

Chiara Giannarelli

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.

60
papers

2,111
citations

25
h-index

45
g-index

76
ext. papers

2,715
ext. citations

8.3
avg, IF

4.75
L-index

#	Paper	IF	Citations
60	Single-cell immune landscape of human atherosclerotic plaques. <i>Nature Medicine</i> , 2019 , 25, 1576-1588	50.5	247
59	Cardiometabolic risk loci share downstream cis- and trans-gene regulation across tissues and diseases. <i>Science</i> , 2016 , 353, 827-30	33.3	166
58	Supplementation with vitamins C and E improves arterial stiffness and endothelial function in essential hypertensive patients. <i>American Journal of Hypertension</i> , 2007 , 20, 392-7	2.3	153
57	Real-time measurement system for evaluation of the carotid intima-media thickness with a robust edge operator. <i>Journal of Ultrasound in Medicine</i> , 2008 , 27, 1353-61	2.9	96
56	Systems pharmacology of adverse event mitigation by drug combinations. <i>Science Translational Medicine</i> , 2013 , 5, 206ra140	17.5	82
55	Cross-Tissue Regulatory Gene Networks in Coronary Artery Disease. <i>Cell Systems</i> , 2016 , 2, 196-208	10.6	81
54	Recombinant HDL(Milano) exerts greater anti-inflammatory and plaque stabilizing properties than HDL(wild-type). <i>Atherosclerosis</i> , 2012 , 220, 72-7	3.1	78
53	Macrophage Biology, Classification, and Phenotype in Cardiovascular Disease: JACC Macrophage in CVD Series (Part 1). <i>Journal of the American College of Cardiology</i> , 2018 , 72, 2166-2180	15.1	65
52	Cyclooxygenase-1 is involved in endothelial dysfunction of mesenteric small arteries from angiotensin II-infused mice. <i>Hypertension</i> , 2007 , 49, 679-86	8.5	63
51	Non-invasive diagnostic tools for investigating endothelial dysfunction. <i>Current Pharmaceutical Design</i> , 2008 , 14, 3715-22	3.3	62
50	Assessment of carotid stiffness and intima-media thickness from ultrasound data: comparison between two methods. <i>Journal of Ultrasound in Medicine</i> , 2010 , 29, 1169-75	2.9	61
49	Atorvastatin prevents endothelial dysfunction in mesenteric arteries from spontaneously hypertensive rats: role of cyclooxygenase 2-derived contracting prostanoids. <i>Hypertension</i> , 2009 , 53, 1008-16	8.5	56
48	Cardiovascular implications of HIV-induced dyslipidemia. <i>Atherosclerosis</i> , 2011 , 219, 384-9	3.1	53
47	Soluble factors from the notochordal-rich intervertebral disc inhibit endothelial cell invasion and vessel formation in the presence and absence of pro-inflammatory cytokines. <i>Osteoarthritis and Cartilage</i> , 2015 , 23, 487-96	6.2	52
46	Metabolic syndrome and vascular alterations in normotensive subjects at risk of diabetes mellitus. <i>Hypertension</i> , 2008 , 51, 440-5	8.5	49
45	Insulin resistance causes impaired vasodilation and hypofibrinolysis in young women with polycystic ovary syndrome. <i>Thrombosis Research</i> , 2005 , 116, 207-14	8.2	48
44	Ultrasound measurement of the brachial artery flow-mediated dilation without ECG gating. <i>Ultrasound in Medicine and Biology</i> , 2008 , 34, 385-91	3.5	42

43	Local carotid stiffness and intima-media thickness assessment by a novel ultrasound-based system in essential hypertension. <i>Atherosclerosis</i> , 2012 , 223, 372-7	3.1	41
42	Experimental models for the investigation of high-density lipoprotein-mediated cholesterol efflux. <i>Current Atherosclerosis Reports</i> , 2011 , 13, 266-76	6	38
41	Alternatively spliced tissue factor promotes plaque angiogenesis through the activation of hypoxia-inducible factor-1 α and vascular endothelial growth factor signaling. <i>Circulation</i> , 2014 , 130, 1274-86	16.7	36
40	Contrast-enhanced ultrasound imaging detects intraplaque neovascularization in an experimental model of atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 1256-64	8.4	35
39	Synergistic effect of liver X receptor activation and simvastatin on plaque regression and stabilization: an magnetic resonance imaging study in a model of advanced atherosclerosis. <i>European Heart Journal</i> , 2012 , 33, 264-73	9.5	32
38	Prostanoid and TP-receptors in atherothrombosis: is there a role for their antagonism?. <i>Thrombosis and Haemostasis</i> , 2010 , 104, 949-54	7	31
37	Contribution of Gene Regulatory Networks to Heritability of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 2946-2957	15.1	28
36	MicroRNA-126 regulates Hypoxia-Inducible Factor-1 α which inhibited migration, proliferation, and angiogenesis in replicative endothelial senescence. <i>Scientific Reports</i> , 2019 , 9, 7381	4.9	25
35	Hypoxia-Inducible Factor-1 α The Master Regulator of Endothelial Cell Senescence in Vascular Aging. <i>Cells</i> , 2020 , 9,	7.9	24
34	Functional and structural alterations of large arteries: methodological issues. <i>Current Pharmaceutical Design</i> , 2013 , 19, 2390-400	3.3	24
33	Mechanistic Insights of Empagliflozin in Nondiabetic Patients With HFrEF: From the EMPA-TROPISM Study. <i>JACC: Heart Failure</i> , 2021 , 9, 578-589	7.9	23
32	Child Health Promotion in Underserved Communities: The FAMILIA Trial. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 2011-2021	15.1	22
31	Carvedilol administration in acute myocardial infarction results in stronger inhibition of early markers of left ventricular remodeling than metoprolol. <i>International Journal of Cardiology</i> , 2011 , 153, 256-61	3.2	22
30	The sulfaphenazole-sensitive pathway acts as a compensatory mechanism for impaired nitric oxide availability in patients with primary hyperparathyroidism. Effect of surgical treatment. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 920-7	5.6	21
29	Effect of sulfaphenazole on tissue plasminogen activator release in normotensive subjects and hypertensive patients. <i>Circulation</i> , 2009 , 119, 1625-33	16.7	19
28	Novel small leucine-rich repeat protein podocan is a negative regulator of migration and proliferation of smooth muscle cells, modulates neointima formation, and is expressed in human atheroma. <i>Circulation</i> , 2013 , 128, 2351-63	16.7	18
27	Nitric oxide modulates tissue plasminogen activator release in normotensive subjects and hypertensive patients. <i>Hypertension</i> , 2007 , 49, 878-84	8.5	17
26	Acute ApoA-I Milano administration induces plaque regression and stabilisation in the long term. <i>Thrombosis and Haemostasis</i> , 2012 , 108, 1246-8	7	16

25	Global analysis of A-to-I RNA editing reveals association with common disease variants. <i>PeerJ</i> , 2018 , 6, e4466	3.1	16
24	Physical Activity, Immune System, and the Microbiome in Cardiovascular Disease. <i>Frontiers in Physiology</i> , 2018 , 9, 763	4.6	15
23	An integrative multiomic network model links lipid metabolism to glucose regulation in coronary artery disease. <i>Nature Communications</i> , 2021 , 12, 547	17.4	12
22	Abnormalities of capillary microarchitecture in a rat model of coronary ischemic congestive heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H830-40	5.2	11
21	Susceptibility to chronic social stress increases plaque progression, vulnerability and platelet activation. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 816-818	7	11
20	Immune cell profiling in atherosclerosis: role in research and precision medicine. <i>Nature Reviews Cardiology</i> , 2021 ,	14.8	11
19	Rationale and Design of Family-Based Approach in a Minority Community Integrating Systems-Biology for Promotion of Health (FAMILIA). <i>American Heart Journal</i> , 2017 , 187, 170-181	4.9	10
18	Adolescents with Classical Polycystic Ovary Syndrome Have Alterations in the Surrogate Markers of Cardiovascular Disease but Not in the Endothelial Function. The Possible Benefits of Metformin. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2016 , 29, 489-495	2	10
17	Safe and sustained overexpression of functional apolipoprotein A-I/high-density lipoprotein in apolipoprotein A-I-null mice by muscular adeno-associated viral serotype 8 vector gene transfer. <i>Journal of Cardiovascular Pharmacology</i> , 2009 , 54, 405-11	3.1	10
16	Adeno-associated virus serotype 8 ApoA-I gene transfer reduces progression of atherosclerosis in ApoE-KO mice: comparison of intramuscular and intravenous administration. <i>Journal of Cardiovascular Pharmacology</i> , 2011 , 57, 325-33	3.1	8
15	miR-33 Silencing Reprograms the Immune Cell Landscape in Atherosclerotic Plaques. <i>Circulation Research</i> , 2021 , 128, 1122-1138	15.7	8
14	Wnt signaling enhances macrophage responses to IL-4 and promotes resolution of atherosclerosis. <i>ELife</i> , 2021 , 10,	8.9	8
13	Single cell analyses to understand the immune continuum in atherosclerosis. <i>Atherosclerosis</i> , 2021 , 330, 85-94	3.1	8
12	Tissue-type plasminogen activator release in healthy subjects and hypertensive patients: relationship with beta-adrenergic receptors and the nitric oxide pathway. <i>Hypertension</i> , 2008 , 52, 314-21	8.5	7
11	Systems Pharmacology Identifies an Arterial Wall Regulatory Gene Network Mediating Coronary Artery Disease Side Effects of Antiretroviral Therapy. <i>Circulation Genomic and Precision Medicine</i> , 2019 , 12, e002390	5.2	5
10	Integrative analysis of loss-of-function variants in clinical and genomic data reveals novel genes associated with cardiovascular traits. <i>BMC Medical Genomics</i> , 2019 , 12, 108	3.7	5
9	A mechanistic framework for cardiometabolic and coronary artery diseases 2022 , 1, 85-100		5
8	Different Lifestyle Interventions in Adults From Underserved Communities: The FAMILIA Trial. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 42-56	15.1	4

7	Ticagrelor reduces thrombus formation more than clopidogrel, even when co-administered with bivalirudin. <i>Thrombosis and Haemostasis</i> , 2014 , 112, 1069-70	7	3
6	How Single-Cell Technologies Have Provided New Insights Into Atherosclerosis.. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022 , ATVBAHA121315849	9.4	3
5	Atherosclerosis inflammation and burden in young adult smokers and vapers measured by PET/MR. <i>Atherosclerosis</i> , 2021 , 325, 110-116	3.1	2
4	Thromboprophylaxis with reviparin in a patient with acquired hemophilia. <i>International Journal of Hematology</i> , 2005 , 81, 176-7	2.3	1
3	Decompensated porto-pulmonary hypertension in a cirrhotic patient with thrombosis of portocaval shunt. <i>World Journal of Gastroenterology</i> , 2007 , 13, 6439-40	5.6	1
2	Systematically evaluating DOTATATE and FDG as PET immuno-imaging tracers of cardiovascular inflammation.. <i>Scientific Reports</i> , 2022 , 12, 6185	4.9	1
1	False Utopia of One Unifying Description of the Vulnerable Atherosclerotic Plaque: A Call for Recalibration That Appreciates the Diversity of Mechanisms Leading to Atherosclerotic Disease.. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022 , ATVBAHA121316693	9.4	0