

# Alexia Rossi

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

2,598  
citations

185998

28  
h-index

197535

49  
g-index

86  
all docs

86  
docs citations

86  
times ranked

3362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rest/stress myocardial perfusion imaging by positron emission tomography with 18F-Flurpiridaz: A feasibility study in mice. <i>Journal of Nuclear Cardiology</i> , 2023, 30, 62-73.	1.4	4
2	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imaging part II. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, e136-e161.	0.5	21
3	Role of sex hormones in modulating myocardial perfusion and coronary flow reserve. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 2209-2218.	3.3	6
4	Prediction of myocardial blood flow under stress conditions by means of a computational model. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1894-1905.	3.3	5
5	Heart-brain interactions in cardiac and brain diseases: why sex matters. <i>European Heart Journal</i> , 2022, 43, 3971-3980.	1.0	28
6	Paving the Way for Clinical Implementation of Dynamic CT Perfusion. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 88-90.	2.3	1
7	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imaging part I. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 299-314.	0.5	27
8	Low-dose CT from myocardial perfusion SPECT/CT allows the detection of anemia in preoperative patients. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 3236-3247.	1.4	3
9	Diagnosis and staging of cardiac masses: additional value of CMR with 18F-FDG-PET compared to CMR with CECT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 2232-2241.	3.3	1
10	Advances in Multimodality Cardiovascular Imaging in the Diagnosis of Heart Failure With Preserved Ejection Fraction. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 758975.	1.1	8
11	Computed tomography predictors of structural valve degeneration in patients undergoing transcatheter aortic valve implantation with balloon-expandable prostheses. <i>European Radiology</i> , 2022, 32, 6017-6027.	2.3	6
12	Prothrombin complex concentrate vs. fresh frozen plasma in adult patients undergoing heart surgery – a pilot randomised controlled trial (PROPHESY trial). <i>Anaesthesia</i> , 2021, 76, 892-901.	1.8	18
13	Potential Impact of Statins on Neuronal Stress Responses in Patients at Risk for Cardiovascular Disease. <i>Journal of Personalized Medicine</i> , 2021, 11, 261.	1.1	2
14	Artificial Intelligence Based Multimodality Imaging: A New Frontier in Coronary Artery Disease Management. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 736223.	1.1	8
15	Immunoreactivity of the SARS-CoV-2 entry proteins ACE-2 and TMPRSS-2 in murine models of hormonal manipulation, ageing, and cardiac injury. <i>Scientific Reports</i> , 2021, 11, 23993.	1.6	5
16	Dynamic CT perfusion imaging: Few small steps toward the implementation into the real clinical world. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 285-286.	0.7	0
17	Understanding Coronary Physiology Through Dynamic CT Perfusion Imaging. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 977-979.	2.3	1
18	Sequential Strategy Including FFRCT Plus Stress-CTP Impacts on Management of Patients with Stable Chest Pain: The Stress-CTP RIPCORDER Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 2147.	1.0	21

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19	Stress myocardial perfusion with qualitative magnetic resonance and quantitative dynamic computed tomography: comparison of diagnostic performance and incremental value over coronary computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, , .	0.5	9
20	Imaging of coronary flow capacity: is there a role for dynamic CT perfusion imaging?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1765-1767.	3.3	2
21	Major Bleeding Associated With Very Early Subclinical Valve Thrombosis After Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 1623-1624.	1.1	0
22	P142Diagnostic performance of computed tomography- and magnetic resonance-derived myocardial stress perfusion assessments for the diagnosis of haemodynamically significant coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, .	0.5	0
23	Aortic valve and left ventricular outflow tract calcium volume and distribution in transcatheter aortic valve replacement: Influence on the risk of significant paravalvular regurgitation. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 290-297.	0.7	29
24	P868Neutrophil-to-lymphocyte ratio at the onset of acute myocarditis reflects the extent of myocardial necrosis. <i>European Heart Journal</i> , 2018, 39, .	1.0	1
25	Integrating CT Myocardial Perfusion and ACT-FFR in the Work-Up of Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 760-770.	2.3	130
26	Dynamic Computed Tomography Myocardial Perfusion Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	50
27	CT angiography to evaluate coronary artery disease and revascularization requirement before trans-catheter aortic valve replacement. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 338-346.	0.7	50
28	Functional assessment of coronary artery disease by cardiac computed tomography. <i>Expert Review of Cardiovascular Therapy</i> , 2017, 15, 657-665.	0.6	7
29	Accuracy of a rapid intrapartum group B Streptococcus test: A new immunochromatographic assay. <i>Journal of Gynecology Obstetrics and Human Reproduction</i> , 2017, 46, 449-453.	0.6	3
30	Diagnostic value of transmural perfusion ratio derived from dynamic CT-based myocardial perfusion imaging for the detection of haemodynamically relevant coronary artery stenosis. <i>European Radiology</i> , 2017, 27, 2309-2316.	2.3	33
31	Serial Coronary Imaging of Early Atherosclerosis Development in Fast-Food-Fed Diabetic and Nondiabetic Swine. <i>JACC Basic To Translational Science</i> , 2016, 1, 449-460.	1.9	6
32	Appearances can be deceiving. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 1049.	0.5	0
33	Effect of body mass index on the image quality of rotational angiography without rapid pacing for planning of transcatheter aortic valve implantation: a comparison with multislice computed tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 133-141.	0.5	7
34	Diagnostic performance of hyperaemic myocardial blood flow index obtained by dynamic computed tomography: does it predict functionally significant coronary lesions?. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 85-94.	0.5	119
35	Stress Myocardial Perfusion: Imaging with Multidetector CT. <i>Radiology</i> , 2014, 270, 25-46.	3.6	160
36	A CT-based medina classification in coronary bifurcations: Does the lumen assessment provide sufficient information?. <i>Catheterization and Cardiovascular Interventions</i> , 2014, 84, 445-452.	0.7	16

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37	Relative Myocardial Blood Flow by Dynamic Computed Tomographic Perfusion Imaging Predicts Hemodynamic Significance of Coronary Stenosis Better Than Absolute Blood Flow. <i>Investigative Radiology</i> , 2014, 49, 801-807.	3.5	59
38	Quantitative Computed Tomographic Coronary Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 43-51.	1.3	53
39	Coronary CT angiography for patients with suspected coronary artery disease. <i>Heart</i> , 2014, 100, 976-984.	1.2	9
40	Reproducibility of computed tomography angiography data analysis using semiautomated plaque quantification software: implications for the design of longitudinal studies. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1095-1104.	0.7	53
41	Diagnostic performance of computed tomography coronary angiography to detect and exclude left main and/or three-vessel coronary artery disease. <i>European Radiology</i> , 2013, 23, 2934-2943.	2.3	17
42	Restriction of the referral of patients with stable angina for CT coronary angiography by clinical evaluation and calcium score: impact on clinical decision making. <i>European Radiology</i> , 2013, 23, 2676-2686.	2.3	6
43	Diagnostic accuracy of 128-slice dual-source CT coronary angiography: a randomized comparison of different acquisition protocols. <i>European Radiology</i> , 2013, 23, 614-622.	2.3	23
44	Ascending aorta dilatation in patients with bicuspid aortic valve stenosis: a prospective CMR study. <i>European Radiology</i> , 2013, 23, 642-649.	2.3	12
45	Hemodynamic adaptation to pregnancy in women with structural heart disease. <i>International Journal of Cardiology</i> , 2013, 168, 825-831.	0.8	44
46	First-line evaluation of coronary artery disease with coronary calcium scanning or exercise electrocardiography. <i>International Journal of Cardiology</i> , 2013, 163, 190-195.	0.8	17
47	Vessel Specific Coronary Artery Calcium Scoring. <i>Academic Radiology</i> , 2013, 20, 1-9.	1.3	67
48	Coronary CT angiography outperforms calcium imaging in the triage of acute coronary syndrome. <i>International Journal of Cardiology</i> , 2013, 167, 1597-1602.	0.8	26
49	CT-SYNTAX Score. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 413-415.	2.3	62
50	Evolution of reperfusion post-infarction ventricular remodeling: New MRI insights. <i>International Journal of Cardiology</i> , 2013, 169, 354-358.	0.8	5
51	Quantification of myocardial blood flow by adenosine-stress CT perfusion imaging in pigs during various degrees of stenosis correlates well with coronary artery blood flow and fractional flow reserve. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 331-338.	0.5	63
52	Ascending Aortic Diameters in Congenital Aortic Stenosis: Cardiac Magnetic Resonance versus Transthoracic Echocardiography. <i>Echocardiography</i> , 2013, 30, 497-504.	0.3	25
53	Automatic quantification of epicardial fat volume on non-enhanced cardiac CT scans using a multi-atlas segmentation approach. <i>Medical Physics</i> , 2013, 40, 091910.	1.6	49
54	Late Cardiac Remodeling After Primary Percutaneous Coronary Intervention. <i>Circulation Journal</i> , 2013, 77, 81-88.	0.7	38

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55	Assessment of atherosclerotic plaques at coronary bifurcations with multidetector computed tomography angiography and intravascular ultrasound-virtual histology. <i>European Heart Journal Cardiovascular Imaging</i> , 2012, 13, 635-642.	0.5	23
56	Computed tomography coronary angiography accuracy in women and men at low to intermediate risk of coronary artery disease. <i>European Radiology</i> , 2012, 22, 2415-2423.	2.3	16
57	Combining magnetic resonance viability variables better predicts improvement of myocardial function prior to percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2012, 159, 192-197.	0.8	44
58	Natural History of Coronary Atherosclerosis by Multislice Computed Tomography. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, S28-S37.	2.3	119
59	Diagnostic performance of exercise bicycle testing and single-photon emission computed tomography: comparison with 64-slice computed tomography coronary angiography. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 675-684.	0.7	8
60	Classification of noncalcified coronary atherosclerotic plaque components on CT coronary angiography: impact of vascular attenuation and density thresholds. <i>Radiologia Medica</i> , 2012, 117, 230-241.	4.7	3
61	Diagnostic accuracy of second-generation dual-source computed tomography coronary angiography with iterative reconstructions: a real-world experience. <i>Radiologia Medica</i> , 2012, 117, 725-738.	4.7	12
62	Comprehensive visualization of multimodal cardiac imaging data for assessment of coronary artery disease: first clinical results of the SMARTVis tool. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2012, 7, 557-571.	1.7	12
63	Left and right ventricle assessment with Cardiac CT: validation study vs. Cardiac MR. <i>European Radiology</i> , 2012, 22, 1041-1049.	2.3	127
64	Different Algorithms for Quantitative Analysis of Myocardial Infarction with DE MRI. <i>Academic Radiology</i> , 2011, 18, 1529-1536.	1.3	7
65	Comparison of adenosine magnetic resonance perfusion imaging with invasive coronary flow reserve and fractional flow reserve in patients with suspected coronary artery disease. <i>International Journal of Cardiology</i> , 2011, 147, 184-186.	0.8	12
66	Is there a difference in the diagnostic accuracy of computed tomography coronary angiography between women and men?. <i>Coronary Artery Disease</i> , 2011, 22, 421-427.	0.3	6
67	Computed tomography-coronary angiography in the detection of coronary artery disease. <i>Journal of Cardiovascular Medicine</i> , 2011, 12, 554-561.	0.6	10
68	Non-Invasive Diagnostic Workup of Patients With Suspected Stable Angina by Combined Computed Tomography Coronary Angiography and Magnetic Resonance Perfusion Imaging. <i>Circulation Journal</i> , 2011, 75, 1678-1684.	0.7	9
69	Quantitative cardiovascular magnetic resonance in pregnant women: cross-sectional analysis of physiological parameters throughout pregnancy and the impact of the supine position. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 31.	1.6	81
70	Correlates on MSCT of paravalvular aortic regurgitation after transcatheter aortic valve implantation using the medtronic corevalve prosthesis. <i>Catheterization and Cardiovascular Interventions</i> , 2011, 78, 446-455.	0.7	66
71	Image Quality and Radiation Exposure Using Different Low-Dose Scan Protocols in Dual-Source CT Coronary Angiography: Randomized Study. <i>Radiology</i> , 2011, 261, 779-786.	3.6	67
72	CT coronary plaque burden in asymptomatic patients with familial hypercholesterolaemia. <i>Heart</i> , 2011, 97, 1151-1157.	1.2	52

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73	Aortic annulus dimensions and leaflet calcification from contrast MSCT predict the need for balloon post-dilatation after TAVI with the Medtronic CoreValve prosthesis. <i>EuroIntervention</i> , 2011, 7, 564-572.	1.4	82
74	Dose reduction in spiral CT coronary angiography with dual source equipment. Part II. Dose surplus due to slope-up and slope-down of prospective tube current modulation in a phantom model. <i>Radiologia Medica</i> , 2010, 115, 36-50.	4.7	6
75	Low dose CT of the heart: a quantum leap into a new era of cardiovascular imaging. <i>Radiologia Medica</i> , 2010, 115, 1179-1207.	4.7	41
76	Cardiovascular MRI in acute myocardial infarction. <i>Interventional Cardiology</i> , 2010, 2, 327-339.	0.0	1
77	Contractile Reserve in Segments With Nontransmural Infarction in Chronic Dysfunctional Myocardium Using Low-Dose Dobutamine CMR. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 614-622.	2.3	16
78	Dose reduction in spiral CT coronary angiography with dual-source equipment. Part I. A phantom study applying different prospective tube current modulation algorithms. <i>Radiologia Medica</i> , 2009, 114, 1037-1052.	4.7	9
79	The diagnostic value of small bowel wall vascularity after sulfur hexafluoride-filled microbubble injection in patients with Crohn's disease. Correlation with the therapeutic effectiveness of specific anti-inflammatory treatment. <i>European Journal of Radiology</i> , 2009, 69, 438-444.	1.2	81
80	Fast T2 mapping of the patellar articular cartilage with gradient and spin-echo magnetic resonance imaging at 1.5 T: validation and initial clinical experience in patients with osteoarthritis. <i>Skeletal Radiology</i> , 2008, 37, 511-517.	1.2	30
81	CT urography: The end of IVU?. <i>Radiologia Medica</i> , 2008, 113, 658-669.	4.7	28
82	Comparison of Contrast-Enhanced Sonography with Unenhanced Sonography and Contrast-Enhanced CT in the Diagnosis of Malignancy in Complex Cystic Renal Masses. <i>American Journal of Roentgenology</i> , 2008, 191, 1239-1249.	1.0	203
83	Renal Lesions. , 2008, , 475-483.		0
84	An animal model for the evaluation of graft thrombosis in the acute phase on carbon-lined PTFE prosthesis. <i>International Journal of Artificial Organs</i> , 1994, 17, 643-650.	0.7	8
85	Primary gastric non-Hodgkin's lymphoma: a therapeutic challenge. <i>European Journal of Cancer</i> , 1993, 29, 1924-1926.	1.3	4