

# Michele Ciccarelli

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

3,470  
citations

126907

33  
h-index

155660

55  
g-index

80  
all docs

80  
docs citations

80  
times ranked

5496  
citing authors

#	ARTICLE	IF	CITATIONS
1	G Protein-Coupled Receptor Kinase 2 Activity Impairs Cardiac Glucose Uptake and Promotes Insulin Resistance After Myocardial Ischemia. <i>Circulation</i> , 2011, 123, 1953-1962.	1.6	155
2	Ischemic Neoangiogenesis Enhanced by $\beta_2$ -Adrenergic Receptor Overexpression. <i>Circulation Research</i> , 2005, 97, 1182-1189.	4.5	154
3	Early Predictors of Clinical Deterioration in a Cohort of 239 Patients Hospitalized for Covid-19 Infection in Lombardy, Italy. <i>Journal of Clinical Medicine</i> , 2020, 9, 1548.	2.4	147
4	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> , 2018, 20, 445-459.	7.1	118
5	Exercise promotes angiogenesis and improves $\beta_2$ -adrenergic receptor signalling in the post-ischaemic failing rat heart. <i>Cardiovascular Research</i> , 2008, 78, 385-394.	3.8	116
6	The G-protein-coupled receptor kinase 5 inhibits NF $\kappa$ B transcriptional activity by inducing nuclear accumulation of I $\kappa$ B $\alpha$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17818-17823.	7.1	107
7	Vasculitis changes in COVID-19 survivors with persistent symptoms: an [18F]FDG-PET/CT study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1460-1466.	6.4	106
8	Long COVID hallmarks on [18F]FDG-PET/CT: a case-control study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 3187-3197.	6.4	106
9	In vivo properties of the proangiogenic peptide QK. <i>Journal of Translational Medicine</i> , 2009, 7, 41.	4.4	101
10	Macrophage expression and prognostic significance of the long pentraxin PTX3 in COVID-19. <i>Nature Immunology</i> , 2021, 22, 19-24.	14.5	101
11	Inflammatory mediators in a short-time mouse model of doxorubicin-induced cardiotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2016, 293, 44-52.	2.8	94
12	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> , 2018, 114, 1287-1303.	3.8	91
13	AKT Participates in Endothelial Dysfunction in Hypertension. <i>Circulation</i> , 2004, 109, 2587-2593.	1.6	89
14	The novel butyrate derivative phenylalanine-butamide protects from doxorubicin-induced cardiotoxicity. <i>European Journal of Heart Failure</i> , 2019, 21, 519-528.	7.1	80
15	G Protein-Coupled Receptor Kinase 2. <i>Circulation Research</i> , 2014, 114, 1661-1670.	4.5	77
16	$\beta_2$ -Adrenergic Receptor Gene Delivery to the Endothelium Corrects Impaired Adrenergic Vasorelaxation in Hypertension. <i>Circulation</i> , 2002, 106, 349-355.	1.6	73
17	G Protein-Coupled Receptor Kinase 2 in Patients With Acute Myocardial Infarction. <i>American Journal of Cardiology</i> , 2011, 107, 1125-1130.	1.6	73
18	Post-COVID-19 Syndrome: Involvement and Interactions between Respiratory, Cardiovascular and Nervous Systems. <i>Journal of Clinical Medicine</i> , 2022, 11, 524.	2.4	73

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19	Physical activity ameliorates cardiovascular health in elderly subjects: the functional role of the $\beta_2$ adrenergic system. <i>Frontiers in Physiology</i> , 2013, 4, 209.	2.8	68
20	Enhanced GRK2 Expression and Desensitization of $\beta_2$ AR Vasodilatation in Hypertensive Patients. <i>Clinical and Translational Science</i> , 2008, 1, 215-220.	3.1	65
21	$\beta_2$ -Adrenergic Receptor Stimulation Improves Endothelial Progenitor Cell-Mediated Ischemic Neovascularization. <i>Circulation Research</i> , 2013, 112, 1026-1034.	4.5	60
22	The Role of Oxidative Stress in Cardiovascular Aging and Cardiovascular Diseases. <i>Life</i> , 2021, 11, 60.	2.4	60
23	Adrenergic receptors and metabolism: role in development of cardiovascular disease. <i>Frontiers in Physiology</i> , 2013, 4, 265.	2.8	57
24	Endothelial $\beta_2$ adrenergic signaling to AKT: Role of Gi and SRC. <i>Cellular Signalling</i> , 2007, 19, 1949-1955.	3.6	54
25	Myocardial Ablation of G Protein-Coupled Receptor Kinase 2 (GRK2) Decreases Ischemia/Reperfusion Injury through an Anti-Intrinsic Apoptotic Pathway. <i>PLoS ONE</i> , 2013, 8, e66234.	2.5	52
26	Targeting the CaMKII/ERK Interaction in the Heart Prevents Cardiac Hypertrophy. <i>PLoS ONE</i> , 2015, 10, e0130477.	2.5	52
27	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> , 2020, 116, 1820-1834.	3.8	51
28	CaMKII Activity in the Inflammatory Response of Cardiac Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4374.	4.1	50
29	Impaired neovascularization in $\beta_2$ -adrenoceptor gene-deficient mice: restoration by intravascular human $\beta_2$ -adrenoceptor gene transfer and role of NF- $\kappa$ B and CREB transcription factors. <i>British Journal of Pharmacology</i> , 2011, 162, 712-721.	5.4	47
30	We are What We Eat: Impact of Food from Short Supply Chain on Metabolic Syndrome. <i>Journal of Clinical Medicine</i> , 2019, 8, 2061.	2.4	47
31	Integrating GRK2 and NF- $\kappa$ B in the Pathophysiology of Cardiac Hypertrophy. <i>Journal of Cardiovascular Translational Research</i> , 2015, 8, 493-502.	2.4	46
32	Functional Role of Mitochondria in Arrhythmogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2017, 982, 191-202.	1.6	46
33	Precision and Personalized Medicine: How Genomic Approach Improves the Management of Cardiovascular and Neurodegenerative Disease. <i>Genes</i> , 2020, 11, 747.	2.4	44
34	Short-term health-related quality of life, physical function and psychological consequences of severe COVID-19. <i>Annals of Intensive Care</i> , 2021, 11, 91.	4.6	41
35	Cross-Talk between Neurohormonal Pathways and the Immune System in Heart Failure: A Review of the Literature. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1698.	4.1	38
36	Cardiotoxic Effects of Short-Term Doxorubicin Administration: Involvement of Connexin 43 in Calcium Impairment. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2121.	4.1	32

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37	GRK2 moderates the acute mitochondrial damage to ionizing radiation exposure by promoting mitochondrial fission/fusion. <i>Cell Death Discovery</i> , 2018, 4, 25.	4.7	32
38	Parathyroid Hormone Causes Endothelial Dysfunction by Inducing Mitochondrial ROS and Specific Oxidative Signal Transduction Modifications. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-18.	4.0	32
39	A Novel Promising Frontier for Human Health: The Beneficial Effects of Nutraceuticals in Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8706.	4.1	32
40	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> , 2013, 33, 2415-2424.	2.4	31
41	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> , 2012, 143, 720-726.e3.	0.8	30
42	Dermcidin: a skeletal muscle myokine modulating cardiomyocyte survival and infarct size after coronary artery ligation. <i>Cardiovascular Research</i> , 2015, 107, 431-441.	3.8	27
43	Reciprocal organ interactions during heart failure: a position paper from the ESC Working Group on Myocardial Function. <i>Cardiovascular Research</i> , 2021, 117, 2416-2433.	3.8	27
44	Low Incidence of SARS-CoV-2 in Patients with Solid Tumours on Active Treatment: An Observational Study at a Tertiary Cancer Centre in Lombardy, Italy. <i>Cancers</i> , 2020, 12, 2352.	3.7	26
45	Exercise Training and Cardiac Rehabilitation in COVID-19 Patients with Cardiovascular Complications: State of Art. <i>Life</i> , 2021, 11, 259.	2.4	25
46	Diazoxide Improves Mitochondrial Connexin 43 Expression in a Mouse Model of Doxorubicin-Induced Cardiotoxicity. <i>International Journal of Molecular Sciences</i> , 2018, 19, 757.	4.1	22
47	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> , 2018, 32, 467-476.	2.2	22
48	Antidiabetic and Cardioprotective Effects of Pharmacological Inhibition of GRK2 in db/db Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1492.	4.1	22
49	Bronchoalveolar lavage in suspected COVID-19 cases with a negative nasopharyngeal swab: a retrospective cross-sectional study in a high-impact Northern Italy area. <i>Internal and Emergency Medicine</i> , 2021, 16, 1857-1864.	2.0	22
50	Vitamin D: Not Just Bone Metabolism but a Key Player in Cardiovascular Diseases. <i>Life</i> , 2021, 11, 452.	2.4	22
51	“Freeze, Don’t Move”: How to Arrest a Suspect in Heart Failure – A Review on Available GRK2 Inhibitors. <i>Frontiers in Cardiovascular Medicine</i> , 2016, 3, 48.	2.4	21
52	Pharmacological inhibition of GRK2 improves cardiac metabolism and function in experimental heart failure. <i>ESC Heart Failure</i> , 2020, 7, 1571-1584.	3.1	21
53	The role of anti-hypertensive treatment, comorbidities and early introduction of LMWH in the setting of COVID-19: A retrospective, observational study in Northern Italy. <i>International Journal of Cardiology</i> , 2021, 324, 249-254.	1.7	21
54	Impact of active cancer on COVID-19 survival: a matched-analysis on 557 consecutive patients at an Academic Hospital in Lombardy, Italy. <i>British Journal of Cancer</i> , 2021, 125, 358-365.	6.4	21

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55	The Role of Glycemic Variability in Cardiovascular Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8393.	4.1	21
56	Growth inhibition of human hepatocellular carcinoma cells by overexpression of G-protein-coupled receptor kinase 2. <i>Journal of Cellular Physiology</i> , 2012, 227, 2371-2377.	4.1	19
57	Artificial Intelligence as a Business Partner in Cardiovascular Precision Medicine: An Emerging Approach for Disease Detection and Treatment Optimization. <i>Current Medicinal Chemistry</i> , 2021, 28, 6569-6590.	2.4	19
58	Vitamin D, parathyroid hormone and cardiovascular risk. <i>Journal of Cardiovascular Medicine</i> , 2018, 19, 62-66.	1.5	18
59	GRK2 at the Control Shaft of Cellular Metabolism. <i>Current Pharmaceutical Design</i> , 2012, 18, 121-127.	1.9	17
60	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> , 2018, 19, 861.	4.1	17
61	Cellular subtype expression and activation of CaMKII regulate the fate of atherosclerotic plaque. <i>Atherosclerosis</i> , 2017, 256, 53-61.	0.8	16
62	The Metabolic Role of GRK2 in Insulin Resistance and Associated Conditions. <i>Cells</i> , 2021, 10, 167.	4.1	14
63	Cardiac eccentric remodeling in patients with rheumatoid arthritis. <i>Scientific Reports</i> , 2018, 8, 5867.	3.3	10
64	Mechanistic Role of Kinases in the Regulation of Mitochondrial Fitness. <i>Advances in Experimental Medicine and Biology</i> , 2017, 982, 521-528.	1.6	9
65	Biomarkers Predict In-Hospital Major Adverse Cardiac Events in COVID-19 Patients: A Multicenter International Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 5863.	2.4	9
66	CaMKII protects MKP-1 from proteasome degradation in endothelial cells. <i>Cellular Signalling</i> , 2014, 26, 2167-2174.	3.6	8
67	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> , 2020, 4, 1-5.	0.6	8
68	Post-cardiac injury syndrome: an atypical case following percutaneous coronary intervention. <i>American Journal of Emergency Medicine</i> , 2017, 35, 1985.e1-1985.e2.	1.6	7
69	Association Study Between Coronary Artery Disease and rs1333049 Polymorphism at 9p21.3 Locus in Italian Population. <i>Journal of Cardiovascular Translational Research</i> , 2017, 10, 455-458.	2.4	7
70	Predictors of left ventricular reverse remodeling in patients with chronic heart failure. <i>Journal of Cardiovascular Medicine</i> , 2018, 19, 465-469.	1.5	7
71	Sirt1 Activity in PBMCs as a Biomarker of Different Heart Failure Phenotypes. <i>Biomolecules</i> , 2020, 10, 1590.	4.0	7
72	Exploiting GRK2 Inhibition as a Therapeutic Option in Experimental Cancer Treatment: Role of p53-Induced Mitochondrial Apoptosis. <i>Cancers</i> , 2020, 12, 3530.	3.7	6

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73	A Novel Vasoactive Peptide $\alpha$ PG1 from Buffalo Ice-Cream Protects from Angiotensin-Evoked High Blood Pressure. <i>Antioxidants</i> , 2021, 10, 441.	5.1	5
74	Healthberry 865 <sup>®</sup> and Its Related, Specific, Single Anthocyanins Exert a Direct Vascular Action, Modulating Both Endothelial Function and Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 1191.	5.1	5
75	A Novel Combination of High-Load Omega-3 Lysine Complex (AvailOm <sup>®</sup> ) and Anthocyanins Exerts Beneficial Cardiovascular Effects. <i>Antioxidants</i> , 2022, 11, 896.	5.1	5
76	A Novel Small Peptide Inhibitor of NF $\kappa$ B, RH10, Blocks Oxidative Stress-Dependent Phenotypes in Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	4.0	4
77	$\beta$ -Adrenoceptors in cardiovascular and respiratory diseases. , 0, , 287-320.		0
78	Tackling Cardiovascular Risk: New Evidence from Personalized Medicine. <i>Current Pharmacogenomics and Personalized Medicine</i> , 2017, 15, .	0.2	0