

Francesco Faita

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.

70
papers

1,605
citations

22
h-index

39
g-index

87
ext. papers

2,028
ext. citations

3.4
avg, IF

4.66
L-index

#	Paper	IF	Citations
70	Expert consensus and evidence-based recommendations for the assessment of flow-mediated dilation in humans. <i>European Heart Journal</i> , 2019 , 40, 2534-2547	9.5	264
69	A system for real-time measurement of the brachial artery diameter in B-mode ultrasound images. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 393-404	11.7	108
68	Assessment of flow-mediated dilation reproducibility: a nationwide multicenter study. <i>Journal of Hypertension</i> , 2012 , 30, 1399-405	1.9	101
67	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
66	Subclinical carotid atherosclerosis and early vascular aging from long-term low-dose ionizing radiation exposure: a genetic, telomere, and vascular ultrasound study in cardiac catheterization laboratory staff. <i>JACC: Cardiovascular Interventions</i> , 2015 , 8, 616-27	5	80
65	Randomized trial on the effects of a combined physical/cognitive training in aged MCI subjects: the Train the Brain study. <i>Scientific Reports</i> , 2017 , 7, 39471	4.9	76
64	Non-invasive diagnostic tools for investigating endothelial dysfunction. <i>Current Pharmaceutical Design</i> , 2008 , 14, 3715-22	3.3	62
63	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
62	Systemic vascular dysfunction in patients with chronic mountain sickness. <i>Chest</i> , 2012 , 141, 139-146	5.3	59
61	Diastolic time - frequency relation in the stress echo lab: filling timing and flow at different heart rates. <i>Cardiovascular Ultrasound</i> , 2008 , 6, 15	2.4	52
60	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
59	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
58	Intima media thickness, pulse wave velocity, and flow mediated dilation. <i>Cardiovascular Ultrasound</i> , 2014 , 12, 34	2.4	40
57	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
56	Non-invasive assessment of pulse wave velocity in mice by means of ultrasound images. <i>Atherosclerosis</i> , 2014 , 237, 31-7	3.1	34
55	RV contractility and exercise-induced pulmonary hypertension in chronic mountain sickness: a stress echocardiographic and tissue Doppler imaging study. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 1287-97	8.4	33
54	Exercise induces rapid interstitial lung water accumulation in patients with chronic mountain sickness. <i>Chest</i> , 2012 , 141, 953-958	5.3	30

53	A Robust Design for Cellular Vehicles of Gold Nanorods for Multimodal Imaging. <i>Advanced Functional Materials</i> , 2016 , 26, 7178-7185	15.6	30
52	Towards a consensus on the understanding and analysis of the pulse waveform: Results from the 2016 Workshop on Arterial Hemodynamics: Past, present and future. <i>Artery Research</i> , 2017 , 18, 75-80	2.2	29
51	Functional and structural alterations of large arteries: methodological issues. <i>Current Pharmaceutical Design</i> , 2013 , 19, 2390-400	3.3	24
50	Organosilicon phantom for photoacoustic imaging. <i>Journal of Biomedical Optics</i> , 2015 , 20, 46008	3.5	23
49	Comparison of two automatic methods for the assessment of brachial artery flow-mediated dilation. <i>Journal of Hypertension</i> , 2011 , 29, 85-90	1.9	22
48	Cardiac reflections and natural vibrations: force-frequency relation recording system in the stress echo lab. <i>Cardiovascular Ultrasound</i> , 2007 , 5, 42	2.4	22
47	Relationship between wave reflection and renal damage in hypertensive patients: a retrospective analysis. <i>Journal of Hypertension</i> , 2013 , 31, 2418-24	1.9	19
46	Ultrasonography in lung pathologies: new perspectives. <i>Multidisciplinary Respiratory Medicine</i> , 2014 , 9, 27	3	17
45	Real-time measurement system for the evaluation of the intima media thickness with a new edge detector. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 715-8		14
44	Transthoracic sensor for noninvasive assessment of left ventricular contractility: validation in a minipig model of chronic heart failure. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2010 , 33, 795-803	1.6	12
43	Antitumoral effects of attenuated <i>Listeria monocytogenes</i> in a genetically engineered mouse model of melanoma. <i>Oncogene</i> , 2019 , 38, 3756-3762	9.2	11
42	Arterial pressure changes monitoring with a new precordial noninvasive sensor. <i>Cardiovascular Ultrasound</i> , 2008 , 6, 41	2.4	11
41	Strategies for non-invasive imaging of polymeric biomaterial in vascular tissue engineering and regenerative medicine using ultrasound and photoacoustic techniques. <i>Polymer International</i> , 2016 , 65, 734-740	3.3	10
40	Assessment of carotid elasticity during exercise: a reproducibility study. <i>Ultrasound in Medicine and Biology</i> , 2012 , 38, 223-30	3.5	10
39	Anti-fibrotic effect of paramylon nanofibers from the WZSL mutant of <i>Euglena gracilis</i> on liver damage induced by CCL 4 in mice. <i>Journal of Functional Foods</i> , 2018 , 46, 538-545	5.1	10
38	Noninvasive Assessment of Carotid Pulse Pressure Values: An Accelerometric-Based Approach. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 869-75	5	9
37	Vascular Function Is Improved After an Environmental Enrichment Program: The Train the Brain-Mind the Vessel Study. <i>Hypertension</i> , 2018 , 71, 1218-1225	8.5	9
36	Non-invasive assessment of carotid PWV via accelerometric sensors: validation of a new device and comparison with established techniques. <i>European Journal of Applied Physiology</i> , 2014 , 114, 1503-12	3.4	9

35	Digital liver biopsy: Bio-imaging of fatty liver for translational and clinical research. <i>World Journal of Hepatology</i> , 2018 , 10, 231-245	3.4	9
34	Steato-Score: Non-Invasive Quantitative Assessment of Liver Fat by Ultrasound Imaging. <i>Ultrasound in Medicine and Biology</i> , 2018 , 44, 1585-1596	3.5	8
33	Longitudinal micro-ultrasound assessment of the ob/ob mouse model: evaluation of cardiovascular, renal and hepatic parameters. <i>International Journal of Obesity</i> , 2018 , 42, 518-524	5.5	7
32	Numerical simulation of novel concept 4D cardiac microtomography for small rodents based on all-optical Thomson scattering X-ray sources. <i>Scientific Reports</i> , 2019 , 9, 8439	4.9	7
31	Ultrasound-based Pulse Wave Velocity Evaluation in Mice. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	7
30	Arsenic and subclinical vascular damage in a sample of Italian young adults: a cross-sectional analysis. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 20307-20314	5.1	5
29	Ultrasonographic Characterization of the Mouse: An Animal Model of Metabolic Abnormalities. <i>Journal of Diabetes Research</i> , 2018 , 2018, 4561309	3.9	5
28	Post-exercise contractility, diastolic function, and pressure: operator-independent sensor-based intelligent monitoring for heart failure telemedicine. <i>Cardiovascular Ultrasound</i> , 2009 , 7, 21	2.4	5
27	Biomarkers of exposure and early effect in three contaminated sites of southern Italy: protocols for etiological epidemiological studies. <i>BMJ Open</i> , 2020 , 10, e036160	3	4
26	Time Course of Isoflurane-Induced Vasodilation: A Doppler Ultrasound Study of the Left Coronary Artery in Mice. <i>Ultrasound in Medicine and Biology</i> , 2016 , 42, 999-1009	3.5	4
25	Wave intensity analysis in mice: age-related changes in WIA peaks and correlation with cardiac indexes. <i>Heart and Vessels</i> , 2017 , 32, 474-483	2.1	4
24	Mitochondrial P2X7 Receptor Localization Modulates Energy Metabolism Enhancing Physical Performance.. <i>Function</i> , 2021 , 2, zqab005	6.1	4
23	In vivo evaluation of an elastomeric small-diameter vascular graft reinforced with a highly flexible Nitinol mesh. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 951-964	3.5	3
22	Carotid Ultrasound Boundary Study (CUBS): An Open Multicenter Analysis of Computerized Intima-Media Thickness Measurement Systems and Their Clinical Impact. <i>Ultrasound in Medicine and Biology</i> , 2021 , 47, 2442-2455	3.5	3
21	Myo-inositol and d-chiro-inositol oral supplementation ameliorate cardiac dysfunction and remodeling in a mouse model of diet-induced obesity. <i>Pharmacological Research</i> , 2020 , 159, 105047	10.2	2
20	Non-cancer atherosclerotic effects associated with environmental and therapeutic radiation doses: the Chernobyl thyroid cancer children study. <i>International Journal of Cardiology</i> , 2013 , 168, 4255-7	3.2	2
19	P81 DISARRAY AND REMODELING OF THE RADIAL ARTERY IN WOMEN WITH SPONTANEOUS CORONARY ARTERY DISSECTION: THE FUCHSIA STUDY. <i>Artery Research</i> , 2017 , 20, 75	2.2	2
18	The Influence of Dietary Components on Early Signs of Atherosclerosis in Apparently Healthy Young-adult Males: An Observational Study of 615 Subjects. <i>Current Vascular Pharmacology</i> , 2017 , 15, 482-490	3.3	2

17	Carotid-Ventricular Coupling During Exercise: A Pilot Study. <i>Journal of Ultrasound in Medicine</i> , 2016 , 35, 1747-56	2.9	2
16	Alterations in Carotid Parameters in ApoE ^{-/-} Mice Treated with a High-Fat Diet: A Micro-ultrasound Analysis. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 980-988	3.5	1
15	Ultrasound Imaging in Live Animals 2020 , 103-126		1
14	Contour tracking on ultrasound sequences of vascular images. <i>Pattern Recognition and Image Analysis</i> , 2008 , 18, 606-612	1	1
13	Effects of carotid pressure waveforms on the results of wave separation, wave intensity and reservoir pressure analysis. <i>Physiological Measurement</i> , 2018 , 39, 114003	2.9	1
12	Carotid Ultrasound Boundary Study (CUBS): Technical considerations on an open multi-center analysis of computerized measurement systems for intima-media thickness measurement on common carotid artery longitudinal B-mode ultrasound scans.. <i>Computers in Biology and Medicine</i> , 2022 , 144, 105533	7	1
11	Reflections on vascular ageing and microvascular pulsatility. <i>Journal of Hypertension</i> , 2014 , 32, 1908-10	1.9	0
10	Ultra-high-frequency ultrasound monitoring of plaque psoriasis during ixekizumab treatment. <i>Skin Research and Technology</i> , 2021 , 27, 277-282	1.9	0
9	P2X7 Receptor and Heart Function in a Mouse Model of Systemic Inflammation Due to High Fat Diet.. <i>Journal of Inflammation Research</i> , 2022 , 15, 2425-2439	4.8	0
8	A causal learning framework for the analysis and interpretation of COVID-19 clinical data.. <i>PLoS ONE</i> , 2022 , 17, e0268327	3.7	0
7	AuthorsVreply. <i>Respiration</i> , 2014 , 88, 519-20	3.7	
6	A comparison between the first absolute central moment and the gradient of Gaussian when detecting edges in presence of Gaussian noise. <i>Pattern Recognition and Image Analysis</i> , 2007 , 17, 28-41	1	
5	A Mathematical Operator for Automatic and Real Time Analysis of Sequences of Vascular Images. <i>Lecture Notes in Computer Science</i> , 2008 , 95-107	0.9	
4	Contour Tracking When Two Gray-Level Discontinuities Are Close to Each Other. <i>Lecture Notes in Computer Science</i> , 2008 , 585-592	0.9	
3	Murine model of left ventricular diastolic dysfunction and electro-mechanical uncoupling following high-fat diet. <i>International Journal of Obesity</i> , 2020 , 44, 1428-1439	5.5	
2	A Deep Learning Approach for Hepatic Steatosis Estimation from Ultrasound Imaging. <i>Communications in Computer and Information Science</i> , 2021 , 703-714	0.3	
1	A New SteatoScore in the Evaluation of Non-Alcoholic Liver Disease in Oncologic Patients.. <i>Frontiers in Oncology</i> , 2022 , 12, 873524	5.3	