Danilo Neglia

List of Publications by Year
in descending order

111 papers	3,753 citations	136950 32 h-index	138484 58 g-index
116 all docs	116 docs citations	116 times ranked	4411 citing authors

#	Article	IF	Citations
1	Prognostic Role of Myocardial Blood Flow Impairment in Idiopathic Left Ventricular Dysfunction. Circulation, 2002, 105, 186-193.	1.6	401
2	Detection of Significant Coronary Artery Disease by Noninvasive Anatomical and Functional Imaging. Circulation: Cardiovascular Imaging, 2015, 8, .	2.6	286
3	Novel organ-specific circulating cardiac autoantibodies in dilated cardiomyopathy. Journal of the American College of Cardiology, 1990, 15, 1527-1534.	2.8	188
4	Myocardial Blood Flow Response to Pacing Tachycardia and to Dipyridamole Infusion in Patients With Dilated Cardiomyopathy Without Overt Heart Failure. Circulation, 1995, 92, 796-804.	1.6	184
5	Impaired myocardial metabolic reserve and substrate selection flexibility during stress in patients with idiopathic dilated cardiomyopathy. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3270-H3278.	3.2	169
6	Comprehensive multi-modality imaging approach in arrhythmogenic cardiomyopathy—an expert consensus document of the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2017, 18, 237-253.	1.2	123
7	Multicentre multi-device hybrid imaging study of coronary artery disease: results from the EValuation of INtegrated Cardiac Imaging for the Detection and Characterization of Ischaemic Heart Disease (EVINCI) hybrid imaging population. European Heart Journal Cardiovascular Imaging, 2016, 17, 951-960.	1.2	95
8	Multimodality Imaging in Restrictive Cardiomyopathies: An EACVI expert consensus document In collaboration with the â€œWorking Group on myocardial and pericardial diseasesâ€•of the European Society of Cardiology Endorsed by The Indian Academy of Echocardiography. European Heart Journal Cardiovascular Imaging, 2017, 18, 1090-1121.	1.2	91
9	Beneficial effect of heme oxygenase-1 expression on myocardial ischemia-reperfusion involves an increase in adiponectin in mildly diabetic rats. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3532-H3541.	3.2	89
10	Alteration in regulation of myocardial blood flow in one-vessel coronary artery disease determined by positron emission tomography. American Journal of Cardiology, 1993, 72, 538-543.	1.6	77
11	Perindopril and indapamide reverse coronary microvascular remodelling and improve flow in arterial hypertension. Journal of Hypertension, 2011, 29, 364-372.	0.5	77
12	Homogeneously Reduced Versus Regionally Impaired Myocardial Blood Flow in Hypertensive Patients: Two Different Patterns of Myocardial Perfusion Associated With Degree of Hypertrophy. Journal of the American College of Cardiology, 1998, 31, 366-373.	2.8	76
13	A joint procedural position statement on imaging in cardiac sarcoidosis: from the Cardiovascular and Inflammation & Infection Committees of the European Association of Nuclear Medicine, the European Association of Cardiovascular Imaging, and the American Society of Nuclear Cardiology. European Heart Journal Cardiovascular Imaging, 2017, 18, 1073-1089.	1.2	74
14	Multimodality imaging in the diagnosis, risk stratification, and management of patients with dilated cardiomyopathies: an expert consensus document from the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2019, 20, 1075-1093.	1.2	65
15	Comparative Effects of Enalapril and Verapamil on Myocardial Blood Flow in Systemic Hypertension. Circulation, 1997, 96, 864-873.	1.6	65
16	Early Activation of an Altered Thyroid Hormone Profile in Asymptomatic or Mildly Symptomatic Idiopathic Left Ventricular Dysfunction. Journal of Cardiac Failure, 2006, 12, 520-526.	1.7	59
17	Placental stem cells pre-treated with a hyaluronan mixed ester of butyric and retinoic acid to cure infarcted pig hearts: a multimodal study. Cardiovascular Research, 2011, 90, 546-556.	3.8	59
18	Microvascular dysfunction in collateral-dependent myocardium. Journal of the American College of Cardiology, 1995, 26, 615-623.	2.8	56

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19	Mismatch between uniform increase in cardiac glucose uptake and regional contractile dysfunction in pacing-induced heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2747-H2756.	3.2	55
20	Structural Abnormalities of the Coronary Arterial Wall—in Addition to Luminal Narrowing—Affect Myocardial Blood Flow Reserve. Journal of Nuclear Medicine, 2011, 52, 1704-1712.	5.0	48
21	Myocardial Structural, Perfusion, and Metabolic Correlates of Left Bundle Branch Block Mechanical Derangement in Patients With Dilated Cardiomyopathy. Circulation: Cardiovascular Imaging, 2010, 3, 482-490.	2.6	46
22	Circulating heat shock proteins and inflammatory markers in patients with idiopathic left ventricular dysfunction: their relationships with myocardial and microvascular impairment. Cell Stress and Chaperones, 2007, 12, 265.	2.9	45
23	Strategies for radiation dose reduction in nuclear cardiology and cardiac computed tomography imaging: a report from the European Association of Cardiovascular Imaging (EACVI), the Cardiovascular Committee of European Association of Nuclear Medicine (EANM), and the European Society of Cardiovascular Radiology (ESCR). European Heart Journal, 2018, 39, 286-296.	2.2	44
24	Effect of Coronary Atherosclerosis and Myocardial Ischemia on Plasma Levels of High-Sensitivity Troponin T and NT-proBNP in Patients With Stable Angina. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 757-764.	2.4	42
25	3D reconstruction of coronary arteries and atherosclerotic plaques based on computed tomography angiography images. Biomedical Signal Processing and Control, 2018, 40, 286-294.	5.7	40
26	Anatomical and functional coronary imaging to predict long-term outcome in patients with suspected coronary artery disease: the EVINCI-outcome study. European Heart Journal Cardiovascular Imaging, 2020, 21, 1273-1282.	1.2	40
27	Increased circulating levels of ouabain-like factor in patients with asymptomatic left ventricular dysfunction. European Journal of Heart Failure, 2001, 3, 165-171.	7.1	39
28	Right ventricular remodelling in systemic hypertension: a cardiac MRI study. Heart, 2011, 97, 1257-1261.	2.9	38
29	HDL cholesterol, leptin and interleukin-6 predict high risk coronary anatomy assessed by CT angiography in patients with stable chest pain. Atherosclerosis, 2015, 241, 55-61.	0.8	37
30	Effects of long-term treatment with carvedilol on myocardial blood flow in idiopathic dilated cardiomyopathy. Heart, 2007, 93, 808-813.	2.9	36
31	Inflammatory Markers and Serum Lipids in Idiopathic Dilated Cardiomyopathy. American Journal of Cardiology, 2005, 96, 1718-1720.	1.6	34
32	Association of PCSK9 plasma levels with metabolic patterns and coronary atherosclerosis in patients with stable angina. Cardiovascular Diabetology, 2019, 18, 144.	6.8	33
33	Appropriateness criteria for cardiovascular imaging use in clinical practice: a position statement of the ESC/EACVI taskforce. European Heart Journal Cardiovascular Imaging, 2014, 15, 477-482.	1.2	32
34	Multimodality imaging of myocardial viability: an expert consensus document from the European Association of Cardiovascular Imaging (EACVI). European Heart Journal Cardiovascular Imaging, 2021, 22, e97-e125.	1.2	32
35	Increased levels of C-type natriuretic peptide in patients with idiopathic left ventricular dysfunction. Peptides, 2007, 28, 1068-1073.	2.4	30
36	Non-invasive cardiac imaging evaluation of patients with chronic systolic heart failure: a report from the European Association of Cardiovascular Imaging (EACVI). European Heart Journal, 2014, 35, 3417-3425.	2.2	30

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37	Adiponectin is associated with abnormal lipid profile and coronary microvascular dysfunction in patients with dilated cardiomyopathy without overt heart failure. Metabolism: Clinical and Experimental, 2011, 60, 227-233.	3.4	29
38	Cobalt-Protoporphyrin Improves Heart Function by Blunting Oxidative Stress and Restoring NO Synthase Equilibrium in an Animal Model of Experimental Diabetes. Frontiers in Physiology, 2012, 3, 160.	2.8	29
39	Non-invasive imaging in coronary syndromes: recommendations of the European Association of Cardiovascular Imaging and the American Society of Echocardiography, in collaboration with the American Society of Nuclear Cardiology, Society of Cardiovascular Computed Tomography, and Society for Cardiovascular Magnetic Resonance. European Heart Journal Cardiovascular Imaging, 2022, 23, e6-e33.	1.2	29
40	Noninvasive CT-based hemodynamic assessment of coronary lesions derived from fast computational analysis: a comparison against fractional flow reserve. European Radiology, 2019, 29, 2117-2126.	4.5	28
41	Multimodality imaging in cardiology: a statement on behalf of the Task Force on Multimodality Imaging of the European Association of Cardiovascular Imaging. European Heart Journal, 2019, 40, 553-558.	2.2	27
42	Does the myocardium become "stunned"after episodes of angina at rest, angina on effort, and coronary angioplasty?. American Journal of Cardiology, 1993, 71, 1045-1051.	1.6	26
43	Speciation and Quantification of Thiols by Reversed-Phase Chromatography Coupled with On-Line Chemical Vapor Generation and Atomic Fluorescence Spectrometric Detection: Method Validation and Preliminary Application for Glutathione Measurements in Human Whole Blood. Clinical Chemistry, 2005, 51, 1007-1013.	3.2	26
44	Triglycerides and low HDL cholesterol predict coronary heart disease risk in patients with stable angina. Scientific Reports, 2021, 11, 20714.	3.3	26
45	Myocardial and forearm blood flow reserve in mild-moderate essential hypertensive patients. Journal of Hypertension, 1997, 15, 667-673.	0.5	23
46	Cost-effectiveness analysis of stand-alone or combined non-invasive imaging tests for the diagnosis of stable coronary artery disease: results from the EVINCI study. European Journal of Health Economics, 2019, 20, 1437-1449.	2.8	23
47	Simulation of atherosclerotic plaque growth using computational biomechanics and patient-specific data. Scientific Reports, 2020, 10, 17409.	3.3	22
48	Automatic PET-CT Image Registration Method Based on Mutual Information and Genetic Algorithms. Scientific World Journal, The, 2012, 2012, 1-12.	2.1	21
49	Variability of radiation doses of cardiac diagnostic imaging tests: the RADIO-EVINCI study (RADIationdOse subproject of the EVINCI study). BMC Cardiovascular Disorders, 2017, 17, 63.	1.7	21
50	T−786→C polymorphism of the endothelial nitric oxide synthase gene is associated with insulin resistance in patients with ischemic or non ischemic cardiomyopathy. BMC Medical Genetics, 2012, 13, 92.	2.1	20
51	A New Integrated Clinical-Biohumoral Model to PredictÂFunctionally Significant Coronary Artery Disease inÂPatients With Chronic Chest Pain. Canadian Journal of Cardiology, 2015, 31, 709-716.	1.7	19
52	Cardiovascular imaging practice in Europe: a report from the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2015, 16, 697-702.	1.2	19
53	Segmental quantitative myocardial perfusion with PET for the detection of significant coronary artery disease in patients with stable angina. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1522-1529.	6.4	18
54	Characterization of functionally significant coronary artery disease by a coronary computed tomography angiography-based index: a comparison with positron emission tomography. European Heart Journal Cardiovascular Imaging, 2019, 20, 897-905.	1.2	18

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55	SIRMâ€"SIC appropriateness criteria for the use of Cardiac Computed Tomography. Part 1: Congenital heart diseases, primary prevention, risk assessment before surgery, suspected CAD inÂsymptomatic patients, plaque and epicardial adipose tissue characterization, and functional assessment of stenosis. Radiologia Medica, 2021, 126, 1236-1248.	7.7	18
56	Effects of Long-term Treatment with Verapamil on Left Ventricular Function and Myocardial Blood Flow in Patients with Dilated Cardiomyopathy Without Overt Heart Failure. Journal of Cardiovascular Pharmacology, 2000, 36, 744-750.	1.9	18
57	Myocardial metabolic and receptor imaging in idiopathic dilated cardiomyopathy. European Journal of Nuclear Medicine and Molecular Imaging, 2002, 29, 1403-1413.	6.4	17
58	Partial Deletion of eNOS Gene Causes Hyperinsulinemic State, Unbalance of Cardiac Insulin Signaling Pathways and Coronary Dysfunction Independently of High Fat Diet. PLoS ONE, 2014, 9, e104156.	2.5	16
59	Myocardial perfusion and coronary microcirculation: From pathophysiology to clinical application. Journal of Nuclear Cardiology, 2002, 9, 328-337.	2.1	15
60	Prognostic value of left-ventricular and peripheral vascular performance in patients with dilated cardiomyopathy. Journal of Nuclear Cardiology, 2008, 15, 353-362.	2.1	15
61	Coronary flow reserve in severe aortic valve stenosis: a positron emission tomography study. Journal of Cardiovascular Medicine, 2008, 9, 893-898.	1.5	15
62	3D CMR Mapping of Metabolism by Hyperpolarized 13C-Pyruvate in Ischemiaâ€"Reperfusion. JACC: Cardiovascular Imaging, 2013, 6, 743-744.	5.3	15
63	Prognostic Role of Dynamic CZT Imaging in CAD Patients. JACC: Cardiovascular Imaging, 2022, 15, 540-542.	5.3	15
64	Non-Invasive Prediction of Site-Specific Coronary Atherosclerotic Plaque Progression using Lipidomics, Blood Flow, and LDL Transport Modeling. Applied Sciences (Switzerland), 2021, 11, 1976.	2.5	14
65	A methodological reappraisal of total and high molecular weight adiponectin determination in human peripheral circulation: comparison of four immunometric assays. Clinical Chemistry and Laboratory Medicine, 2010, 48, 561-568.	2.3	13
66	Relationship of Endothelial Shear Stress with Plaque Features with Coronary CT Angiography and Vasodilating Capability with PET. Radiology, 2021, 300, 549-556.	7.3	13
67	Womersley number-based estimation of flow rate with Doppler ultrasound: Sensitivity analysis and first clinical application. Computer Methods and Programs in Biomedicine, 2010, 98, 151-160.	4.7	12
68	Increased plasma levels of osteopontin are associated with activation of the reninâ€"aldosterone system and with myocardial and coronary microvascular damage in dilated cardiomyopathy. Cytokine, 2010, 49, 325-330.	3.2	12
69	Limitations of Chest Pain Categorization Models to Predict Coronary Artery Disease. American Journal of Cardiology, 2015, 116, 504-507.	1.6	12
70	Insulin resistance is a major determinant of myocardial blood flow impairment in anginal patients. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 1905-1913.	6.4	10
71	Reduction of myocardial blood flow reserve in idiopathic dilated cardiomyopathy without overt heart failure and its relation with functional indices: an echo-Doppler and positron emission tomography study. Journal of Cardiovascular Medicine, 2008, 9, 778-782.	1.5	9
72	Blood Monocyte Phenotype Fingerprint of Stable Coronary Artery Disease: A Cross-Sectional Substudy of SMARTool Clinical Trial. BioMed Research International, 2020, 2020, 1-11.	1.9	9

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73	Triglyceride-glucose index predicts outcome in patients with chronic coronary syndrome independently of other risk factors and myocardial ischaemia. European Heart Journal Open, 2021, 1, .	2.3	9
74	Abnormal glucose and lipid control in non-ischemic left ventricular dysfunction. Journal of Nuclear Cardiology, 2012, 19, 1182-1189.	2.1	8
75	The costâ€"effectiveness of diagnostic cardiac imaging for stable coronary artery disease. Expert Review of Pharmacoeconomics and Outcomes Research, 2015, 15, 625-633.	1.4	8
76	Nuclear Cardiology Core Syllabus of the European Association of Cardiovascular Imaging (EACVI). European Heart Journal Cardiovascular Imaging, 2015, 16, 349-350.	1.2	8
77	Myocardial Perfusion Reserve in Ischemic Heart Disease. Journal of Nuclear Medicine, 2009, 50, 175-177.	5.0	7
78	Effects of amlodipine and adenosine on coronary haemodynamics:in vivostudy and numerical simulation. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 1642-1652.	1.6	7
79	Absolute Myocardial Blood Flow in Dilated Cardiomyopathy. JACC: Cardiovascular Imaging, 2019, 12, 1709-1711.	5.3	7
80	A specific plasma lipid signature associated with high triglycerides and low HDL cholesterol identifies residual CAD risk in patients with chronic coronary syndrome. Atherosclerosis, 2021, 339, 1-11.	0.8	7
81	Abnormal Glucose Tolerance Is Associated with a Reduced Myocardial Metabolic Flexibility in Patients with Dilated Cardiomyopathy. Journal of Diabetes Research, 2016, 2016, 1-10.	2.3	6
82	Sex differences in coronary plaque changes assessed by serial computed tomography angiography. International Journal of Cardiovascular Imaging, 2021, 37, 2311-2321.	1.5	6
83	SmartFFR, a New Functional Index of Coronary Stenosis: Comparison With Invasive FFR Data. Frontiers in Cardiovascular Medicine, 2021, 8, 714471.	2.4	6
84	Non-Invasive Imaging in Coronary Syndromes: Recommendations of The European Association of Cardiovascular Imaging and the American Society of Echocardiography, in Collaboration with The American Society of Nuclear Cardiology, Society of Cardiovascular Computed Tomography, and Society for Cardiovascular Magnetic Resonance. Journal of the American Society of Echocardiography, 2022, 35, 329-354.	2.8	6
85	Significance of both negative T waves and stress-induced normalization of the repolarization phase in infarcted patients: a positron-emission-tomography assessment of regulation of myocardial blood flow and viability of myocardium. Coronary Artery Disease, 2001, 12, 205-215.	0.7	5
86	Surgical Correction of Left Coronary Artery Origin From the Right Coronary Artery. Annals of Thoracic Surgery, 2013, 95, e1-e2.	1.3	5
87	Emerging F-18-Labelled PET Myocardial Perfusion Tracers. Current Cardiology Reports, 2020, 22, 116.	2.9	5
88	State of the art: non-invasive imaging in ischaemic heart disease. EuroIntervention, 2017, 13, 654-665.	3.2	5
89	Coronary microvascular dysfunction and idiopathic dilated cardiomyopathy. Pharmacological Reports, 2005, 57 Suppl, 151-5.	3.3	5
90	Effects of Intravenous Amlodipine on Coronary Hemodynamics in Subjects with Angiographically Normal Coronary Arteries. Journal of Cardiovascular Pharmacology, 2002, 39, 884-891.	1.9	4

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91	Predictive Added Value of Selected Plasma Lipids to a Re-estimated Minimal Risk Tool. Frontiers in Cardiovascular Medicine, 2021, 8, 682785.	2.4	4
92	Hybrid image visualization tool for 3D integration of CT coronary anatomy and quantitative myocardial perfusion PET. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 221-232.	2.8	3
93	Factors for heterogeneous outcomes of angina and myocardial ischemia without obstructive coronary atherosclerosis. Journal of Internal Medicine, 2022, 291, 197-206.	6.0	3
94	Detecting the impact of emerging cardiovascular risk factors: The role of positron emission tomography. Journal of Nuclear Cardiology, 2008, 15, 485-490.	2.1	2
95	Intramural myocardial hemorrhagic rupture in a patient with metastatic cancer and myocardial infarction. Journal of Cardiovascular Medicine, 2011, 12, 277-279.	1.5	2
96	EuroEcho-Imaging 2014: highlights. European Heart Journal Cardiovascular Imaging, 2015, 16, 703-711.	1.2	2
97	Positron emission tomography: An additional prognostic tool in dilated cardiomyopathy?. Journal of Nuclear Cardiology, 2016, 23, 768-772.	2.1	2
98	Myocardial ischemia without obstructive CAD: there is more than meets the eye!. Journal of Nuclear Cardiology, 2018, 25, 1770-1773.	2.1	2
99	Association of Circulating Heme Oxygenase-1, Lipid Profile and Coronary Disease Phenotype in Patients with Chronic Coronary Syndrome. Antioxidants, 2021, 10, 2002.	5.1	2
100	Machine Learning Coronary Artery Disease Prediction Based on Imaging and Non-Imaging Data. Diagnostics, 2022, 12, 1466.	2.6	2
101	No relationship between maximum coronary flow and resistance and left ventricular mass in essential hypertension. Journal of the American College of Cardiology, 1996, 27, 105-106.	2.8	1
102	Should we use myocardial perfusion imaging for prognostic stratification in low-risk patients after exercise ECG?. European Heart Journal Cardiovascular Imaging, 2012, 13, 883-884.	1.2	1
103	EuroEcho-Imaging 2015: highlights. European Heart Journal Cardiovascular Imaging, 2016, 17, 596-603.	1.2	1
104	A modular informatics platform for effective support of collaborative and multicenter studies in cardiology. Health Informatics Journal, 2016, 22, 1083-1100.	2.1	1
105	Revascularization of ischaemic myocardium: still valuable in patients with stable CAD?. European Heart Journal Cardiovascular Imaging, 2020, 21, 971-972.	1.2	1
106	Coronary Revascularization in Patients With Stable Coronary Artery Disease: The Role of Imaging. Frontiers in Cardiovascular Medicine, 2021, 8, 716832.	2.4	1
107	Non-invasive assessment of residual viability in postmyocardial infarction patients. International Journal of Cardiovascular Imaging, 1993, 9, 19-29.	0.6	0
108	Myocardial blood flow in dilated cardiomyopathy. Heart Failure Reviews, 1997, 1, 261-269.	3.9	0

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109	Coronary Atherosclerosis and Quantitative Myocardial Perfusion: A Relationship Beyond Stenosis. Journal of the American College of Cardiology, 2012, 59, 1407-1408.	2.8	0
110	Myocardial Perfusion in Hypertensive Patients with Normal Coronary Arteries. Advances in Experimental Medicine and Biology, 1997, 432, 215-233.	1.6	0
111	Hybrid Imaging and Healthcare Economics. , 2022, , 3-13.		0