

# Francesco Faita

## List of Publications by Year in Descending Order

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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	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> , <b>2022</b> , 144, 105333	7	1
69	P2X7 Receptor and Heart Function in a Mouse Model of Systemic Inflammation Due to High Fat Diet.. <i>Journal of Inflammation Research</i> , <b>2022</b> , 15, 2425-2439	4.8	0
68	A New SteatoScore in the Evaluation of Non-Alcoholic Liver Disease in Oncologic Patients.. <i>Frontiers in Oncology</i> , <b>2022</b> , 12, 873524	5.3	
67	A causal learning framework for the analysis and interpretation of COVID-19 clinical data.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0268327	3.7	0
66	A Deep Learning Approach for Hepatic Steatosis Estimation from Ultrasound Imaging. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 703-714	0.3	
65	Mitochondrial P2X7 Receptor Localization Modulates Energy Metabolism Enhancing Physical Performance.. <i>Function</i> , <b>2021</b> , 2, zqab005	6.1	4
64	Ultra-high-frequency ultrasound monitoring of plaque psoriasis during ixekizumab treatment. <i>Skin Research and Technology</i> , <b>2021</b> , 27, 277-282	1.9	0
63	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> , <b>2021</b> , 47, 2442-2455	3.5	3
62	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> , <b>2020</b> , 159, 105047	10.2	2
61	Biomarkers of exposure and early effect in three contaminated sites of southern Italy: protocols for etiological epidemiological studies. <i>BMJ Open</i> , <b>2020</b> , 10, e036160	3	4
60	Ultrasound Imaging in Live Animals <b>2020</b> , 103-126		1
59	Murine model of left ventricular diastolic dysfunction and electro-mechanical uncoupling following high-fat diet. <i>International Journal of Obesity</i> , <b>2020</b> , 44, 1428-1439	5.5	
58	Antitumoral effects of attenuated <i>Listeria monocytogenes</i> in a genetically engineered mouse model of melanoma. <i>Oncogene</i> , <b>2019</b> , 38, 3756-3762	9.2	11
57	Expert consensus and evidence-based recommendations for the assessment of flow-mediated dilation in humans. <i>European Heart Journal</i> , <b>2019</b> , 40, 2534-2547	9.5	264
56	Alterations in Carotid Parameters in ApoE <sup>-/-</sup> Mice Treated with a High-Fat Diet: A Micro-ultrasound Analysis. <i>Ultrasound in Medicine and Biology</i> , <b>2019</b> , 45, 980-988	3.5	1
55	Numerical simulation of novel concept 4D cardiac microtomography for small rodents based on all-optical Thomson scattering X-ray sources. <i>Scientific Reports</i> , <b>2019</b> , 9, 8439	4.9	7
54	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> , <b>2019</b> , 107, 951-964	3.5	3

53	Vascular Function Is Improved After an Environmental Enrichment Program: The Train the Brain-Mind the Vessel Study. <i>Hypertension</i> , <b>2018</b> , 71, 1218-1225	8.5	9
52	Steato-Score: Non-Invasive Quantitative Assessment of Liver Fat by Ultrasound Imaging. <i>Ultrasound in Medicine and Biology</i> , <b>2018</b> , 44, 1585-1596	3.5	8
51	Longitudinal micro-ultrasound assessment of the ob/ob mouse model: evaluation of cardiovascular, renal and hepatic parameters. <i>International Journal of Obesity</i> , <b>2018</b> , 42, 518-524	5.5	7
50	Ultrasonographic Characterization of the Mouse: An Animal Model of Metabolic Abnormalities. <i>Journal of Diabetes Research</i> , <b>2018</b> , 2018, 4561309	3.9	5
49	Digital liver biopsy: Bio-imaging of fatty liver for translational and clinical research. <i>World Journal of Hepatology</i> , <b>2018</b> , 10, 231-245	3.4	9
48	Effects of carotid pressure waveforms on the results of wave separation, wave intensity and reservoir pressure analysis. <i>Physiological Measurement</i> , <b>2018</b> , 39, 114003	2.9	1
47	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> , <b>2018</b> , 46, 538-545	5.1	10
46	Randomized trial on the effects of a combined physical/cognitive training in aged MCI subjects: the Train the Brain study. <i>Scientific Reports</i> , <b>2017</b> , 7, 39471	4.9	76
45	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> , <b>2017</b> , 18, 75-80	2.2	29
44	Ultrasound-based Pulse Wave Velocity Evaluation in Mice. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	7
43	Wave intensity analysis in mice: age-related changes in WIA peaks and correlation with cardiac indexes. <i>Heart and Vessels</i> , <b>2017</b> , 32, 474-483	2.1	4
42	P81 DISARRAY AND REMODELING OF THE RADIAL ARTERY IN WOMEN WITH SPONTANEOUS CORONARY ARTERY DISSECTION: THE FUCHSIA STUDY. <i>Artery Research</i> , <b>2017</b> , 20, 75	2.2	2
41	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> , <b>2017</b> , 15, 482-490	3.3	2
40	Noninvasive Assessment of Carotid Pulse Pressure Values: An Accelerometric-Based Approach. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 869-75	5	9
39	Arsenic and subclinical vascular damage in a sample of Italian young adults: a cross-sectional analysis. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 20307-20314	5.1	5
38	Strategies for non-invasive imaging of polymeric biomaterial in vascular tissue engineering and regenerative medicine using ultrasound and photoacoustic techniques. <i>Polymer International</i> , <b>2016</b> , 65, 734-740	3.3	10
37	Time Course of Isoflurane-Induced Vasodilation: A Doppler Ultrasound Study of the Left Coronary Artery in Mice. <i>Ultrasound in Medicine and Biology</i> , <b>2016</b> , 42, 999-1009	3.5	4
36	A Robust Design for Cellular Vehicles of Gold Nanorods for Multimodal Imaging. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7178-7185	15.6	30

35	Carotid-Ventricular Coupling During Exercise: A Pilot Study. <i>Journal of Ultrasound in Medicine</i> , <b>2016</b> , 35, 1747-56	2.9	2
34	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> , <b>2015</b> , 8, 616-27	5	80
33	Organosilicon phantom for photoacoustic imaging. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 46008	3.5	23
32	Non-invasive assessment of pulse wave velocity in mice by means of ultrasound images. <i>Atherosclerosis</i> , <b>2014</b> , 237, 31-7	3.1	34
31	Intima media thickness, pulse wave velocity, and flow mediated dilation. <i>Cardiovascular Ultrasound</i> , <b>2014</b> , 12, 34	2.4	40
30	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> , <b>2014</b> , 114, 1503-12	3.4	9
29	Ultrasonography in lung pathologies: new perspectives. <i>Multidisciplinary Respiratory Medicine</i> , <b>2014</b> , 9, 27	3	17
28	Reflections on vascular ageing and microvascular pulsatility. <i>Journal of Hypertension</i> , <b>2014</b> , 32, 1908-10	1.9	0
27	Authors reply. <i>Respiration</i> , <b>2014</b> , 88, 519-20	3.7	
26	RV contractility and exercise-induced pulmonary hypertension in chronic mountain sickness: a stress echocardiographic and tissue Doppler imaging study. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 1287-94	8.4	33
25	Non-cancer atherosclerotic effects associated with environmental and therapeutic radiation doses: the Chernobyl thyroid cancer children study. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 4255-7	3.2	2
24	Relationship between wave reflection and renal damage in hypertensive patients: a retrospective analysis. <i>Journal of Hypertension</i> , <b>2013</b> , 31, 2418-24	1.9	19
23	Functional and structural alterations of large arteries: methodological issues. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 2390-400	3.3	24
22	Local carotid stiffness and intima-media thickness assessment by a novel ultrasound-based system in essential hypertension. <i>Atherosclerosis</i> , <b>2012</b> , 223, 372-7	3.1	41
21	Assessment of carotid elasticity during exercise: a reproducibility study. <i>Ultrasound in Medicine and Biology</i> , <b>2012</b> , 38, 223-30	3.5	10
20	Assessment of flow-mediated dilation reproducibility: a nationwide multicenter study. <i>Journal of Hypertension</i> , <b>2012</b> , 30, 1399-405	1.9	101
19	Exercise induces rapid interstitial lung water accumulation in patients with chronic mountain sickness. <i>Chest</i> , <b>2012</b> , 141, 953-958	5.3	30
18	Systemic vascular dysfunction in patients with chronic mountain sickness. <i>Chest</i> , <b>2012</b> , 141, 139-146	5.3	59

17	Comparison of two automatic methods for the assessment of brachial artery flow-mediated dilation. <i>Journal of Hypertension</i> , <b>2011</b> , 29, 85-90	1.9	22
16	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> , <b>2010</b> , 33, 795-803	1.6	12
15	Contrast-enhanced ultrasound imaging detects intraplaque neovascularization in an experimental model of atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , <b>2010</b> , 3, 1256-64	8.4	35
14	Assessment of carotid stiffness and intima-media thickness from ultrasound data: comparison between two methods. <i>Journal of Ultrasound in Medicine</i> , <b>2010</b> , 29, 1169-75	2.9	61
13	Post-exercise contractility, diastolic function, and pressure: operator-independent sensor-based intelligent monitoring for heart failure telemedicine. <i>Cardiovascular Ultrasound</i> , <b>2009</b> , 7, 21	2.4	5
12	Non-invasive diagnostic tools for investigating endothelial dysfunction. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 3715-22	3.3	62
11	Real-time measurement system for evaluation of the carotid intima-media thickness with a robust edge operator. <i>Journal of Ultrasound in Medicine</i> , <b>2008</b> , 27, 1353-61	2.9	96
10	Diastolic time - frequency relation in the stress echo lab: filling timing and flow at different heart rates. <i>Cardiovascular Ultrasound</i> , <b>2008</b> , 6, 15	2.4	52
9	Arterial pressure changes monitoring with a new precordial noninvasive sensor. <i>Cardiovascular Ultrasound</i> , <b>2008</b> , 6, 41	2.4	11
8	Contour tracking on ultrasound sequences of vascular images. <i>Pattern Recognition and Image Analysis</i> , <b>2008</b> , 18, 606-612	1	1
7	Ultrasound measurement of the brachial artery flow-mediated dilation without ECG gating. <i>Ultrasound in Medicine and Biology</i> , <b>2008</b> , 34, 385-91	3.5	42
6	A Mathematical Operator for Automatic and Real Time Analysis of Sequences of Vascular Images. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 95-107	0.9	
5	Contour Tracking When Two Gray-Level Discontinuities Are Close to Each Other. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 585-592	0.9	
4	Cardiac reflections and natural vibrations: force-frequency relation recording system in the stress echo lab. <i>Cardiovascular Ultrasound</i> , <b>2007</b> , 5, 42	2.4	22
3	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> , <b>2007</b> , 17, 28-41	1	
2	A system for real-time measurement of the brachial artery diameter in B-mode ultrasound images. <i>IEEE Transactions on Medical Imaging</i> , <b>2007</b> , 26, 393-404	11.7	108
1	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> , <b>2006</b> , 2006, 715-8		14