Francesco Secchi

List of Publications by Year
in descending order

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102	1,445	361296	414303
papers	citations	20 h-index	32 g-index

109	109	109	2076
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relation of Echocardiographic Epicardial Fat Thickness and Myocardial Fat. American Journal of Cardiology, 2010, 105, 1831-1835.	0.7	124
2	Ultrasound-guided interventional procedures around the shoulder. British Journal of Radiology, 2016, 89, 20150372.	1.0	67
3	Monoenergetic extrapolation of cardiac dual energy CT for artifact reduction. Acta Radiologica, 2015, 56, 413-418.	0.5	62
4	A geometric reappraisal of proximal landing zones for thoracic endovascular aortic repair according to aortic arch types. Journal of Vascular Surgery, 2017, 65, 1584-1590.	0.6	62
5	Cardiovascular CT angiography in neonates and children: Image quality and potential for radiation dose reduction with iterative image reconstruction techniques. European Radiology, 2013, 23, 1306-1315.	2.3	52
6	Ultrasound guidance to perform intra-articular injection of gadolinium-based contrast material for magnetic resonance arthrography as an alternative to fluoroscopy: the time is now. European Radiology, 2016, 26, 1221-1225.	2.3	50
7	CT-derived Chest Muscle Metrics for Outcome Prediction in Patients with COVID-19. Radiology, 2021, 300, E328-E336.	3.6	50
8	Epicardial Fat Inflammation in Severe COVIDâ€19. Obesity, 2020, 28, 2260-2262.	1.5	42
9	Diagnostic accuracy of magnetic resonance angiography for detection of coronary artery disease: a systematic review and meta-analysis. European Radiology, 2016, 26, 3706-3718.	2.3	38
10	Novel imaging biomarkers: epicardial adipose tissue evaluation. British Journal of Radiology, 2020, 93, 20190770.	1.0	38
11	Relationship between soluble receptor for advanced glycation end products (sRAGE), body composition and fat distribution in healthy women. European Journal of Nutrition, 2017, 56, 2557-2564.	1.8	37
12	Antibody responses to BNT162b2 mRNA vaccine: Infectionâ€naÃ¯ve individuals with abdominal obesity warrant attention. Obesity, 2022, 30, 606-613.	1.5	28
13	MR imaging of aortic coarctation. Radiologia Medica, 2009, 114, 524-537.	4.7	26
14	Prevalence of type III arch configuration in patients with type B aortic dissection. European Journal of Cardio-thoracic Surgery, 2019, 56, 1075-1080.	0.6	25
15	Association of mediastinal lymphadenopathy with COVID-19 prognosis. Lancet Infectious Diseases, The, 2020, 20, 1230-1231.	4.6	25
16	The value of true-FISP sequence added to conventional gadolinium-enhanced MRA of abdominal aorta and its major branches. European Journal of Radiology, 2009, 72, 489-493.	1.2	23
17	Patient-specific analysis of post-operative aortic hemodynamics: a focus on thoracic endovascular repair (TEVAR). Computational Mechanics, 2014, 54, 943-953.	2.2	23
18	Italian registry of cardiac magnetic resonance. European Journal of Radiology, 2014, 83, e15-e22.	1.2	22

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19	Technical prerequisites and imaging protocols for dynamic and dual energy myocardial perfusion imaging. European Journal of Radiology, 2015, 84, 2401-2410.	1.2	21
20	Machine Learning to Predict In-Hospital Mortality in COVID-19 Patients Using Computed Tomography-Derived Pulmonary and Vascular Features. Journal of Personalized Medicine, 2021, 11, 501.	1.1	21
21	Italian Registry of Cardiac Computed Tomography. Radiologia Medica, 2015, 120, 919-929.	4.7	20
22	A compliant aortic model for in vitro simulations: Design and manufacturing process. Medical Engineering and Physics, 2018, 59, 21-29.	0.8	19
23	Cardiac magnetic resonance: Impact on diagnosis and management of patients with congenital cardiovascular disease. Clinical Radiology, 2011, 66, 720-725.	0.5	18
24	Prediction of stenting related adverse events through patient-specific finite element modelling. Journal of Biomechanics, 2018, 79, 135-146.	0.9	18
25	Noninvasive imaging of congenital cardiovascular defects. Radiologia Medica, 2020, 125, 1167-1185.	4.7	18
26	Detection of incidental cardiac findings in noncardiac chest computed tomography. Medicine (United) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	17
27	Myocardial scar location as detected by cardiac magnetic resonance is associated with the outcome in heart failure patients undergoing surgical ventricular reconstruction. European Journal of Cardio-thoracic Surgery, 2018, 53, 143-149.	0.6	17
28	Non-contrast MR imaging for detecting endoleak after abdominal endovascular aortic repair. International Journal of Cardiovascular Imaging, 2013, 29, 229-235.	0.7	16
29	Myocardial Fatty Foci in Adult Patients with Tuberous Sclerosis Complex: Association with Gene Mutation and Multiorgan Involvement. Radiology, 2015, 277, 398-405.	3.6	15
30	Novel cardiac magnetic resonance biomarkers: native T1 and extracellular volume myocardial mapping. European Heart Journal Supplements, 2016, 18, E64-E71.	0.0	15
31	Percutaneous pulmonary valve implantation in patients with right ventricular outflow tract dysfunction: a systematic review and meta-analysis. Therapeutic Advances in Chronic Disease, 2019, 10, 204062231985763.	1.1	15
32	Assessment of myocardial extracellular volume on body computed tomography in breast cancer patients treated with anthracyclines. Quantitative Imaging in Medicine and Surgery, 2020, 10, 934-944.	1.1	15
33	Relevant incidental findings at abdominal multi-detector contrast-enhanced computed tomography: A collateral screening?. World Journal of Radiology, 2015, 7, 350.	0.5	15
34	Intra- and inter-reader reproducibility of blood flow measurements on the ascending aorta and pulmonary artery using cardiac magnetic resonance. Radiologia Medica, 2017, 122, 179-185.	4.7	14
35	The Modified Arch Landing Areas Nomenclature predicts proximal endograft failure after thoracic endovascular aortic repair. European Journal of Cardio-thoracic Surgery, 2020, 58, 309-318.	0.6	14
36	Reversibility of cardiopulmonary impairment after laparoscopic repair of large hiatal hernia. International Journal of Surgery Case Reports, 2015, 14, 33-35.	0.2	13

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37	Four-year cardiac magnetic resonance (CMR) follow-up of patients treated with percutaneous pulmonary valve stent implantation. European Radiology, 2015, 25, 3606-3613.	2.3	13
38	Ultrasound-Guided Percutaneous Tenotomy of Biceps Tendon: Technical Feasibility on Cadavers. Ultrasound in Medicine and Biology, 2016, 42, 2513-2517.	0.7	13
39	Anomalous aortic origin of coronary artery biomechanical modeling: Toward clinical application. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 191-201.e1.	0.4	13
40	Epicardial fat inflammation response to COVIDâ€19 therapies. Obesity, 2021, 29, 1427-1433.	1.5	13
41	An eight-year prospective controlled study about the safety and diagnostic value of cardiac and non-cardiac 1.5-T MRI in patients with a conventional pacemaker or a conventional implantable cardioverter defibrillator. European Radiology, 2018, 28, 2406-2416.	2.3	12
42	Tri-Ponderal Mass Index vs body Mass Index in discriminating central obesity and hypertension in adolescents with overweight. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 1613-1621.	1.1	12
43	Optimizing dose and administration regimen of a high-relaxivity contrast agent for myocardial MRI late gadolinium enhancement. European Journal of Radiology, 2011, 80, 96-102.	1.2	11
44	The Modified Arch Landing Areas Nomenclature identifies hostile zones for endograft deployment: a confirmatory biomechanical study in patients treated by thoracic endovascular aortic repairâ€. European Journal of Cardio-thoracic Surgery, 2019, 55, 990-997.	0.6	11
45	Epicardial adipose tissue volume in patients with coronary artery disease or non-ischaemic dilated cardiomyopathy: evaluation with cardiac magnetic resonance imaging. Clinical Radiology, 2019, 74, 81.e1-81.e7.	0.5	11
46	Aortic arch variant with a common origin of the innominate and left carotid artery as a determinant of thoracic aortic disease: a systematic review and meta-analysis. European Journal of Cardio-thoracic Surgery, 2020, 57, 422-427.	0.6	10
47	Abdominal obesity phenotype is associated with COVID-19 chest X-ray severity score better than BMI-based obesity. Eating and Weight Disorders, 2022, 27, 345-359.	1.2	10
48	CT-derived epicardial adipose tissue density: Systematic review and meta-analysis. European Journal of Radiology, 2021, 143, 109902.	1.2	10
49	Evaluating the Performance of a Convolutional Neural Network Algorithm for Measuring Thoracic Aortic Diameters in a Heterogeneous Population. Radiology: Artificial Intelligence, 2022, 4, e210196.	3.0	10
50	Contemporary Role of Computational Analysis in Endovascular Treatment for Thoracic Aortic Disease. Aorta, 2013, 1, 171-181.	0.1	9
51	Geometric Pattern of Proximal Landing Zones for Thoracic Endovascular Aortic Repair in the Bovine Arch Variant. European Journal of Vascular and Endovascular Surgery, 2020, 59, 808-816.	0.8	9
52	Rare Disease: Cardiac Risk Assessment With MRI in Patients With Myotonic Dystrophy Type 1. Frontiers in Neurology, 2020, 11, 192.	1.1	9
53	Appropriate use criteria for cardiovascular MRI: SIC â€“ SIRM position paper Part 2 (myocarditis,) Tj ETQq1 1 0.784314 rgBT /Overlock 2021, 22, 515-529.	0.6	9
54	Fractional flow reserve based on computed tomography: an overview. European Heart Journal Supplements, 2016, 18, E49-E56.	0.0	8

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55	Point estimate and reference normality interval of MRI-derived myocardial extracellular volume in healthy subjects: a systematic review and meta-analysis. European Radiology, 2019, 29, 6620-6633.	2.3	7
56	Image quality of late gadolinium enhancement in cardiac magnetic resonance with different doses of contrast material in patients with chronic myocardial infarction. European Radiology Experimental, 2020, 4, 21.	1.7	7
57	Right ventricular strain in repaired Tetralogy of Fallot with regards to pulmonary valve replacement. European Journal of Radiology, 2020, 131, 109235.	1.2	7
58	Compressed Sensing Cardiac Cine Imaging Compared with Standard Balanced Steady-State Free Precession Cine Imaging in a Pediatric Population. Radiology: Cardiothoracic Imaging, 2022, 4, e210109.	0.9	7
59	Cardiac magnetic resonance before and after percutaneous pulmonary valve implantation. Radiologia Medica, 2014, 119, 400-407.	4.7	6
60	Biventricular Heart Remodeling After Percutaneous or Surgical Pulmonary Valve Implantation. Journal of Thoracic Imaging, 2017, 32, 358-364.	0.8	6
61	High-quality low-dose cardiovascular computed tomography (CCT) in pediatric patients using a 64-slice scanner. Acta Radiologica, 2018, 59, 1247-1253.	0.5	6
62	Late gadolinium enhancement in patients with Tetralogy of Fallot: A systematic review. European Journal of Radiology, 2021, 136, 109521.	1.2	6
63	Potential role of epicardial adipose tissue as a biomarker of anthracycline cardiotoxicity. Insights Into Imaging, 2021, 12, 161.	1.6	6
64	Myocardial delayed enhancement using a single dose (0.1 mmol/kg) of gadobenate dimeglumine: contrast resolution versus intraventricular blood and viable myocardium. Radiologia Medica, 2010, 115, 693-701.	4.7	5
65	Segmentation of cardiac magnetic resonance cine images of single ventricle: including or excluding the accessorial ventricle?. International Journal of Cardiovascular Imaging, 2014, 30, 1117-1124.	0.7	5
66	Fully automated contour detection of the ascending aorta in cardiac 2D phase-contrast MRI. Magnetic Resonance Imaging, 2018, 47, 77-82.	1.0	5
67	Diagnostic Value of Global Cardiac Strain in Patients With Myocarditis. Journal of Computer Assisted Tomography, 2020, 44, 591-598.	0.5	5
68	Right and left ventricle native T1 mapping in systolic phase in patients with congenital heart disease. Acta Radiologica, 2021, 62, 334-340.	0.5	5
69	Computed tomography-derived myocardial extracellular volume: an early biomarker of cardiotoxicity in esophageal cancer patients undergoing radiation therapy. Insights Into Imaging, 2020, 11, 120.	1.6	5
70	Atypical myocardial delayed enhancement after surgical ventricle restoration. European Journal of Radiology, 2012, 81, e292-e297.	1.2	4
71	Noncardiac Findings in Clinical Cardiac Magnetic Resonance. Journal of Computer Assisted Tomography, 2013, 37, 382-386.	0.5	4
72	Paradoxical low flow/low gradient aortic stenosis: Can cardiopulmonary exercise test help in identifying it?. International Journal of Cardiology, 2016, 203, 37-39.	0.8	4

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73	1H- and 31P-myocardial magnetic resonance spectroscopy in non-obstructive hypertrophic cardiomyopathy patients and competitive athletes. Radiologia Medica, 2017, 122, 265-272.	4.7	4
74	Blood-threshold CMR volume analysis of functional univentricular heart. Radiologia Medica, 2018, 123, 331-337.	4.7	4
75	Strain of ascending aorta on cardiac magnetic resonance in 1027 patients: Relation with age, gender, and cardiovascular disease. European Journal of Radiology, 2018, 99, 34-39.	1.2	4
76	Open 1.0-T versus closed 1.5-T cardiac MR: Image quality assessment. Clinical Imaging, 2020, 68, 102-107.	0.8	4
77	Poor concordance between definitions of type III arch and implications for risk prediction and assessment for carotid artery stenting. Journal of Vascular Surgery, 2021, 73, 1277-1281.	0.6	4
78	Adults with tetralogy of Fallot show specific features of cerebral small vessel disease: the BACH San Donato study. Brain Imaging and Behavior, 2022, 16, 1721-1731.	1.1	4
79	Does Tetralogy of Fallot affect brain aging? A proof-of-concept study. PLoS ONE, 2018, 13, e0202496.	1.1	3
80	Type III Arch Configuration as a Risk Factor for Carotid Artery Stenting: A Systematic Review of Contemporary Guidelines on Management of Carotid Artery Stenosis. Annals of Vascular Surgery, 2020, 68, 505-509.	0.4	3
81	Repaired Congenital Heart Disease in Older Children and Adults. Radiologic Clinics of North America, 2020, 58, 503-516.	0.9	3
82	Subcutaneous, Paracardiac, and Epicardial Fat CT Density Before/After Contrast Injection: Any Correlation with CAD?. Journal of Clinical Medicine, 2021, 10, 735.	1.0	3
83	Visualization of a Small Ventricular Septal Defect at First-pass Contrast-enhanced Cardiac Magnetic Resonance Imaging. Journal of Clinical Imaging Science, 2013, 3, 59.	0.4	2
84	Exercise gas exchange analysis in obstructive hypertrophic cardiomyopathy before and after myectomy (cardiopulmonary exercise test combined with exercise-echocardiography in HCM). International Journal of Cardiology, 2015, 178, 282-283.	0.8	2
85	Recoupling of right and left ventricle pump function after surgical ventricle restoration: a cardiac magnetic resonance study. International Journal of Cardiovascular Imaging, 2015, 31, 813-820.	0.7	2
86	Should the automatic exposure control system of CT be disabled when scanning patients with endoaortic stents or mechanical heart valves? A phantom study. European Radiology, 2017, 27, 2989-2994.	2.3	2
87	Psoas Cross-Sectional Measurements Using Manual CT Segmentation before and after Endovascular Aortic Repair (EVAR). Journal of Clinical Medicine, 2022, 11, 4023.	1.0	2
88	A geometric index to differentiate abnormal from normal septal wall motion on cardiac MRI. Acta Radiologica, 2015, 56, 545-551.	0.5	1
89	Computed tomography coronary angiography in patients without known coronary artery disease can demonstrate possible non-cardiovascular causes of non-acute retrosternal chest pain. Insights Into Imaging, 2018, 9, 687-694.	1.6	1
90	Pulmonary Insufficiency. Journal of Thoracic Imaging, 2019, 34, 380-386.	0.8	1

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91	Fast thoracic MRI as an alternative to chest x-ray: A retrospective evaluation of 287 patients. Clinical Imaging, 2020, 60, 244-248.	0.8	1
92	Technique and protocols for cardiothoracic time-resolved contrast-enhanced magnetic resonance angiography sequences: a systematic review. Clinical Radiology, 2021, 76, 156.e9-156.e18.	0.5	1
93	Ultrasound System Setup and General Semeiology. , 2016, , 21-28.		1
94	A Combined Deep Learning System for Automatic Detection of â€œBovineâ€•Aortic Arch on Computed Tomography Scans. Applied Sciences (Switzerland), 2022, 12, 2056.	1.3	1
95	Quantification of epicardial adipose tissue in obese patients using an open-bore MR scanner. European Radiology Experimental, 2022, 6, .	1.7	1
96	Regarding â€œMultiple overlapping uncovered stents as an alternative flow-diverting strategy in the management of peripheral and visceral aneurysmsâ€• Journal of Vascular Surgery, 2015, 62, 269.	0.6	0
97	Right ventriculo-arterial coupling in repaired Fallot patients with pulmonary valve regurgitation before and after pulmonary valve implantation: a CMR study. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P200.	1.6	0
98	Multimodality cardiac imaging at IRCCS Policlinico San Donato: a new interdisciplinary vision. European Heart Journal Supplements, 2016, 18, E27-E30.	0.0	0
99	Peripheral artery disease: how much inter-leg symmetry? A contrast-enhanced magnetic resonance angiography study. Medicine (United States), 2020, 99, e19637.	0.4	0
100	Carotid Phase-Contrast Magnetic Resonance before Treatment: 4D-Flow versus Standard 2D Imaging. Tomography, 2021, 7, 513-522.	0.8	0
101	Ultrasound semiautomatic versus manual estimation of carotid intima-media thickness: reproducibility and cardiovascular risk stratification. Medical Ultrasonography, 2020, 22, 402.	0.4	0
102	Quantitative Assessment of Late Gadolinium Enhancement and Edema at Cardiac Magnetic Resonance in Low-Risk Myocarditis Patients. Tomography, 2022, 8, 974-984.	0.8	0