

# Marco Paterni

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

1,820  
citations

218381

26  
h-index

301761

39  
g-index

76  
all docs

76  
docs citations

76  
times ranked

1849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased echodensity of myocardial wall in the diabetic heart: An ultrasound tissue characterization study. <i>Journal of the American College of Cardiology</i> , 1995, 25, 1408-1415.	1.2	108
2	In vivo radiofrequency-based ultrasonic tissue characterization of the atherosclerotic plaque.. <i>Stroke</i> , 1993, 24, 1507-1512.	1.0	100
3	Stress echo 2020: the international stress echo study in ischemic and non-ischemic heart disease. <i>Cardiovascular Ultrasound</i> , 2017, 15, 3.	0.5	82
4	Functional, Anatomical, and Prognostic Correlates of Coronary Flow Velocity Reserve During Stress Echocardiography. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2278-2291.	1.2	73
5	Increased echodensity of transiently asynergic myocardium in humans: A novel echocardiographic sign of myocardial ischemia. <i>Journal of the American College of Cardiology</i> , 1993, 21, 199-207.	1.2	66
6	Unmanned Aerial Vehicles for Debris Survey in Coastal Areas: Long-Term Monitoring Programme to Study Spatial and Temporal Accumulation of the Dynamics of Beached Marine Litter. <i>Remote Sensing</i> , 2020, 12, 1260.	1.8	58
7	Ultrasonic myocardial textural analysis in subclinical hypothyroidism. <i>Journal of the American Society of Echocardiography</i> , 2000, 13, 832-840.	1.2	56
8	Lung Ultrasound and Pulmonary Congestion During Stress Echocardiography. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2085-2095.	2.3	53
9	Ultrasound Tissue Characterization of Vulnerable Atherosclerotic Plaque. <i>International Journal of Molecular Sciences</i> , 2015, 16, 10121-10133.	1.8	51
10	B-lines with Lung Ultrasound: The Optimal Scan Technique at Rest and During Stress. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2558-2566.	0.7	50
11	Dobutamine stress: Effects on regional myocardial blood flow and wall motion. <i>Journal of the American College of Cardiology</i> , 1995, 26, 1187-1195.	1.2	49
12	Habitual Physical Activity and Vascular Aging in a Young to Middle-Age Population at Low Cardiovascular Risk. <i>Stroke</i> , 2007, 38, 2549-2555.	1.0	47
13	The First Absolute Central Moment in Low-Level Image Processing. <i>Computer Vision and Image Understanding</i> , 2000, 80, 57-87.	3.0	45
14	Effects of anabolic-androgenic steroids on weight-lifters' myocardium: an ultrasonic videodensitometric study. <i>Medicine and Science in Sports and Exercise</i> , 1999, 31, 514-521.	0.2	44
15	Body Composition and Common Carotid Artery Remodeling in a Healthy Population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 3325-3332.	1.8	43
16	Pediatric echocardiographic nomograms: What has been done and what still needs to be done. <i>Trends in Cardiovascular Medicine</i> , 2017, 27, 336-349.	2.3	42
17	In Vivo Ultrasonic Parametric Imaging of Carotid Atherosclerotic Plaque by Videodensitometric Technique. <i>Angiology</i> , 1995, 46, 663-672.	0.8	41
18	Ultrasonic Videodensitometric Analysis of Two Different Models of Left Ventricular Hypertrophy. <i>Hypertension</i> , 1997, 29, 937-944.	1.3	41

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19	Cyclic variation in myocardial gray level as a marker of viability in man: A videodensitometric study. <i>European Heart Journal</i> , 1996, 17, 472-479.	1.0	34
20	A computer-aided diagnosis approach for emphysema recognition in chest radiography. <i>Medical Engineering and Physics</i> , 2013, 35, 63-73.	0.8	33
21	Drones for litter mapping: An inter-operator concordance test in marking beached items on aerial images. <i>Marine Pollution Bulletin</i> , 2021, 169, 112542.	2.3	33
22	Citizen Science for Marine Litter Detection and Classification on Unmanned Aerial Vehicle Images. <i>Water (Switzerland)</i> , 2021, 13, 3349.	1.2	33
23	Detection of Perfusion Defects During Coronary Occlusion and Myocardial Reperfusion After Thrombolysis by Intravenous Administration of the Echo-Enhancing Agent BR1. <i>Journal of the American Society of Echocardiography</i> , 1998, 11, 169-180.	1.2	32
24	Computer-aided diagnosis of emphysema in COPD patients: Neural-network-based analysis of lung shape in digital chest radiographs. <i>Medical Engineering and Physics</i> , 2007, 29, 76-86.	0.8	32
25	Quality control of regional wall motion analysis in stress Echo 2020. <i>International Journal of Cardiology</i> , 2017, 249, 479-485.	0.8	31
26	<sup>111</sup> In Platelet Scintigraphy for the Noninvasive Detection of Carotid Plaque Thrombosis. <i>Stroke</i> , 2001, 32, 719-727.	1.0	27
27	Results of Vardenafil Mediated Power Doppler Ultrasound, Contrast Enhanced Ultrasound and Systematic Random Biopsies to Detect Prostate Cancer. <i>Journal of Urology</i> , 2011, 185, 2126-2131.	0.2	27
28	Protective effects of quercetin on rat pial microvascular changes during transient bilateral common carotid artery occlusion and reperfusion. <i>Frontiers in Physiology</i> , 2012, 3, 32.	1.3	25
29	Ultrasonic Myocardial Texture in Hypertensive Mild-to-Moderate Left Ventricular Hypertrophy A Videodensitometric Study. <i>American Journal of Hypertension</i> , 1998, 11, 155-164.	1.0	24
30	Glucose-Related Arterial Stiffness and Carotid Artery Remodeling: A Study in Normal Subjects and Type 2 Diabetes Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2362-E2366.	1.8	21
31	Rat Pial Microvascular Responses to Transient Bilateral Common Carotid Artery Occlusion and Reperfusion: Quercetin's Mechanism of Action. <i>Frontiers in Physiology</i> , 2012, 3, 99.	1.3	20
32	Increased myocardial ultrasonic reflectivity is associated with extreme hypertensive left ventricular hypertrophy A tissue characterization study in humans. <i>American Journal of Hypertension</i> , 1998, 11, 1442-1449.	1.0	19
33	Ultrasonic Myocardial Texture Versus Doppler Analysis in Hypertensive Heart. <i>Hypertension</i> , 1999, 33, 66-73.	1.3	19
34	Protective Effects of Insulin during Ischemia-Reperfusion Injury in Hamster Cheek Pouch Microcirculation. <i>Journal of Vascular Research</i> , 2005, 42, 55-66.	0.6	19
35	In vivo noninvasive identification of cell composition of intimal lesions: a combined approach with ultrasonography and immunocytochemistry. <i>Journal of Vascular Surgery</i> , 2003, 38, 1390-1395.	0.6	18
36	Acute myocardial gray level intensity changes detected by transesophageal echocardiography during intraoperative ischemia. <i>American Journal of Cardiology</i> , 1993, 72, 465-469.	0.7	16

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37	Increased myocardial echo density in left ventricular pressure and volume overload in human aortic valvular disease: an ultrasonic tissue characterization study. <i>Journal of the American Society of Echocardiography</i> , 1997, 10, 320-329.	1.2	16
38	Ultrasonic videodensitometric analysis in type 1 diabetic myocardium. <i>Coronary Artery Disease</i> , 1996, 7, 895-902.	0.3	15
39	Epicardial Coronary Artery Size in Hypertensive and Physiologic Left Ventricular Hypertrophy. <i>American Journal of Hypertension</i> , 2007, 20, 279-284.	1.0	15
40	Coronary Microcirculation in Essential Hypertension: A Quantitative Myocardial Contrast Echocardiographic Approach. <i>European Journal of Echocardiography</i> , 2002, 3, 117-127.	2.3	14
41	Real time contour tracking with a new edge detector. <i>Real Time Imaging</i> , 2004, 10, 103-116.	1.6	14
42	Rat pial microvascular responses to melatonin during bilateral common carotid artery occlusion and reperfusion. <i>Journal of Pineal Research</i> , 2011, 51, 136-144.	3.4	14
43	A videodensitometric study of transmural heterogeneity of cyclic echo amplitude variation in human myocardium. <i>American Journal of Cardiology</i> , 1996, 78, 212-216.	0.7	13
44	Microalbuminuria, Pulse Pressure, Left Ventricular Hypertrophy, and Myocardial Ultrasonic Tissue Characterization In Essential Hypertension. <i>Angiology</i> , 2001, 52, 175-183.	0.8	11
45	Coronary microcirculation into different models of left ventricular hypertrophy—hypertensive and athlete's heart: a contrast echocardiographic study. <i>Journal of Human Hypertension</i> , 2003, 17, 253-263.	1.0	11
46	Quality control of B-lines analysis in stress Echo 2020. <i>Cardiovascular Ultrasound</i> , 2018, 16, 20.	0.5	11
47	Ultrasonic videodensitometric analysis in scleroderma heart disease. <i>Coronary Artery Disease</i> , 1999, 10, 103-115.	0.3	10
48	Early impairment of myocardial blood flow reserve in men with essential hypertension: A quantitative myocardial contrast echocardiography study. <i>Journal of the American Society of Echocardiography</i> , 2004, 17, 1037-1043.	1.2	10
49	Computer-aided recognition of emphysema on digital chest radiography. <i>European Journal of Radiology</i> , 2011, 80, e169-e175.	1.2	10
50	A novel tool for user-friendly estimation of natural, diagnostic and professional radiation risk: Radio-Risk software. <i>European Journal of Radiology</i> , 2012, 81, 3563-3567.	1.2	10
51	Stress echocardiography with smartphone: real-time remote reading for regional wall motion. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1731-1736.	0.7	10
52	Normal basic 2D echocardiographic values to screen and follow up the athlete's heart from juniors to adults: What is known and what is missing. A critical review. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1294-1306.	0.8	9
53	Feasibility and functional correlates of left atrial volume changes during stress echocardiography in chronic coronary syndromes. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 953-964.	0.7	9
54	The clinical value of blunting of cyclic gray level variation for the detection of acute cardiac rejection: A two-dimensional, Doppler, and videodensitometric ultrasound study. <i>Journal of the American Society of Echocardiography</i> , 1996, 9, 306-313.	1.2	8

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55	Ultrasonic videodensitometric analysis of myocardium in end-stage renal disease treated with haemodialysis. <i>Nephrology Dialysis Transplantation</i> , 1999, 14, 2184-2191.	0.4	8
56	Ultrasonic myocardial textural parameters and midwall left ventricular mechanics in essential arterial hypertension. <i>Journal of Human Hypertension</i> , 2000, 14, 9-16.	1.0	8
57	Long-Term Remodeling of Rat Pial Microcirculation after Transient Middle Cerebral Artery Occlusion and Reperfusion. <i>Journal of Vascular Research</i> , 2013, 50, 332-345.	0.6	8
58	Three-Dimensional Echocardiography Derived Nomograms for Left Ventricular Volumes in Healthy Caucasian Italian Children. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 794-797.e1.	1.2	8
59	A New Beach Topography-Based Method for Shoreline Identification. <i>Water (Switzerland)</i> , 2020, 12, 3110.	1.2	8
60	Cardiac cycle-dependent gray-level variation is not distorted by abnormal septal motion after cardiac surgery: A transesophageal videodensitometric study in humans. <i>Journal of the American Society of Echocardiography</i> , 1995, 8, 475-481.	1.2	7
61	The potential prognostic value of ultrasonic characterization (videodensitometry) of myocardial tissue in essential arterial hypertension. <i>Coronary Artery Disease</i> , 2000, 11, 513-521.	0.3	7
62	The Effects of <i>Vaccinium myrtillus</i> Extract on Hamster Pial Microcirculation during Hypoperfusion-Reperfusion Injury. <i>PLoS ONE</i> , 2016, 11, e0150659.	1.1	7
63	Monitoring Light Pollution with an Unmanned Aerial Vehicle: A Case Study Comparing RGB Images and Night Ground Brightness. <i>Remote Sensing</i> , 2022, 14, 2052.	1.8	7
64	Pial microvascular responses induced by transient bilateral common carotid artery occlusion in Zucker rats. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 54, 415-429.	0.9	6
65	Quantitative Texture Analysis in Two-Dimensional Echocardiography. <i>Echocardiography</i> , 1996, 13, 9-20.	0.3	5
66	Can insulin action induce myocardial texture alterations in essential hypertension?. <i>American Journal of Hypertension</i> , 1999, 12, 283-290.	1.0	4
67	Adult echocardiographic nomograms: overview, critical review and creation of a software for automatic, fast and easy calculation of normal values. <i>Journal of Thoracic Disease</i> , 2017, 9, 5404-5422.	0.6	4
68	The role of quantitative myocardial contrast echocardiography in the study of coronary microcirculation in athlete's heart. <i>Journal of the American Society of Echocardiography</i> , 2002, 15, 678-685.	1.2	3
69	Stress-induced changes in subendocardial tissue texture in hypertrophic cardiomyopathy: an echocardiographic videodensitometric study. <i>International Journal of Cardiovascular Imaging</i> , 2001, 17, 245-252.	0.2	2
70	Limitations of Current Fetal Echocardiography Nomograms for 2D Measures: A Critical Overview and Analysis for Future Research. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 1368-1372.e10.	1.2	2
71	Feasibility and value of two-dimensional volumetric stress echocardiography. <i>Minerva Cardiology and Angiology</i> , 2022, 70, .	0.4	2
72	Myocardial Perfusion Response to Dipyridamole in Hypertensive Left Ventricular Hypertrophy: A Human Study Using Myocardial Contrast Echocardiography. <i>Microvascular Research</i> , 2002, 64, 482-485.	1.1	1

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73	Nomograms of pulsed Doppler velocities, times, and velocity time integrals for semilunar valves and great arteries in healthy Caucasian children. International Journal of Cardiology, 2019, 285, 133-139.	0.8	1
74	938-58 Cyclic Variation in Myocardial Grey Level as a Marker of Viability in Man â€” a Videodensitometric Study. Journal of the American College of Cardiology, 1995, 25, 161A-162A.	1.2	0