

# Michele Cicarelli

## List of Publications by Citations

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

90  
papers

2,207  
citations

27  
h-index

44  
g-index

103  
ext. papers

2,989  
ext. citations

5.9  
avg, IF

4.73  
L-index

#	Paper	IF	Citations
90	Ischemic neoangiogenesis enhanced by beta2-adrenergic receptor overexpression: a novel role for the endothelial adrenergic system. <i>Circulation Research</i> , <b>2005</b> , 97, 1182-9	15.7	140
89	G protein-coupled receptor kinase 2 activity impairs cardiac glucose uptake and promotes insulin resistance after myocardial ischemia. <i>Circulation</i> , <b>2011</b> , 123, 1953-62	16.7	123
88	Exercise promotes angiogenesis and improves beta-adrenergic receptor signalling in the post-ischaemic failing rat heart. <i>Cardiovascular Research</i> , <b>2008</b> , 78, 385-94	9.9	99
87	The G-protein-coupled receptor kinase 5 inhibits NFkappaB transcriptional activity by inducing nuclear accumulation of IkappaB alpha. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 17818-23	11.5	93
86	In vivo properties of the proangiogenic peptide QK. <i>Journal of Translational Medicine</i> , <b>2009</b> , 7, 41	8.5	85
85	AKT participates in endothelial dysfunction in hypertension. <i>Circulation</i> , <b>2004</b> , 109, 2587-93	16.7	73
84	Inflammatory mediators in a short-time mouse model of doxorubicin-induced cardiotoxicity. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 293, 44-52	4.6	68
83	The innate immune system in chronic cardiomyopathy: a European Society of Cardiology (ESC) scientific statement from the Working Group on Myocardial Function of the ESC. <i>European Journal of Heart Failure</i> , <b>2018</b> , 20, 445-459	12.3	67
82	G protein-coupled receptor kinase 2: a link between myocardial contractile function and cardiac metabolism. <i>Circulation Research</i> , <b>2014</b> , 114, 1661-70	15.7	62
81	Empagliflozin improves endothelial and cardiomyocyte function in human heart failure with preserved ejection fraction via reduced pro-inflammatory-oxidative pathways and protein kinase G oxidation. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 495-507	9.9	60
80	Beta(2)-adrenergic receptor gene delivery to the endothelium corrects impaired adrenergic vasorelaxation in hypertension. <i>Circulation</i> , <b>2002</b> , 106, 349-55	16.7	59
79	Complex roads from genotype to phenotype in dilated cardiomyopathy: scientific update from the Working Group of Myocardial Function of the European Society of Cardiology. <i>Cardiovascular Research</i> , <b>2018</b> , 114, 1287-1303	9.9	57
78	G protein-coupled receptor kinase 2 in patients with acute myocardial infarction. <i>American Journal of Cardiology</i> , <b>2011</b> , 107, 1125-30	3	55
77	Enhanced GRK2 expression and desensitization of betaAR vasodilatation in hypertensive patients. <i>Clinical and Translational Science</i> , <b>2008</b> , 1, 215-20	4.9	52
76	β-Adrenergic receptor stimulation improves endothelial progenitor cell-mediated ischemic neoangiogenesis. <i>Circulation Research</i> , <b>2013</b> , 112, 1026-34	15.7	50
75	Endothelial beta2 adrenergic signaling to AKT: role of Gi and SRC. <i>Cellular Signalling</i> , <b>2007</b> , 19, 1949-55	4.9	48
74	Physical activity ameliorates cardiovascular health in elderly subjects: the functional role of the β adrenergic system. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 209	4.6	46

73	The novel butyrate derivative phenylalanine-butyramide protects from doxorubicin-induced cardiotoxicity. <i>European Journal of Heart Failure</i> , <b>2019</b> , 21, 519-528	12.3	45
72	Myocardial Ablation of G Protein-Coupled Receptor Kinase 2 (GRK2) Decreases Ischemia/Reperfusion Injury through an Anti-Intrinsic Apoptotic Pathway. <i>PLoS ONE</i> , <b>2013</b> , 8, e66234	3.7	45
71	Adrenergic receptors and metabolism: role in development of cardiovascular disease. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 265	4.6	42
70	Targeting the CaMKII/ERK Interaction in the Heart Prevents Cardiac Hypertrophy. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130477	3.7	39
69	Impaired neoangiogenesis in $\beta$ -adrenoceptor gene-deficient mice: restoration by intravascular human $\beta$ -adrenoceptor gene transfer and role of NF $\kappa$ B and CREB transcription factors. <i>British Journal of Pharmacology</i> , <b>2011</b> , 162, 712-21	8.6	38
68	CaMKII Activity in the Inflammatory Response of Cardiac Diseases. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	30
67	Integrating GRK2 and NF $\kappa$ B in the Pathophysiology of Cardiac Hypertrophy. <i>Journal of Cardiovascular Translational Research</i> , <b>2015</b> , 8, 493-502	3.3	30
66	Cardiovascular risk factors and mortality in hospitalized patients with COVID-19: systematic review and meta-analysis of 45 studies and 18,300 patients. <i>BMC Cardiovascular Disorders</i> , <b>2021</b> , 21, 23	2.3	29
65	Functional Role of Mitochondria in Arrhythmogenesis. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 982, 191-202	3.6	28
64	Endothelial G protein-coupled receptor kinase 2 regulates vascular homeostasis through the control of free radical oxygen species. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 2415-24	9.4	27
63	AAV6- $\beta$ ARKct gene delivery mediated by molecular cardiac surgery with recirculating delivery (MCARD) in sheep results in robust gene expression and increased adrenergic reserve. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 143, 720-726.e3	1.5	26
62	Towards standardization of echocardiography for the evaluation of left ventricular function in adult rodents: a position paper of the ESC Working Group on Myocardial Function. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 43-59	9.9	25
61	Safety and efficacy of non-vitamin K antagonist oral anticoagulants in elderly patients with atrial fibrillation: systematic review and meta-analysis of 22 studies and 440 281 patients. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , <b>2021</b> , 7, f20-f29	6.4	23
60	Dermcidin: a skeletal muscle myokine modulating cardiomyocyte survival and infarct size after coronary artery ligation. <i>Cardiovascular Research</i> , <b>2015</b> , 107, 431-41	9.9	22
59	GRK2 moderates the acute mitochondrial damage to ionizing radiation exposure by promoting mitochondrial fission/fusion. <i>Cell Death Discovery</i> , <b>2018</b> , 4, 25	6.9	22
58	Cardiotoxic Effects of Short-Term Doxorubicin Administration: Involvement of Connexin 43 in Calcium Impairment. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	22
57	We are What We Eat: Impact of Food from Short Supply Chain on Metabolic Syndrome. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	21
56	Trafficking GRK2: Cellular and Metabolic consequences of GRK2 subcellular localization. <i>Translational Medicine @ UniSa</i> , <b>2014</b> , 10, 3-7	0.5	20

55	Non-coding RNAs: update on mechanisms and therapeutic targets from the ESC Working Groups of Myocardial Function and Cellular Biology of the Heart. <i>Cardiovascular Research</i> , <b>2020</b> , 116, 1805-1819	9.9	18
54	Cross-Talk between Neurohormonal Pathways and the Immune System in Heart Failure: A Review of the Literature. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	17
53	Cardiac dysfunction in cancer patients: beyond direct cardiomyocyte damage of anticancer drugs: novel cardio-oncology insights from the joint 2019 meeting of the ESC Working Groups of Myocardial Function and Cellular Biology of the Heart. <i>Cardiovascular Research</i> , <b>2020</b> , 116, 1820-1834	9.9	17
52	"Freeze, Don't Move": How to Arrest a Suspect in Heart Failure - A Review on Available GRK2 Inhibitors. <i>Frontiers in Cardiovascular Medicine</i> , <b>2016</b> , 3, 48	5.4	17
51	Growth inhibition of human hepatocellular carcinoma cells by overexpression of G-protein-coupled receptor kinase 2. <i>Journal of Cellular Physiology</i> , <b>2012</b> , 227, 2371-7	7	16
50	GRK2 at the control shaft of cellular metabolism. <i>Current Pharmaceutical Design</i> , <b>2012</b> , 18, 121-7	3.3	16
49	PD-L1 Dysregulation in COVID-19 Patients. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 695242	8.4	16
48	Prior exercise improves age-dependent vascular endothelial growth factor downregulation and angiogenesis responses to hind-limb ischemia in old rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2007</b> , 62, 471-80	6.4	15
47	Clinical and echocardiographic benefit of Sacubitril/Valsartan in a real-world population with HF with reduced ejection fraction. <i>Scientific Reports</i> , <b>2020</b> , 10, 6665	4.9	15
46	The Role of Oxidative Stress in Cardiovascular Aging and Cardiovascular Diseases. <i>Life</i> , <b>2021</b> , 11,	3	15
45	Parathyroid Hormone Causes Endothelial Dysfunction by Inducing Mitochondrial ROS and Specific Oxidative Signal Transduction Modifications. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 9582319	6.7	15
44	Cellular subtype expression and activation of CaMKII regulate the fate of atherosclerotic plaque. <i>Atherosclerosis</i> , <b>2017</b> , 256, 53-61	3.1	14
43	Vitamin D, parathyroid hormone and cardiovascular risk: the good, the bad and the ugly. <i>Journal of Cardiovascular Medicine</i> , <b>2018</b> , 19, 62-66	1.9	14
42	A Novel Promising Frontier for Human Health: The Beneficial Effects of Nutraceuticals in Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	14
41	Difficult-to-control hypertension: identification of clinical predictors and use of ICT-based integrated care to facilitate blood pressure control. <i>Journal of Human Hypertension</i> , <b>2018</b> , 32, 467-476	2.6	13
40	Timing of national lockdown and mortality in COVID-19: The Italian experience. <i>International Journal of Infectious Diseases</i> , <b>2020</b> , 100, 193-195	10.5	13
39	Antidiabetic and Cardioprotective Effects of Pharmacological Inhibition of GRK2 in db/db Mice. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	12
38	Diazoxide Improves Mitochondrial Connexin 43 Expression in a Mouse Model of Doxorubicin-Induced Cardiotoxicity. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	12

37	Precision and Personalized Medicine: How Genomic Approach Improves the Management of Cardiovascular and Neurodegenerative Disease. <i>Genes</i> , <b>2020</b> , 11,	4.2	12
36	Pharmacological inhibition of GRK2 improves cardiac metabolism and function in experimental heart failure. <i>ESC Heart Failure</i> , <b>2020</b> , 7, 1571-1584	3.7	11
35	The Amino-Terminal Domain of GRK5 Inhibits Cardiac Hypertrophy through the Regulation of Calcium-Calmodulin Dependent Transcription Factors. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	11
34	Role of Endothelial G Protein-Coupled Receptor Kinase 2 in Angioedema. <i>Hypertension</i> , <b>2020</b> , 76, 1625-1636	3.6	10
33	Vascular and metabolic effects of SGLT2i and GLP-1 in heart failure patients. <i>Heart Failure Reviews</i> , <b>2021</b> , 1	5	10
32	Vitamin D: Not Just Bone Metabolism but a Key Player in Cardiovascular Diseases. <i>Life</i> , <b>2021</b> , 11,	3	9
31	Artificial Intelligence as a Business Partner in Cardiovascular Precision Medicine: An Emerging Approach for Disease Detection and Treatment Optimization. <i>Current Medicinal Chemistry</i> , <b>2021</b> , 28, 6569-6590	4.3	8
30	Association Study Between Coronary Artery Disease and rs1333049 Polymorphism at 9p21.3 Locus in Italian Population. <i>Journal of Cardiovascular Translational Research</i> , <b>2017</b> , 10, 455-458	3.3	7
29	Exercise Training and Cardiac Rehabilitation in COVID-19 Patients with Cardiovascular Complications: State of Art. <i>Life</i> , <b>2021</b> , 11,	3	7
28	CaMKII protects MKP-1 from proteasome degradation in endothelial cells. <i>Cellular Signalling</i> , <b>2014</b> , 26, 2167-74	4.9	6
27	Good at Heart: Preserving Cardiac Metabolism during aging. <i>Current Diabetes Reviews</i> , <b>2015</b> , 12, 90-9	2.7	6
26	Pathophysiology of Takotsubo syndrome – a joint scientific statement from the Heart Failure Association Takotsubo Syndrome Study Group and Myocardial Function Working Group of the European Society of Cardiology – Part 2: vascular pathophysiology, gender and sex hormones, and clinical implications. <i>European Journal of Heart Failure</i> , <b>2021</b> , 23, 1213-1224	12.3	6
25	Mechanistic Role of Kinases in the Regulation of Mitochondrial Fitness. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 982, 521-528	3.6	5
24	Cardiac eccentric remodeling in patients with rheumatoid arthritis. <i>Scientific Reports</i> , <b>2018</b> , 8, 5867	4.9	5
23	Post-COVID-19 Syndrome: Involvement and Interactions between Respiratory, Cardiovascular and Nervous Systems.. <i>Journal of Clinical Medicine</i> , <b>2022</b> , 11,	5.1	5
22	Larger Blood Pressure Reduction by Fixed-Dose Compared to Free Dose Combination Therapy of ACE Inhibitor and Calcium Antagonist in Hypertensive Patients. <i>Translational Medicine @ UniSa</i> , <b>2017</b> , 16, 17-23	0.5	5
21	Serum Uric Acid and Left Ventricular Mass in Essential Hypertension. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 570000	5.4	5
20	The Metabolic Role of GRK2 in Insulin Resistance and Associated Conditions. <i>Cells</i> , <b>2021</b> , 10,	7.9	5

19	Reciprocal organ interactions during heart failure: a position paper from the ESC Working Group on Myocardial Function. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 2416-2433	9.9	5
18	Predictors of left ventricular reverse remodeling in patients with chronic heart failure. <i>Journal of Cardiovascular Medicine</i> , <b>2018</b> , 19, 465-469	1.9	3
17	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC working group on myocardial function and the ESC Working Group on Cellular Biology of the Heart.. <i>Cardiovascular Research</i> , <b>2022</b> ,	9.9	3
16	It is easy to see, but it is better to foresee: a case report on the favourable alliance between CardioMEMS and levosimendan. <i>European Heart Journal - Case Reports</i> , <b>2020</b> , 4, 1-5	0.9	3
15	Pathophysiology of Takotsubo Syndrome - a joint scientific statement from the Heart Failure Association Takotsubo Syndrome Study Group and Myocardial Function Working Group of the European Society of Cardiology - Part 1: Overview and the central role for catecholamines and sympathetic nervous system.. <i>European Journal of Heart Failure</i> , <b>2021</b> ,	12.3	3
14	Targeting the ASMase/S1P pathway protects from sortilin-evoked vascular damage in hypertension.. <i>Journal of Clinical Investigation</i> , <b>2022</b> , 132,	15.9	2
13	High Density Lipoprotein Cholesterol Increasing Therapy: The Unmet Cardiovascular Need. <i>Translational Medicine @ UniSa</i> , <b>2015</b> , 12, 29-40	0.5	2
12	Sirt1 Activity in PBMCs as a Biomarker of Different Heart Failure Phenotypes. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	2
11	A Novel Vasoactive Peptide "PG1" from Buffalo Ice-Cream Protects from Angiotensin-Evoked High Blood Pressure. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	2
10	A Novel Small Peptide Inhibitor of NFB, RH10, Blocks Oxidative Stress-Dependent Phenotypes in Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 5801807	6.7	2
9	A Multistep Approach to Deal With Advanced Heart Failure: A Case Report on the Positive Effect of Cardiac Contractility Modulation Therapy on Pulmonary Pressure Measured by CardioMEMS.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2022</b> , 9, 874433	5.4	2
8	Echocardiographically defined haemodynamic categorization predicts prognosis in ambulatory heart failure patients treated with sacubitril/valsartan.. <i>ESC Heart Failure</i> , <b>2022</b> ,	3.7	1
7	Healthberry 865 and Its Related, Specific, Single Anthocyanins Exert a Direct Vascular Action, Modulating Both Endothelial Function and Oxidative Stress. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	1
6	Biomarkers Predict In-Hospital Major Adverse Cardiac Events in COVID-19 Patients: A Multicenter International Study.. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	1
5	A Novel Combination of High-Load Omega-3 Lysine Complex (AvailOm <sup>®</sup> ) and Anthocyanins Exerts Beneficial Cardiovascular Effects. <i>Antioxidants</i> , <b>2022</b> , 11, 896	7.1	0
4	Untargeted lipidomics reveals specific lipid profiles in COVID-19 patients with different severity from Campania region (Italy).. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 217, 114827	3.5	0
3	β-Adrenoceptors in cardiovascular and respiratory diseases287-320		
2	Proangiogenic Effects of β-Adrenergic Receptor Blockade. <i>FASEB Journal</i> , <b>2007</b> , 21, A1212	0.9	

- 1 Predictors of complications in initially haemodynamically stable patients admitted in a modern coronary care unit. *Journal of Cardiovascular Medicine*, **2021**, 22, 553-559 1.9