

Barbara Casadei

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.

94
papers

11,605
citations

42
h-index

107
g-index

114
ext. papers

15,991
ext. citations

9.8
avg. IF

5.84
L-index

#	Paper	IF	Citations
94	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. <i>European Heart Journal</i> , 2016 , 37, 2893-2962	9.5	4465
93	2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association for Cardio-Thoracic Surgery (EACTS): The Task Force for the diagnosis and management of atrial fibrillation of the European Society of Cardiology (ESC) Developed with the special contribution of the European Heart Rhythm Association (EHRA) of the	9.5	1676
92	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 50, e1-e88	3	589
91	European Society of Cardiology: Cardiovascular Disease Statistics 2019. <i>European Heart Journal</i> , 2020 , 41, 12-85	9.5	330
90	COVID-19 pandemic and admission rates for and management of acute coronary syndromes in England. <i>Lancet, The</i> , 2020 , 396, 381-389	40	305
89	A myocardial Nox2 containing NAD(P)H oxidase contributes to oxidative stress in human atrial fibrillation. <i>Circulation Research</i> , 2005 , 97, 629-36	15.7	300
88	Interactions between vascular wall and perivascular adipose tissue reveal novel roles for adiponectin in the regulation of endothelial nitric oxide synthase function in human vessels. <i>Circulation</i> , 2013 , 127, 2209-21	16.7	197
87	Perioperative Rosuvastatin in Cardiac Surgery. <i>New England Journal of Medicine</i> , 2016 , 374, 1744-53	59.2	186
86	Rapid, direct effects of statin treatment on arterial redox state and nitric oxide bioavailability in human atherosclerosis via tetrahydrobiopterin-mediated endothelial nitric oxide synthase coupling. <i>Circulation</i> , 2011 , 124, 335-45	16.7	163
85	Atrial sources of reactive oxygen species vary with the duration and substrate of atrial fibrillation: implications for the antiarrhythmic effect of statins. <i>Circulation</i> , 2011 , 124, 1107-17	16.7	153
84	Adiponectin as a link between type 2 diabetes and vascular NADPH oxidase activity in the human arterial wall: the regulatory role of perivascular adipose tissue. <i>Diabetes</i> , 2015 , 64, 2207-19	0.9	149
83	Determinants of spontaneous baroreflex sensitivity in a healthy working population. <i>Hypertension</i> , 2001 , 37, 911-6	8.5	139
82	Association of atrial nicotinamide adenine dinucleotide phosphate oxidase activity with the development of atrial fibrillation after cardiac surgery. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 68-74	15.1	123
81	Nitric oxide can increase heart rate by stimulating the hyperpolarization-activated inward current, I(f). <i>Circulation Research</i> , 1997 , 81, 60-8	15.7	121
80	Identification of higher brain centres that may encode the cardiorespiratory response to exercise in humans. <i>Journal of Physiology</i> , 2001 , 533, 823-36	3.9	119
79	Nitric oxide synthases in heart failure. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 1078-99	8.4	112
78	Admission of patients with STEMI since the outbreak of the COVID-19 pandemic: a survey by the European Society of Cardiology. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2020 , 6, 210-216	4.6	108

77	Sex differences in cardiac arrhythmia: a consensus document of the European Heart Rhythm Association, endorsed by the Heart Rhythm Society and Asia Pacific Heart Rhythm Society. <i>Europace</i> , 2018 , 20, 1565-1565ao	3.9	108
76	Reduced phospholamban phosphorylation is associated with impaired relaxation in left ventricular myocytes from neuronal NO synthase-deficient mice. <i>Circulation Research</i> , 2008 , 102, 242-9	15.7	100
75	Expert consensus document: Defining the major health modifiers causing atrial fibrillation: a roadmap to underpin personalized prevention and treatment. <i>Nature Reviews Cardiology</i> , 2016 , 13, 230-74.8	14.8	97
74	Searching for Atrial Fibrillation Poststroke: A White Paper of the AF-SCREEN International Collaboration. <i>Circulation</i> , 2019 , 140, 1834-1850	16.7	93
73	Mutual Regulation of Epicardial Adipose Tissue and Myocardial Redox State by PPAR- γ /Adiponectin Signalling. <i>Circulation Research</i> , 2016 , 118, 842-55	15.7	92
72	Impact of the COVID-19 pandemic on the detection and management of colorectal cancer in England: a population-based study. <i>The Lancet Gastroenterology and Hepatology</i> , 2021 , 6, 199-208	18.8	87
71	Digital transformation of major scientific meetings induced by the COVID-19 pandemic: insights from the ESC 2020 annual congress. <i>European Heart Journal Digital Health</i> ,	2.3	78
70	Myocardial redox state predicts in-hospital clinical outcome after cardiac surgery effects of short-term pre-operative statin treatment. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 60-70 ^{15.1}	15.1	72
69	Mechanisms of atrial fibrillation. <i>Heart</i> , 2019 , 105, 1860-1867	5.1	70
68	European Society of Cardiology smartphone and tablet applications for patients with atrial fibrillation and their health care providers. <i>Europace</i> , 2018 , 20, 225-233	3.9	70
67	Structure and Function of the Left Atrium and Left Atrial Appendage: AF and Stroke Implications. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 3157-3172	15.1	69
66	Nitric oxide control of cardiac function: is neuronal nitric oxide synthase a key component?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 1021-44	5.8	68
65	Nitric-oxide-mediated regulation of cardiac contractility and stretch responses. <i>Progress in Biophysics and Molecular Biology</i> , 2003 , 82, 67-80	4.7	68
64	Targeting inflammation and oxidative stress in atrial fibrillation: role of 3-hydroxy-3-methylglutaryl-coenzyme a reductase inhibition with statins. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 1268-85	8.4	67
63	Nitric oxide synthase regulation of cardiac excitation-contraction coupling in health and disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 73, 80-91	5.8	60
62	Screening for atrial fibrillation: a call for evidence. <i>European Heart Journal</i> , 2020 , 41, 1075-1085	9.5	60
61	Sub-cellular targeting of constitutive NOS in health and disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 341-50	5.8	58
60	Atrial fibrillation: effects beyond the atrium?. <i>Cardiovascular Research</i> , 2015 , 105, 238-47	9.9	56

59	Lone Atrial Fibrillation Is Associated With Impaired Left Ventricular Energetics That Persists Despite Successful Catheter Ablation. <i>Circulation</i> , 2016 , 134, 1068-1081	16.7	51
58	Catheter-based renal denervation reduces atrial nerve sprouting and complexity of atrial fibrillation in goats. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015 , 8, 466-74	6.4	49
57	Up-regulation of miR-31 in human atrial fibrillation begets the arrhythmia by depleting dystrophin and neuronal nitric oxide synthase. <i>Science Translational Medicine</i> , 2016 , 8, 340ra74	17.5	49
56	The emerging role of neuronal nitric oxide synthase in the regulation of myocardial function. <i>Experimental Physiology</i> , 2006 , 91, 943-55	2.4	49
55	A porcine model of hypertensive cardiomyopathy: implications for heart failure with preserved ejection fraction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H1407-18	5.2	48
54	Sex differences in quality indicator attainment for myocardial infarction: a nationwide cohort study. <i>Heart</i> , 2019 , 105, 516-523	5.1	48
53	Systolic ShMOLLI myocardial T1-mapping for improved robustness to partial-volume effects and applications in tachyarrhythmias. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 77	6.9	42
52	Regulation of endothelial nitric-oxide synthase (NOS) S-glutathionylation by neuronal NOS: evidence of a functional interaction between myocardial constitutive NOS isoforms. <i>Journal of Biological Chemistry</i> , 2012 , 287, 43665-73	5.4	41
51	Is there a strong rationale for deferring elective surgery in patients with poorly controlled hypertension?. <i>Journal of Hypertension</i> , 2005 , 23, 19-22	1.9	39
50	Hypertrophic cardiomyopathy mutations increase myofilament Ca buffering, alter intracellular Ca handling, and stimulate Ca-dependent signaling. <i>Journal of Biological Chemistry</i> , 2018 , 293, 10487-10499	5.4	35
49	Cardiomyocyte GTP cyclohydrolase 1 and tetrahydrobiopterin increase NOS1 activity and accelerate myocardial relaxation. <i>Circulation Research</i> , 2012 , 111, 718-27	15.7	31
48	EuroHeart: European Unified Registries On Heart Care Evaluation and Randomized Trials. <i>European Heart Journal</i> , 2019 , 40, 2745-2749	9.5	25
47	Blood Pressure in Healthy Humans Is Regulated by Neuronal NO Synthase. <i>Hypertension</i> , 2017 , 69, 970-986	6.6	22
46	Compromised redox homeostasis, altered nitroso-redox balance, and therapeutic possibilities in atrial fibrillation. <i>Cardiovascular Research</i> , 2016 , 109, 510-8	9.9	22
45	Health information technology and digital innovation for national learning health and care systems. <i>The Lancet Digital Health</i> , 2021 , 3, e383-e396	14.4	22
44	Research Priorities in Atrial Fibrillation Screening: A Report From a National Heart, Lung, and Blood Institute Virtual Workshop. <i>Circulation</i> , 2021 , 143, 372-388	16.7	22
43	Rationale and design of a multicentre, randomized, placebo-controlled trial of mirabegron, a Beta3-adrenergic receptor agonist on left ventricular mass and diastolic function in patients with structural heart disease Beta3-left ventricular hypertrophy (Beta3-LVH). <i>ESC Heart Failure</i> , 2018 , 5, 830-841	3.7	20
42	From ionic to cellular variability in human atrial myocytes: an integrative computational and experimental study. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H895-H916	5.7	20

41	Paracrine signalling by cardiac calcitonin controls atrial fibrogenesis and arrhythmia. <i>Nature</i> , 2020 , 587, 460-465	50.4	19
40	Tetrahydrobiopterin Protects Against Hypertrophic Heart Disease Independent of Myocardial Nitric Oxide Synthase Coupling. <i>Journal of the American Heart Association</i> , 2016 , 5, e003208	6	19
39	Vagal control of myocardial contractility in humans. <i>Experimental Physiology</i> , 2001 , 86, 817-23	2.4	18
38	LSE-Lancet Commission on the future of the NHS: re-laying the foundations for an equitable and efficient health and care service after COVID-19. <i>Lancet, The</i> , 2021 , 397, 1915-1978	40	17
37	A call to action for new global approaches to cardiovascular disease drug solutions. <i>European Heart Journal</i> , 2021 , 42, 1464-1475	9.5	16
36	Myocardial Perfusion Is Impaired and Relates to Cardiac Dysfunction in Patients With Atrial Fibrillation Both Before and After Successful Catheter Ablation. <i>Journal of the American Heart Association</i> , 2018 , 7, e009218	6	16
35	Improving public health by improving clinical trial guidelines and their application. <i>European Heart Journal</i> , 2017 , 38, 1632-1637	9.5	15
34	European Society of Cardiology methodology for the development of quality indicators for the quantification of cardiovascular care and outcomes. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2020 ,	4.6	15
33	The Subcellular Localisation of Neuronal Nitric Oxide Synthase Determines the Downstream Effects of NO on Myocardial Function. <i>Cardiovascular Research</i> , 2017 , 113, 321-331	9.9	14
32	Ending Gender Inequality in Cardiovascular Clinical Trial Leadership: JACC Review Topic of the Week. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 2960-2972	15.1	14
31	Oxidation of Protein Kinase A Regulatory Subunit PKAR1 β Protects Against Myocardial Ischemia-Reperfusion Injury by Inhibiting Lysosomal-Triggered Calcium Release. <i>Circulation</i> , 2021 , 143, 449-465	16.7	14
30	Effects of canagliflozin on human myocardial redox signalling: clinical implications. <i>European Heart Journal</i> , 2021 ,	9.5	14
29	Understanding the use of observational and randomized data in cardiovascular medicine. <i>European Heart Journal</i> , 2020 , 41, 2571-2578	9.5	13
28	Machine Learning Prediction of Stroke Mechanism in Embolic Strokes of Undetermined Source. <i>Stroke</i> , 2020 , 51, e203-e210	6.7	13
27	ESC Core Curriculum for the Cardiologist. <i>European Heart Journal</i> , 2020 , 41, 3605-3692	9.5	12
26	Taking a Stand Against Air Pollution-The Impact on Cardiovascular Disease: A Joint Opinion From the World Heart Federation, American College of Cardiology, American Heart Association, and the European Society of Cardiology. <i>Circulation</i> , 2021 , 143, e800-e804	16.7	12
25	Endogenous nitric oxide formation in cardiac myocytes does not control respiration during β adrenergic stimulation. <i>Journal of Physiology</i> , 2017 , 595, 3781-3798	3.9	10
24	Taking a Stand Against Air Pollution-The Impact on Cardiovascular Disease: A Joint Opinion from the World Heart Federation, American College of Cardiology, American Heart Association, and the European Society of Cardiology. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 1684-1688	15.1	9

23	Nitric oxide modulates cardiomyocyte pH control through a biphasic effect on sodium/hydrogen exchanger-1. <i>Cardiovascular Research</i> , 2020 , 116, 1958-1971	9.9	8
22	A Call to Action for New Global Approaches to Cardiovascular Disease Drug Solutions. <i>Circulation</i> , 2021 , 144, 159-169	16.7	8
21	Development and external validation of predictive models for prevalent and recurrent atrial fibrillation: a protocol for the analysis of the CATCH ME combined dataset. <i>BMC Cardiovascular Disorders</i> , 2019 , 19, 120	2.3	6
20	Hormone replacement therapy and ischaemic heart disease among postmenopausal women. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 1999 , 6, 105-12		6
19	Cardiovascular care of patients with stroke and high risk of stroke: The need for interdisciplinary action: A consensus report from the European Society of Cardiology Cardiovascular Round Table. <i>European Journal of Preventive Cardiology</i> , 2020 , 27, 682-692	3.9	6
18	Molecular mechanisms of myocardial nitroso-redox imbalance during on-pump cardiac surgery. <i>Lancet, The</i> , 2015 , 385 Suppl 1, S49	40	5
17	Left atrial 4D flow cardiovascular magnetic resonance: a reproducibility study in sinus rhythm and atrial fibrillation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 29	6.9	5
16	Taking a stand against air pollution - the impact on cardiovascular disease. <i>European Heart Journal</i> , 2021 , 42, 1460-1463	9.5	5
15	BH4 Increases nNOS Activity and Preserves Left Ventricular Function in Diabetes. <i>Circulation Research</i> , 2021 , 128, 585-601	15.7	4
14	Inducibility, but not stability, of atrial fibrillation is increased by NOX2 overexpression in mice. <i>Cardiovascular Research</i> , 2021 , 117, 2354-2364	9.9	4
13	Circadian Variation and Waking Hour Dynamics of the QT Interval. <i>Annals of Noninvasive Electrocardiology</i> , 1997 , 2, 242-253	1.5	3
12	Methodology for the development of international clinical data standards for common cardiovascular conditions: European Unified Registries for Heart Care Evaluation and Randomised Trials (EuroHeart). <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2021 ,	4.6	3
11	Dilated cardiomyopathy mutations in thin-filament regulatory proteins reduce contractility, suppress systolic Ca, and activate NFAT and Akt signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H306-H319	5.2	2
10	The impact of atrial fibrillation and stroke risk factors on left atrial blood flow characteristics. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 ,	4.1	2
9	Death from stroke in Europe: if you can measure it, you can improve it. <i>European Heart Journal</i> , 2019 , 40, 765-767	9.5	2
8	Incremental value of left atrial booster and reservoir strain in predicting atrial fibrillation in patients with hypertrophic cardiomyopathy: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 109	6.9	1
7	Atrial nitroso-redox balance and refractoriness following on-pump cardiac surgery: A randomised trial of atorvastatin. <i>Cardiovascular Research</i> , 2020 ,	9.9	1
6	Assessment of the causal relevance of ECG parameters for risk of atrial fibrillation: A mendelian randomisation study. <i>PLoS Medicine</i> , 2021 , 18, e1003572	11.6	1

5	Ambulatory blood pressure monitoring: a must in the future?. <i>Annals of Medicine</i> , 1992 , 24, 111-2	1.5	o
4	Atrial fibrillation after cardiac surgery: to screen or not to screen?. <i>Cardiovascular Research</i> , 2021 , 117, e21-e23	9.9	o
3	Prevention and treatment of venous thromboembolism. <i>European Heart Journal Supplements</i> , 2020 , 22, C1	1.5	
2	Obesity, self-reported symptom severity, and quality of life in people with atrial fibrillation: A community-based cross-sectional survey. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 2221-2229	4.5	
1	ESC CONGRESS 2020-the digital experience: expanding the reach of the society. <i>European Heart Journal</i> , 2021 , 42, 2812-2813	9.5	