

Marco Paterni

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72
papers

1,403
citations

24
h-index

33
g-index

76
ext. papers

1,597
ext. citations

4
avg, IF

3.91
L-index

#	Paper	IF	Citations
72	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, 1408-15	15.1	97
71	In vivo radiofrequency-based ultrasonic tissue characterization of the atherosclerotic plaque. <i>Stroke</i> , 1993 , 24, 1507-12	6.7	85
70	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	15.1	60
69	Stress echo 2020: the international stress echo study in ischemic and non-ischemic heart disease. <i>Cardiovascular Ultrasound</i> , 2017 , 15, 3	2.4	59
68	Ultrasonic myocardial textural analysis in subclinical hypothyroidism. <i>Journal of the American Society of Echocardiography</i> , 2000 , 13, 832-40	5.8	49
67	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	15.1	42
66	Dobutamine stress: effects on regional myocardial blood flow and wall motion. <i>Journal of the American College of Cardiology</i> , 1995 , 26, 1187-95	15.1	42
65	Body composition and common carotid artery remodeling in a healthy population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 3325-32	5.6	41
64	In vivo ultrasonic parametric imaging of carotid atherosclerotic plaque by videodensitometric technique. <i>Angiology</i> , 1995 , 46, 663-72	2.1	41
63	Habitual physical activity and vascular aging in a young to middle-age population at low cardiovascular risk. <i>Stroke</i> , 2007 , 38, 2549-55	6.7	40
62	The First Absolute Central Moment in Low-Level Image Processing. <i>Computer Vision and Image Understanding</i> , 2000 , 80, 57-87	4.3	35
61	Pediatric echocardiographic nomograms: What has been done and what still needs to be done. <i>Trends in Cardiovascular Medicine</i> , 2017 , 27, 336-349	6.9	32
60	Ultrasound tissue characterization of vulnerable atherosclerotic plaque. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 10121-33	6.3	32
59	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	3.5	32
58	Cyclic variation in myocardial gray level as a marker of viability in man. A videodensitometric study. <i>European Heart Journal</i> , 1996 , 17, 472-9	9.5	32
57	Ultrasonic videodensitometric analysis of two different models of left ventricular hypertrophy. Athlete's heart and hypertension. <i>Hypertension</i> , 1997 , 29, 937-44	8.5	32
56	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	5	31

55	Effects of anabolic-androgenic steroids on weight-lifters myocardium: an ultrasonic videodensitometric study. <i>Medicine and Science in Sports and Exercise</i> , 1999 , 31, 514-21	1.2	31
54	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	2.4	30
53	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, 169-80	5.8	27
52	A computer-aided diagnosis approach for emphysema recognition in chest radiography. <i>Medical Engineering and Physics</i> , 2013 , 35, 63-73	2.4	26
51	Quality control of regional wall motion analysis in stress Echo 2020. <i>International Journal of Cardiology</i> , 2017 , 249, 479-485	3.2	25
50	Lung Ultrasound and Pulmonary Congestion During Stress Echocardiography. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2085-2095	8.4	25
49	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, 2126-31	2.5	24
48	¹¹¹ In platelet scintigraphy for the noninvasive detection of carotid plaque thrombosis. <i>Stroke</i> , 2001 , 32, 719-27	6.7	23
47	Ultrasonic myocardial texture in hypertensive mild-to-moderate left ventricular hypertrophy: a videodensitometric study. <i>American Journal of Hypertension</i> , 1998 , 11, 155-64	2.3	20
46	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, E2362-6	5.6	18
45	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	4.6	18
44	Protective effects of insulin during ischemia-reperfusion injury in hamster cheek pouch microcirculation. <i>Journal of Vascular Research</i> , 2005 , 42, 55-66	1.9	18
43	Rat Pial Microvascular Responses to Transient Bilateral Common Carotid Artery Occlusion and Reperfusion: Quercetin Mechanism of Action. <i>Frontiers in Physiology</i> , 2012 , 3, 99	4.6	17
42	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, 1390-5	3.5	17
41	Ultrasonic myocardial texture versus Doppler analysis in hypertensive heart: a preliminary study. <i>Hypertension</i> , 1999 , 33, 66-73	8.5	16
40	Acute myocardial gray level intensity changes detected by transesophageal echocardiography during intraoperative ischemia. <i>American Journal of Cardiology</i> , 1993 , 72, 465-9	3	16
39	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, 320-9	5.8	15
38	Coronary microcirculation in essential hypertension: a quantitative myocardial contrast echocardiographic approach. <i>European Journal of Echocardiography</i> , 2002 , 3, 117-27		14

37	Ultrasonic videodensitometric analysis in type 1 diabetic myocardium. <i>Coronary Artery Disease</i> , 1996 , 7, 895-901	1.4	14
36	Rat pial microvascular responses to melatonin during bilateral common carotid artery occlusion and reperfusion. <i>Journal of Pineal Research</i> , 2011 , 51, 136-44	10.4	13
35	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, 1442-9	2.3	13
34	Epicardial coronary artery size in hypertensive and physiologic left ventricular hypertrophy. <i>American Journal of Hypertension</i> , 2007 , 20, 279-84	2.3	13
33	Real time contour tracking with a new edge detector. <i>Real Time Imaging</i> , 2004 , 10, 103-116		12
32	Microalbuminuria, pulse pressure, left ventricular hypertrophy, and myocardial ultrasonic tissue characterization in essential hypertension. <i>Angiology</i> , 2001 , 52, 175-83	2.1	11
31	Drones for litter mapping: An inter-operator concordance test in marking beached items on aerial images. <i>Marine Pollution Bulletin</i> , 2021 , 169, 112542	6.7	11
30	Ultrasonic videodensitometric analysis in scleroderma heart disease. <i>Coronary Artery Disease</i> , 1999 , 10, 103-115	1.4	10
29	A videodensitometric study of transmural heterogeneity of cyclic echo amplitude variation in human myocardium. <i>American Journal of Cardiology</i> , 1996 , 78, 212-6	3	10
28	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, 3563-7	4.7	8
27	Long-term remodeling of rat pial microcirculation after transient middle cerebral artery occlusion and reperfusion. <i>Journal of Vascular Research</i> , 2013 , 50, 332-45	1.9	8
26	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, 1037-43	5.8	8
25	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, 253-63	2.6	8
24	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, 306-13	5.8	8
23	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	5.8	7
22	Computer-aided recognition of emphysema on digital chest radiography. <i>European Journal of Radiology</i> , 2011 , 80, e169-75	4.7	7
21	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, 475-81	5.8	7
20	Stress echocardiography with smartphone: real-time remote reading for regional wall motion. <i>International Journal of Cardiovascular Imaging</i> , 2017 , 33, 1731-1736	2.5	6

19	The potential prognostic value of ultrasonic characterization (videodensitometry) of myocardial tissue in essential arterial hypertension. <i>Coronary Artery Disease</i> , 2000 , 11, 513-21	1.4	6
18	A New Beach Topography-Based Method for Shoreline Identification. <i>Water (Switzerland)</i> , 2020 , 12, 3110		6
17	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	3.9	6
16	Ultrasonic myocardial textural parameters and midwall left ventricular mechanics in essential arterial hypertension. <i>Journal of Human Hypertension</i> , 2000 , 14, 9-16	2.6	5
15	Ultrasonic videodensitometric analysis of myocardium in end-stage renal disease treated with haemodialysis. <i>Nephrology Dialysis Transplantation</i> , 1999 , 14, 2184-91	4.3	5
14	The Effects of Vaccinium myrtillus Extract on Hamster Pial Microcirculation during Hypoperfusion-Reperfusion Injury. <i>PLoS ONE</i> , 2016 , 11, e0150659	3.7	5
13	Quality control of B-lines analysis in stress Echo 2020. <i>Cardiovascular Ultrasound</i> , 2018 , 16, 20	2.4	5
12	Pial microvascular responses induced by transient bilateral common carotid artery occlusion in Zucker rats. <i>Clinical Hemorheology and Microcirculation</i> , 2013 , 54, 415-29	2.5	4
11	Can insulin action induce myocardial texture alterations in essential hypertension?. <i>American Journal of Hypertension</i> , 1999 , 12, 283-90	2.3	4
10	Quantitative Texture Analysis in Two-Dimensional Echocardiography: Application to the Diagnosis of Myocardial Hemochromatosis. <i>Echocardiography</i> , 1996 , 13, 9-20	1.5	4
9	Citizen Science for Marine Litter Detection and Classification on Unmanned Aerial Vehicle Images. <i>Water (Switzerland)</i> , 2021 , 13, 3349	3	4
8	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, 678-85 ^{5.8}		3
7	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	2.5	3
6	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	2.6	2
5	Stress-induced changes in subendocardial tissue texture in hypertrophic cardiomyopathy: an echocardiographic videodensitometric study. <i>International Journal of Cardiovascular Imaging</i> , 2001 , 17, 245-52		2
4	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 ²		5.8
3	Myocardial perfusion response to dipyridamole in hypertensive left ventricular hypertrophy: a human study using myocardial contrast echocardiography. <i>Microvascular Research</i> , 2002 , 64, 482-5	3.7	1
2	Nomograms of pulsed Doppler velocities, times, and velocity time integrals for semilunar valves and great arteries in healthy Caucasian children. <i>International Journal of Cardiology</i> , 2019 , 285, 133-139	3.2	0

1 Monitoring Light Pollution with an Unmanned Aerial Vehicle: A Case Study Comparing RGB Images and Night Ground Brightness. *Remote Sensing*, **2022**, 14, 2052

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