	1.2	128
28	A Novel Function of VEGF Receptor-2 (KDR): Rapid Release of Nitric Oxide in Response to VEGF-A Stimulation in Endothelial Cells. Biochemical and Biophysical Research Communications, 1999, 265, 636-639.	1.0	128
29	Neuropilin-1 Regulates Vascular Endothelial Growth Factorâ€“Mediated Endothelial Permeability. Circulation Research, 2005, 96, 1257-1265.	2.0	118
30	Autocrine vascular endothelial growth factor signalling in breast cancer. Evidence from cell lines and primary breast cancer cultures in vitro. Angiogenesis, 2005, 8, 197-204.	3.7	117
31	A Dual Inhibitor of Platelet-Derived Growth Factor Î²-Receptor and Src Kinase Activity Potently Interferes With Motogenic and Mitogenic Responses to PDGF in Vascular Smooth Muscle Cells. Circulation Research, 1999, 85, 12-22.	2.0	111
32	Essential role of calcium in vascular endothelial growth factor Aâ€induced signaling: mechanism of the antiangiogenic effect of carboxyamidotriazole. FASEB Journal, 2002, 16, 1-29.	0.2	109
33	Increased expression of TGF-Î²1 and IGF-I in inflammatory stenotic lesions of hemodialysis fistulas. Kidney International, 2002, 61, 1011-1019.	2.6	107
34	Final results of a phase IIa, randomised, open-label trial to evaluate the percutaneous intramyocardial transplantation of autologous skeletal myoblasts in congestive heart failure patients: the SEISMIC trial. EuroIntervention, 2011, 6, 805-812.	1.4	106
35	Diabetes Mellitus Activates Signal Transduction Pathways Resulting in Vascular Endothelial Growth Factor Resistance of Human Monocytes. Circulation, 2009, 120, 150-159.	1.6	103
36	Stabilization of atherosclerotic plaques: an update. European Heart Journal, 2013, 34, 3251-3258.	1.0	101

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37	The Molecular Basis of VEGFR-1 Signal Transduction Pathways in Primary Human Monocytes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 322-328.	1.1	98
38	A Functional Role for VEGFR1 Expressed in Peripheral Sensory Neurons in Cancer Pain. Cancer Cell, 2015, 27, 780-796.	7.7	97
39	Elevation of Vascular Endothelial Growth Factor-A Serum Levels Following Acute Myocardial Infarction. Evidence for its Origin and Functional Significance. Journal of Molecular and Cellular Cardiology, 2000, 32, 65-72.	0.9	94
40	A Disintegrin and Metalloprotease 10 Is a Novel Mediator of Vascular Endothelial Growth Factorâ€“Induced Endothelial Cell Function in Angiogenesis and Is Associated With Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2188-2195.	1.1	94
41	Intracoronary autologous bone marrow cell transfer after myocardial infarction: the BOOST-2 randomised placebo-controlled clinical trial. European Heart Journal, 2017, 38, 2936-2943.	1.0	91
42	Characterization of indolinones which preferentially inhibit VEGF-C- and VEGF-D-induced activation of VEGFR-3 rather than VEGFR-2. FEBS Journal, 2001, 268, 5530-5540.	0.2	89
43	Expression of Protein Tyrosine Kinases in Islet Cells: Possible Role of the Flk-1 Receptor forÎ²-Cell Maturation from Duct Cells. Growth Factors, 1994, 10, 115-126.	0.5	87
44	Intravenous immunoglobulin therapy for patients with idiopathic cardiomyopathy and endomyocardial biopsy-proven high PVB19 viral load. Antiviral Therapy, 2010, 15, 193-201.	0.6	86
45	Molecular mediators of tumor angiogenesis: Enhanced expression and activation of vascular endothelial growth factor receptor KDR in primary breast cancer. , 1999, 84, 293-298.		85
46	Novel insights into an old controversy. Clinical Research in Cardiology, 2007, 96, 331-339.	1.5	80
47	Newly identified biologically active and proteolysis-resistant VEGF-A isoform VEGF111 is induced by genotoxic agents. Journal of Cell Biology, 2007, 179, 1261-1273.	2.3	77
48	VEGF resistance as a molecular basis to explain the angiogenesis paradox in diabetes mellitus. Biochemical Society Transactions, 2009, 37, 1167-1170.	1.6	77
49	Simulated hypogravity impairs the angiogenic response of endothelium by up-regulating apoptotic signals. Biochemical and Biophysical Research Communications, 2005, 334, 491-499.	1.0	75
50	mTOR-Dependent Oxidative Stress Regulates oxLDL-Induced Trained Innate Immunity in Human Monocytes. Frontiers in Immunology, 2018, 9, 3155.	2.2	75
51	Tumor necrosis factorâ€Î± plays an important role in restenosis development. FASEB Journal, 2005, 19, 1998-2004.	0.2	73
52	Divergent effects of quercetin conjugates on angiogenesis. British Journal of Nutrition, 2006, 95, 1016-1023.	1.2	71
53	p38 MAPK inhibition is critically involved in VEGFR-2-mediated endothelial cell survival. Biochemical and Biophysical Research Communications, 2003, 306, 730-736.	1.0	66
54	Replacement and reactive myocardial fibrosis in idiopathic dilated cardiomyopathy: comparison of magnetic resonance imaging with right ventricular biopsy. European Journal of Heart Failure, 2010, 12, 227-231.	2.9	66

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55	Systemic Depletion of Macrophages by Liposomal Bisphosphonates Reduces Neointimal Formation Following Balloon-Injury in the Rat Carotid Artery. Journal of Cardiovascular Pharmacology, 2003, 42, 671-679.	0.8	65
56	Genetic Inflammatory Factors Predict Restenosis After Percutaneous Coronary Interventions. Circulation, 2005, 112, 2417-2425.	1.6	65
57	Prevalence of unknown atrial fibrillation in patients with risk factors. Europace, 2013, 15, 657-662.	0.7	64
58	Tricyclic quinoxalines as potent kinase inhibitors of PDGFR kinase, Flt3 and Kit. Bioorganic and Medicinal Chemistry, 2003, 11, 2007-2018.	1.4	62
59	Selective Pressure-Regulated retroinfusion of fibroblast growth factor-2 into the coronary vein enhances regional myocardial blood flow and function in pigs with chronic myocardial ischemia. Journal of the American College of Cardiology, 2003, 42, 1120-1128.	1.2	62
60	Local Delivery of Platelet-Derived Growth Factor Receptorâ€“Specific Tyrphostin Inhibits Neointimal Formation in Rats. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 667-676.	1.1	61
61	MAZ51, an indolinone that inhibits endothelial cell and tumor cell growthin vitro, suppresses tumor growthin vivo. International Journal of Cancer, 2004, 112, 986-993.	2.3	59
62	Current PTCA practice and clinical outcomes in The Netherlands: the real world in the pre-drug-eluting stent era. European Heart Journal, 2004, 25, 1163-1170.	1.0	57
63	Mechanisms of Trained Innate Immunity in oxLDL Primed Human Coronary Smooth Muscle Cells. Frontiers in Immunology, 2019, 10, 13.	2.2	56
64	Coordinated activation of VEGFR-1 and VEGFR-2 is a potent arteriogenic stimulus leading to enhancement of regional perfusion. Cardiovascular Research, 2004, 61, 789-795.	1.8	53
65	Impaired Collateral Recruitment and Outward Remodeling in Experimental Diabetes. Diabetes, 2008, 57, 2818-2823.	0.3	53
66	Clinical implications of microvascular obstruction and intramyocardial haemorrhage in acute myocardial infarction using cardiovascular magnetic resonance imaging. European Radiology, 2010, 20, 2572-2578.	2.3	53
67	Detection and characteristics of microvascular obstruction in reperfused acute myocardial infarction using an optimized protocol for contrast-enhanced cardiovascular magnetic resonance imaging. European Radiology, 2009, 19, 2904-2912.	2.3	52
68	Feed-forward Signaling by Membrane-bound Ligand Receptor Circuit. Journal of Biological Chemistry, 2010, 285, 40681-40689.	1.6	52
69	New prospects in the roles of the C-terminal domains of VEGF-A and their cooperation for ligand binding, cellular signaling and vessels formation. Angiogenesis, 2013, 16, 353-371.	3.7	51
70	Chemically sulfatedEscherichia coliK5 polysaccharide derivatives as extracellular HIV-1 Tat protein antagonists. FEBS Letters, 2004, 568, 171-177.	1.3	50
71	Ischemia-Induced Transplant Arteriosclerosis in the Rat. Arteriosclerosis, Thrombosis, and Vascular Biology, 1996, 16, 1516-1523.	1.1	48
72	Mechanistic Basis for the Potent Anti-Angiogenic Activity of Semaphorin 3F. Biochemistry, 2013, 52, 7551-7558.	1.2	47

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73	Electrocardiographic changes during therapeutic hypothermia. Resuscitation, 2012, 83, 602-606.	1.3	45
74	Anti-VEGFR-2 scFvs for Cell Isolation. Single-Chain Antibodies Recognizing the Human Vascular Endothelial Growth Factor Receptor-2 (VEGFR-2/flk-1) on the Surface of Primary Endothelial Cells and Preselected CD34+Cells from Cord Blood. Stem Cells, 2001, 19, 24-36.	1.4	44
75	Integrin Î±VÎ²3as a Target for Blocking HIV-1 Tat-Induced Endothelial Cell Activation In Vitro and Angiogenesis In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2315-2320.	1.1	44
76	Randomized Control of Sympathetic Drive With Continuous Intravenous Esmolol in Patients With Acute ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Interventions, 2016, 9, 231-240.	1.1	44
77	HCMV infection of human vascular smooth muscle cells leads to enhanced expression of functionally intact PDGF Î²-receptor. Cardiovascular Research, 2005, 67, 151-160.	1.8	42
78	Sonic hedgehog is a potent chemoattractant for human monocytes: diabetes mellitus inhibits Sonic hedgehog-induced monocyte chemotaxis. Basic Research in Cardiology, 2010, 105, 61-71.	2.5	40
79	CHADS2 and CHA2DS2-VASc score of patients with atrial fibrillation or flutter and newly detected left atrial thrombus. Clinical Research in Cardiology, 2013, 102, 139-144.	1.5	40
80	Smoking-Induced Monocyte Dysfunction Is Reversed by Vitamin C Supplementation In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 120-126.	1.1	38
81	TGF-Î²1/ALK5-induced monocyte migration involves PI3K and p38 pathways and is not negatively affected by diabetes mellitus. Cardiovascular Research, 2011, 91, 510-518.	1.8	38
82	Intimal Hyperplasia and Expression of Transforming Growth Factor-Î²1 in Saphenous Veins and Internal Mammary Arteries Before Coronary Artery Surgery. Annals of Thoracic Surgery, 2004, 78, 1312-1318.	0.7	37
83	Intracoronary infusion of autologous mononuclear bone marrow cells in patients with acute myocardial infarction treated with primary PCI: Pilot study of the multicenter HEBE trial. Catheterization and Cardiovascular Interventions, 2008, 71, 273-281.	0.7	36
84	Diabetes mellitus and female gender are the strongest predictors of poor collateral vessel development in patients with severe coronary artery stenosis. Angiogenesis, 2015, 18, 201-207.	3.7	36
85	Accumulation of Zinc in Human Atherosclerotic Lesions Correlates With Calcium Levels But Does Not Protect Against Protein Oxidation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1024-1030.	1.1	35
86	Real-world experience with a novel biodegradable polymer sirolimus-eluting stent: twelve-month results of the BIOFLOW-III registry. EuroIntervention, 2016, 11, 1106-1110.	1.4	35
87	Direct detection of nano-scale extracellular vesicles derived from inflammation-triggered endothelial cells using surface plasmon resonance. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1663-1671.	1.7	34
88	Impact of copeptin on diagnosis, risk stratification, and intermediate-term prognosis of acute coronary syndromes. Clinical Research in Cardiology, 2013, 102, 755-763.	1.5	33
89	Leptin-induced transphosphorylation of vascular endothelial growth factor receptor increases Notch and stimulates endothelial cell angiogenic transformation. International Journal of Biochemistry and Cell Biology, 2016, 79, 139-150.	1.2	33
90	Edoxaban for stroke prevention in atrial fibrillation in routine clinical care: 1-year follow-up of the prospective observational ETNA-AF-Europe study. European Heart Journal - Cardiovascular Pharmacotherapy, 2021, 7, f30-f39.	1.4	33

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91	Interpretation and actionability of genetic variants in cardiomyopathies: a position statement from the European Society of Cardiology Council on cardiovascular genomics. European Heart Journal, 2022, 43, 1901-1916.	1.0	32
92	Restenosis after percutaneous coronary intervention is associated with the angiotensin-II type-1 receptor 1166A/C polymorphism but not with polymorphisms of angiotensin-converting enzyme, angiotensin-II receptor, angiotensinogen or heme oxygenase-1. Pharmacogenetics and Genomics, 2006, 16, 331-337.	0.7	31
93	The soluble guanylyl cyclase inhibitor NS-2028 reduces vascular endothelial growth factor-induced angiogenesis and permeability. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R824-R832.	0.9	31
94	Exercise delays neutrophil apoptosis by a G-CSF-dependent mechanism. Journal of Applied Physiology, 2012, 113, 1082-1090.	1.2	30
95	Hh signaling in regeneration of the ischemic heart. Cellular and Molecular Life Sciences, 2017, 74, 3481-3490.	2.4	30
96	The BTB-Kelch Protein KLEIP Controls Endothelial Migration and Sprouting Angiogenesis. Circulation Research, 2007, 100, 1155-1163.	2.0	29
97	<scp>BMP</scp>â€2 induces human mononuclear cell chemotaxis and adhesion and modulates monocyteâ€toâ€macrophage differentiation. Journal of Cellular and Molecular Medicine, 2018, 22, 5429-5438.	1.6	29
98	Characteristics of patients initiated on edoxaban in Europe: baseline data from edoxaban treatment in routine clinical practice for patients with atrial fibrillation (AF) in Europe (ETNA-AF-Europe). BMC Cardiovascular Disorders, 2019, 19, 165.	0.7	29
99	Predictors and Outcome of Early-Onset Pneumonia After Out-of-Hospital Cardiac Arrest. Respiratory Care, 2013, 58, 1514-1520.	0.8	28
100	Impact of Selection Bias on Estimation of Subsequent Event Risk. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	28
101	OxLDL-mediated immunologic memory in endothelial cells. Journal of Molecular and Cellular Cardiology, 2020, 146, 121-132.	0.9	28
102	VEGF-A-induced chemotaxis of CD16+ monocytes is decreased secondary to lower VEGFR-1 expression. Atherosclerosis, 2011, 215, 331-338.	0.4	27
103	Photochemical internalization augments tumor vascular cytotoxicity and specificity of VEGF121/rGel fusion toxin. Journal of Controlled Release, 2014, 180, 1-9.	4.8	26
104	Hyaluronan/Collagen Hydrogels with Sulfated Hyaluronan for Improved Repair of Vascularized Tissue Tune the Binding of Proteins and Promote Endothelial Cell Growth. Macromolecular Bioscience, 2017, 17, 1700154.	2.1	26
105	Hyperglycaemia-induced methylglyoxal accumulation potentiates VEGF resistance of diabetic monocytes through the aberrant activation of tyrosine phosphatase SHP-2/SRC kinase signalling axis. Scientific Reports, 2018, 8, 14684.	1.6	26
106	Signalling properties of an HIV-encoded angiogenic peptide mimicking vascular endothelial growth factor activity. Biochemical Journal, 2001, 353, 569.	1.7	25
107	Enhanced functional response of CD133+ circulating progenitor cells in patients early after acute myocardial infarction. European Heart Journal, 2008, 29, 241-250.	1.0	25
108	Non-invasive ventilation in immunosuppressed patients with pneumonia and extrapulmonary sepsis. Respiratory Medicine, 2012, 106, 1509-1516.	1.3	25

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109	Molecular and cellular insights into the pathogenesis of coronary artery ectasia. Cardiovascular Pathology, 2018, 35, 37-47.	0.7	25
110	Design and rationale of the Edoxaban Treatment in routiNe clinical prActice for patients with Atrial Fibrillation in Europe (ETNA-AF-Europe) study. Journal of Cardiovascular Medicine, 2019, 20, 97-104.	0.6	24
111	Elective High-Risk Percutaneous Coronary Interventions Supported by Extracorporeal Life Support. American Journal of Cardiology, 2007, 99, 771-773.	0.7	23
112	Vitamin D receptor: a new risk marker for clinical restenosis after percutaneous coronary intervention. Expert Opinion on Therapeutic Targets, 2010, 14, 243-251.	1.5	23
113	Visualization of Coronary Wall Atherosclerosis in Asymptomatic Subjects and Patients with Coronary Artery Disease Using Magnetic Resonance Imaging. PLoS ONE, 2010, 5, e12998.	1.1	23
114	Circulating cells as predictors of secondary manifestations of cardiovascular disease: design of the CIRCULATING CELLS study. Clinical Research in Cardiology, 2013, 102, 847-856.	1.5	23
115	Sulfated Hyaluronan Alters Endothelial Cell Activationin Vitroby Controlling the Biological Activity of the Angiogenic Factors Vascular Endothelial Growth Factor-A and Tissue Inhibitor of Metalloproteinase-3. ACS Applied Materials & Interfaces, 2017, 9, 9539-9550.	4.0	23
116	Progress in cardiac research: from rebooting cardiac regeneration to a complete cell atlas of the heart. Cardiovascular Research, 2021, 117, 2161-2174.	1.8	23
117	Detection of coronary plaques using MR coronary vessel wall imaging: validation of findings with intravascular ultrasound. European Radiology, 2013, 23, 115-124.	2.3	22
118	Association of Chromosome 9p21 With Subsequent Coronary Heart Disease Events. Circulation Genomic and Precision Medicine, 2019, 12, e002471.	1.6	22
119	Serum brain-derived neurotrophic factor and stability of depressive symptoms in coronary heart disease patients: A prospective study. Psychoneuroendocrinology, 2017, 77, 196-202.	1.3	20
120	Monocyte function and trafficking in cardiovascular disease. Thrombosis and Haemostasis, 2012, 108, 804-811.	1.8	19
121	Light-enhanced VEGF121/rGel: A tumor targeted modality with vascular and immune-mediated efficacy. Journal of Controlled Release, 2018, 288, 161-172.	4.8	19
122	Noninvasive diagnosis of ruptured peripheral atherosclerotic lesions and myocardial infarction by antibody profiling. Journal of Clinical Investigation, 2008, 118, 2979-85.	3.9	19
123	â€“455 G/A polymorphism and preprocedural plasma levels of fibrinogen show no association with the risk of clinical restenosis in patients with coronary stent placement. Thrombosis and Haemostasis, 2005, 93, 564-569.	1.8	18
124	Long term outcome after mononuclear bone marrow or peripheral blood cells infusion after myocardial infarction. Heart, 2015, 101, 363-368.	1.2	18
125	Long-term protection and mechanism of pacing-induced postconditioning in the heart. Basic Research in Cardiology, 2010, 105, 523-533.	2.5	17
126	Strenuous physical exercise adversely affects monocyte chemotaxis. Thrombosis and Haemostasis, 2011, 105, 122-130.	1.8	17

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127	Clinical Pacing Post-Conditioning During Revascularization After AMI. JACC: Cardiovascular Imaging, 2014, 7, 620-626.	2.3	17
128	Subsequent Event Risk in Individuals With Established Coronary Heart Disease. Circulation Genomic and Precision Medicine, 2019, 12, e002470.	1.6	17
129	Pacemaker lead infection and related bacteraemia caused by normal and small colony variant phenotypes of Bacillus licheniformis. Journal of Medical Microbiology, 2013, 62, 940-944.	0.7	16
130	Hyperglycemia-induced endothelial dysfunction is alleviated by thioredoxin mimetic peptides through the restoration of VEGFR-2-induced responses and improved cell survival. International Journal of Cardiology, 2020, 308, 73-81.	0.8	15
131	Growth factor signal transduction defects in the cardiovascular system. Cardiovascular Research, 2005, 65, 574-580.	1.8	14
132	Inflammation and apoptosis genes and the risk of restenosis after percutaneous coronary intervention. Pharmacogenetics and Genomics, 2006, 16, 747-754.	0.7	14
133	Arrhythmogenic right ventricular cardiomyopathy. Herzschrittmachertherapie Und Elektrophysiologie, 2012, 23, 186-195.	0.3	14
134	Frequency of atrial thrombus formation in patients with atrial fibrillation under treatment with non-vitamin K oral anticoagulants in comparison to vitamin K antagonists: a systematic review and meta-analysis. European Journal of Medical Research, 2018, 23, 49.	0.9	14
135	Platelet-derived endothelial cell growth factor Pharmacokinetics, organ distribution and degradation after intravenous administration in rats. FEBS Letters, 1992, 313, 129-132.	1.3	13
136	Cytotoxicity of VEGF121/rGel on vascular endothelial cells resulting in inhibition of angiogenesis is mediated via VEGFR-2. BMC Cancer, 2011, 11, 358.	1.1	12
137	Evaluation of the electrocardiogram in identifying and quantifying lateral involvement in nonanterior wall infarction using cardiovascular magnetic resonance imaging. Journal of Electrocardiology, 2012, 45, 478-484.	0.4	12
138	Ecchymosis: A novel sign in patients with varicose veins. Clinical Hemorheology and Microcirculation, 2018, 68, 413-419.	0.9	12
139	Five-Year Results of the Bioflow-III Registry: Real-World Experience with a Biodegradable Polymer Sirolimus-Eluting Stent. Cardiovascular Revascularization Medicine, 2020, 21, 63-69.	0.3	12
140	Stress testing at the cellular and molecular level to unravel cellular dysfunction and growth factor signal transduction defects: What Molecular Cell Biology can learn from Cardiology. Thrombosis and Haemostasis, 2007, 98, 975-979.	1.8	11
141	Reduced metal ion concentrations in atherosclerotic plaques from subjects with Type 2 diabetes mellitus. Atherosclerosis, 2012, 222, 512-518.	0.4	11
142	Association of Factor V Leiden With Subsequent Atherothrombotic Events. Circulation, 2020, 142, 546-555.	1.6	11
143	The influence of established genetic variation in the haemostatic system on clinical restenosis after percutaneous coronary interventions. Thrombosis and Haemostasis, 2007, 98, 1323-1328.	1.8	10
144	Cathepsin Enzymes and Cystatin C: Do They Play a Role in Positive Arterial Remodeling?. Stroke, 2009, 40, e26-7; author reply e28.	1.0	10

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145	Neovascularization in the human heart is associated with expression of VEGF-A and its receptors Flt-1 (VEGFR-1) and KDR (VEGFR-2). Results from cardiomyopexy in ischemic cardiomyopathy. Angiogenesis, 1999, 3, 345-351.	3.7	9
146	G-CSF therapy reduces myocardial repolarization reserve in the presence of increased arteriogenesis, angiogenesis and connexin 43 expression in an experimental model of pacing-induced heart failure. Basic Research in Cardiology, 2011, 106, 995-1008.	2.5	9
147	Ectopic thyroid mass in the heart. Lancet, The, 2012, 379, 1762.	6.3	9
148	Human cytomegalovirus infection impairs endothelial cell chemotaxis by disturbing VEGF signalling and actin polymerization. Cardiovascular Research, 2014, 104, 315-325.	1.8	9
149	Hyaluronan/Collagen Hydrogels with Sulfated Glycosaminoglycans Maintain VEGF₁₆₅ Activity and Fine-Tune Endothelial Cell Response. ACS Applied Bio Materials, 2021, 4, 494-506.	2.3	9
150	Vascular Stem and Progenitor Cells in Diabetic Complications. Experimental Diabetes Research, 2012, 2012, 1-2.	3.8	8
151	Cryopreservation of primary human monocytes does not negatively affect their functionality or their ability to be labelled with radionuclides: basis for molecular imaging and cell therapy. EJNMMI Research, 2016, 6, 77.	1.1	8
152	Low density lipoprotein interferes with intracellular signaling of monocytes resulting in impaired chemotaxis and enhanced chemokinesis. International Journal of Cardiology, 2018, 255, 160-165.	0.8	8
153	Transforming growth factorâ€Î²1 signalling triggers vascular endothelial growth factor resistance and monocyte dysfunction in type 2 diabetes mellitus. Journal of Cellular and Molecular Medicine, 2021, 25, 5316-5325.	1.6	8
154	Title is missing!. Angiogenesis, 1998, 2, 115-117.	3.7	7
155	Vascular Potency of Sus Scrofa Bone Marrowâ€“Derived Mesenchymal Stem Cells: A Progenitor Source of Medial but Not Endothelial Cells. Tissue Engineering - Part A, 2012, 18, 828-839.	1.6	7
156	Activity of daily living is associated with circulating CD34+/KDR+ cells and granulocyte colony-stimulating factor levels in patients after myocardial infarction. Journal of Applied Physiology, 2014, 116, 532-537.	1.2	7
157	Increased expression of cystatin C and transforming growth factor Î²-1 in calcific aortic valves. International Journal of Cardiology, 2014, 176, 1252-1254.	0.8	7
158	Expression of Hedgehog signaling molecules in human atherosclerotic lesions: An autopsy study. International Journal of Cardiology, 2015, 201, 462-464.	0.8	7
159	Common Data Elements for Acute Coronary Syndrome: Analysis Based on the Unified Medical Language System. JMIR Medical Informatics, 2019, 7, e14107.	1.3	7
160	Transfection of the DNA for the Receptor KDR/flk-1 Attenuates Neointimal Proliferation and Luminal Narrowing in a Coronary Stent Angioplasty Model. Journal of Surgical Research, 2006, 136, 120-124.	0.8	6
161	Increased Platelet Reactivity Is Associated with Circulating Platelet-Monocyte Complexes and Macrophages in Human Atherosclerotic Plaques. PLoS ONE, 2014, 9, e105019.	1.1	6
162	Monocyte dysfunction as a previously unrecognized pathophysiological mechanism in ApoEâ^'/â^' mice contributing to impaired arteriogenesis. International Journal of Cardiology, 2015, 190, 214-216.	0.8	6

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163	Coronary Artery Calcium as an Independent Surrogate Marker in the Risk Assessment of Patients With Atrial Fibrillation and an Intermediate Pretest Likelihood for Coronary Artery Disease Admitted to a German Chest Pain Unit. Clinical Cardiology, 2016, 39, 157-164.	0.7	6
164	Depressive symptoms and health care within 30 days after discharge from a cardiac hospital unit. General Hospital Psychiatry, 2019, 56, 19-27.	1.2	6
165	The Relationship between Fractional Flow Reserve, Platelet Reactivity and Platelet Leukocyte Complexes in Stable Coronary Artery Disease. PLoS ONE, 2013, 8, e83198.	1.1	5
166	The orphan receptor GPRC5B activates pro-inflammatory signaling in the vascular wall via Fyn and NFÎºB. Biochemical and Biophysical Research Communications, 2022, 592, 60-66.	1.0	5
167	Modulation of growth factor action in the cardiovascular system. Cardiovascular Research, 2005, 65, 547-549.	1.8	4
168	The relationships between cardiovascular magnetic resonance imaging variables of acute myocardial infarction and both left ventricular dysfunction and immediate postreperfusion ST segment recovery. Journal of Electrocardiology, 2011, 44, 561-567.	0.4	4
169	The year in basic vascular biology research: from mechanoreceptors and neutrophil extracellular traps to smartphone data and omics. Cardiovascular Research, 2021, 117, 1814-1822.	1.8	4
170	Characterization of indolinones which preferentially inhibit VEGF-C- and VEGF-D-induced activation of VEGFR-3 rather than VEGFR-2. , 2001, 268, 5530.		4
171	Monocyte function is severely impaired by the fluorochrome calcein acetomethylester. Biochemical and Biophysical Research Communications, 2007, 361, 410-413.	1.0	3
172	Monocyte function rather than number is a prerequisite for the stimulation of collateral growth. Atherosclerosis, 2008, 196, 485-486.	0.4	3
173	Vascular endothelial growth factor protein levels and gene expression in peripheral monocytes after stenting: a randomized comparative study of sirolimus-eluting and bare-metal stents. European Heart Journal, 2008, 29, 1924-1925.	1.0	3
174	Cardiac computed tomography in patients with symptomatic new-onset atrial fibrillation, rule-out acute coronary syndrome, but with intermediate pretest probability for coronary artery disease admitted to a chest pain unit. European Journal of Medical Research, 2018, 23, 6.	0.9	3
175	Prediction Power on Cardiovascular Disease of Neuroimmune Guidance Cues Expression by Peripheral Blood Monocytes Determined by Machine-Learning Methods. International Journal of Molecular Sciences, 2020, 21, 6364.	1.8	3
176	Anxiety disorders and post-traumatic stress disorder in patients with coronary heart disease. Journal of Affective Disorders Reports, 2020, 1, 100009.	0.9	3
177	Individual patient data analysis of the BIOFLOW study program comparing safety and efficacy of a bioresorbable polymer sirolimus eluting stent to a durable polymer everolimus eluting stent. Catheterization and Cardiovascular Interventions, 2020, 98, 848-856.	0.7	3
178	Stress testing at the cellular and molecular level to unravel cellular dysfunction and growth factor signal transduction defects: what Molecular Cell Biology can learn from Cardiology. Thrombosis and Haemostasis, 2007, 98, 975-9.	1.8	3
179	ACE inhibitors and statins for bone marrow failure following myocardial infarction?. Cardiovascular Research, 2006, 70, 1-2.	1.8	2
180	Limits to Growth of Native Collateral Vessels. Circulation Research, 2009, 105, 9-11.	2.0	2

#	Article	IF	Citations
181	Chemotaxis analysis of circulating monocytes in patients with a recent acute coronary syndrome. Atherosclerosis, 2009, 204, 304-308.	0.4	2
182	Re: Is Varicocele Associated With Underlying Venous Abnormalities? Varicocele and the Prostatic Venous Plexus. Journal of Urology, 2009, 181, 1963-1964.	0.2	2
183	A rare cause of fatal right ventricular cardiac decompensation. Cardiovascular Pathology, 2012, 21, 515-518.	0.7	2
184	Monocyte responsiveness towards different arteriogenic stimuli: A functional comparison of various chemoattractants and their combinations. Thrombosis and Haemostasis, 2006, 96, 857-858.	1.8	1
185	Small Is Beautiful. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 701-702.	1.1	1
186	High-dose atorvastatin is associated with impaired myocardial angiogenesis in response to vascular endothelial growth factor in hypercholesterolemic swine: Relevance to the human situation?. Journal of Thoracic and Cardiovascular Surgery, 2007, 133, 1685-1686.	0.4	1
187	Oiling vascular growth: adipokines can induce (pathological) angiogenesis by using the VEGF/VEGFR system: EXPERTS' PERSPECTIVE. Cardiovascular Research, 2012, 96, 220-222.	1.8	1
188	Angiogenesis and Arteriogenesis in Diabetes Mellitus: Signal Transduction Defects as the Molecular Basis of Vascular Cell Dysfunction. , 2007, , 33-73.		1
189	Regenerative cardiology: There are various ways to prosper. Thrombosis and Haemostasis, 2005, 94, 695-6.	1.8	1
190	A novel breast cancer cell line initially established from pleural effusion: Evolution towards a more aggressive phenotype. International Journal of Oncology, 2007, , .	1.4	0
191	Macromol. Biosci. 11/2017. Macromolecular Bioscience, 2017, 17, .	2.1	0
192	Scientists on the Spot: The past, present, and future of the Council on Basic Cardiovascular Science. Cardiovascular Research, 2018, 114, e74-e75.	1.8	0
193	Depressive symptoms and health care within 30â€¯days after discharge from a cardiac hospital unit: Response letter to the editor. General Hospital Psychiatry, 2020, 62, 100-101.	1.2	0
194	Therapeutic Angiogenesis for the Heart. , 2002, , 279-293.		0
195	The Contact Activation Coagulation Pathway Is Involved in (Recurrent) Coronary Disease.. Blood, 2007, 110, 129-129.	0.6	0
196	Newly identified biologically active and proteolysis-resistant VEGF-A isoform VEGF111 is induced by genotoxic agents. Journal of Experimental Medicine, 2008, 205, i2-i2.	4.2	0
197	A European multicentre, randomised study of the MAR-Tyn cobalt chromium tin-coated stent in patients with de novo coronary artery lesions: study design and protocol. EuroIntervention, 2010, 5, 976-980.	1.4	0
198	VEGF Signaling in Normal and Tumor Angiogenesis. , 2013, , 1-36.		0

#	Article	IF	Citations
199	Frontiers of CardioVascular Biomedicine 2022 Budapest is on in person! The excellent program proves that scientists won against Covid-19. Cardiovascular Research, 2022, , .	1.8	0