

# Agnes Mayr

## List of Publications by Year in descending order

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92  
papers

2,002  
citations

236612

25  
h-index

301761

39  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2649  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversal of trauma-induced coagulopathy using first-line coagulation factor concentrates or fresh frozen plasma (RETIC): a single-centre, parallel-group, open-label, randomised trial. <i>Lancet Haematology</i> , 2017, 4, e258-e271.	2.2	236
2	Prognostic value at 5 years of microvascular obstruction after acute myocardial infarction assessed by cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 52.	1.6	86
3	Predictive value of NT-pro BNP after acute myocardial infarction: Relation with acute and chronic infarct size and myocardial function. <i>International Journal of Cardiology</i> , 2011, 147, 118-123.	0.8	77
4	Association of copeptin with myocardial infarct size and myocardial function after ST segment elevation myocardial infarction. <i>Heart</i> , 2013, 99, 1525-1529.	1.2	65
5	Prognostic Implications of Global Longitudinal Strain by Feature-Tracking Cardiac Magnetic Resonance in ST-Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009404.	1.3	61
6	Relation of inflammatory markers with myocardial and microvascular injury in patients with reperfused ST-elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2017, 6, 640-649.	0.4	58
7	Late microvascular obstruction after acute myocardial infarction: Relation with cardiac and inflammatory markers. <i>International Journal of Cardiology</i> , 2012, 157, 391-396.	0.8	56
8	Comprehensive Cardiovascular Magnetic Resonance Assessment in Patients With Sarcoidosis and Preserved Left Ventricular Ejection Fraction. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	1.3	53
9	A Cytokine-Like Protein Dickkopf-Related Protein 3 Is Atheroprotective. <i>Circulation</i> , 2017, 136, 1022-1036.	1.6	47
10	Cardiac troponin T and creatine kinase predict mid-term infarct size and left ventricular function after acute myocardial infarction: A cardiac MR study. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 847-854.	1.9	41
11	Fibroblast growth factor 23 as novel biomarker for early risk stratification after ST-elevation myocardial infarction. <i>Heart</i> , 2017, 103, 856-862.	1.2	41
12	Prognosis-based definition of left ventricular remodeling after ST-elevation myocardial infarction. <i>European Radiology</i> , 2019, 29, 2330-2339.	2.3	40
13	T1 and T2 mapping for evaluation of myocardial involvement in patients with ANCA-associated vasculitides. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 6.	1.6	39
14	Comparison of wall thickening and ejection fraction by cardiovascular magnetic resonance and echocardiography in acute myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, 22.	1.6	38
15	Skeletal Muscle Disorders: A Noncardiac Source of Cardiac Troponin T. <i>Circulation</i> , 2022, 145, 1764-1779.	1.6	38
16	Relation of Low-Density Lipoprotein Cholesterol With Microvascular Injury and Clinical Outcome in Revascularized ST-Elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	37
17	Time-Dependent Myocardial Necrosis in Patients With ST-Segment-Elevation Myocardial Infarction Without Angiographic Collateral Flow Visualized by Cardiac Magnetic Resonance Imaging: Results From the Multicenter STEMI-SCAR Project. <i>Journal of the American Heart Association</i> , 2019, 8, e012429.	1.6	36
18	Role of biomarkers in assessment of early infarct size after successful p-PCI for STEMI. <i>Clinical Research in Cardiology</i> , 2011, 100, 501-510.	1.5	35

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19	Impact of COVID-19 pandemic restrictions on ST-elevation myocardial infarction: a cardiac magnetic resonance imaging study. <i>European Heart Journal</i> , 2022, 43, 1141-1153.	1.0	35
20	PI3K $\beta$ Protects from Myocardial Ischemia and Reperfusion Injury through a Kinase-Independent Pathway. <i>PLoS ONE</i> , 2010, 5, e9350.	1.1	33
21	Quantification of regional functional improvement of infarcted myocardium after primary PTCA by contrast-enhanced magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 298-304.	1.9	31
22	Prognostic Value of Aortic Stiffness in Patients After ST-elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	31
23	Diagnosis and treatment of cardiac amyloidosis: an interdisciplinary consensus statement. <i>Wiener Klinische Wochenschrift</i> , 2020, 132, 742-761.	1.0	31
24	Galectin-3: Relation to infarct scar and left ventricular function after myocardial infarction. <i>International Journal of Cardiology</i> , 2013, 163, 335-337.	0.8	27
25	Acute kidney injury is associated with microvascular myocardial damage following myocardial infarction. <i>Kidney International</i> , 2017, 92, 743-750.	2.6	27
26	Evaluation of myocardial involvement in patients with connective tissue disorders: a multi-parametric cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 67.	1.6	27
27	Is MRI equivalent to CT in the guidance of TAVR? A pilot study. <i>European Radiology</i> , 2018, 28, 4625-4634.	2.3	26
28	Global longitudinal strain by feature tracking for optimized prediction of adverse remodeling after ST-elevation myocardial infarction. <i>Clinical Research in Cardiology</i> , 2021, 110, 61-71.	1.5	25
29	Novel biomarkers predicting cardiac function after acute myocardial infarction. <i>British Medical Bulletin</i> , 2016, 119, 63-74.	2.7	23
30	Biomarker assessment for early infarct size estimation in ST-elevation myocardial infarction. <i>European Journal of Internal Medicine</i> , 2019, 64, 57-62.	1.0	21
31	Prognostic implications of psoas muscle area in patients undergoing transcatheter aortic valve implantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 210-216.	0.6	20
32	Acute myocardial infarction as a manifestation of systemic vasculitis. <i>Wiener Klinische Wochenschrift</i> , 2016, 128, 841-843.	1.0	19
33	Advanced myocardial tissue characterisation by a multi-component CMR protocol in patients with rheumatoid arthritis. <i>European Radiology</i> , 2017, 27, 4639-4649.	2.3	19
34	C-reactive protein velocity predicts microvascular pathology after acute ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2021, 338, 30-36.	0.8	19
35	Multimarker approach for the prediction of microvascular obstruction after acute ST-segment elevation myocardial infarction: a prospective, observational study. <i>BMC Cardiovascular Disorders</i> , 2016, 16, 239.	0.7	18
36	Association of aortic stiffness with biomarkers of myocardial wall stress after myocardial infarction. <i>International Journal of Cardiology</i> , 2014, 173, 253-258.	0.8	17

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37	Aortic stiffness is associated with elevated high-sensitivity cardiac troponin T concentrations at a chronic stage after ST-segment elevation myocardial infarction. <i>Journal of Hypertension</i> , 2015, 33, 1970-1976.	0.3	17
38	ACEF score adapted to ST-elevation myocardial infarction patients: The ACEF-STEMI score. <i>International Journal of Cardiology</i> , 2018, 264, 18-24.	0.8	17
39	Mitral annular plane systolic excursion by cardiac MR is an easy tool for optimized prognosis assessment in ST-elevation myocardial infarction. <i>European Radiology</i> , 2020, 30, 620-629.	2.3	17
40	Heart failure from ATTRwt amyloid cardiomyopathy is associated with poor prognosis. <i>ESC Heart Failure</i> , 2020, 7, 3919-3928.	1.4	17
41	Impact of infarct location and size on clinical outcome after ST-elevation myocardial infarction treated by primary percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2020, 301, 14-20.	0.8	16
42	Combined biomarker testing for the prediction of left ventricular remodelling in ST-elevation myocardial infarction. <i>Open Heart</i> , 2016, 3, e000485.	0.9	15
43	Oscillometric analysis compared with cardiac magnetic resonance for the assessment of aortic pulse wave velocity in patients with myocardial infarction. <i>Journal of Hypertension</i> , 2016, 34, 1746-1751.	0.3	15
44	Persistent T-wave inversion predicts myocardial damage after ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2017, 241, 76-82.	0.8	14
45	Non-contrast MRI protocol for TAVI guidance: quiescent-interval single-shot angiography in comparison with contrast-enhanced CT. <i>European Radiology</i> , 2020, 30, 4847-4856.	2.3	14
46	Evolution of Myocardial Tissue Injury. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 1030-1042.	2.3	14
47	Left ventricular global function index: Relation with infarct characteristics and left ventricular ejection fraction after STEMI. <i>International Journal of Cardiology</i> , 2014, 175, 579-581.	0.8	13
48	Quantitative coronary CT angiography: absolute lumen sizing rather than %stenosis predicts hemodynamically relevant stenosis. <i>European Radiology</i> , 2016, 26, 3781-3789.	2.3	13
49	High sensitivity C-reactive protein is associated with worse infarct healing after revascularized ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2021, 328, 191-196.	0.8	13
50	Global longitudinal strain improves risk assessment after ST-segment elevation myocardial infarction: a comparative prognostic evaluation of left ventricular functional parameters. <i>Clinical Research in Cardiology</i> , 2021, 110, 1599-1611.	1.5	13
51	Cardiac High-Energy Phosphate Metabolism Alters with Age as Studied in 196 Healthy Males with the Help of 31-Phosphorus 2-Dimensional Chemical Shift Imaging. <i>PLoS ONE</i> , 2014, 9, e97368.	1.1	13
52	Regional functional recovery after acute myocardial infarction: a cardiac magnetic resonance long-term study. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 1445-1453.	0.7	12
53	Use and limitations of Cardiac Magnetic Resonance derived measures of aortic stiffness in patients after acute myocardial infarction. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1259-1265.	1.0	12
54	Association of Myocardial Injury With Serum Procalcitonin Levels in Patients With ST-Elevation Myocardial Infarction. <i>JAMA Network Open</i> , 2020, 3, e207030.	2.8	12

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55	Cardiac Imaging Using Clinical 1.5T MRI Scanners in a Murine Ischemia/Reperfusion Model. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-8.	3.0	11
56	Prognostic significance of transaminases after acute ST-elevation myocardial infarction: insights from a cardiac magnetic resonance study. <i>Wiener Klinische Wochenschrift</i> , 2015, 127, 843-850.	1.0	11
57	Self-navigated 3D whole-heart MRA for non-enhanced surveillance of thoracic aortic dilation: A comparison to CTA. <i>Magnetic Resonance Imaging</i> , 2021, 76, 123-130.	1.0	11
58	Association of plasma interleukin-6 with infarct size, reperfusion injury, and adverse remodelling after ST-elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 113-123.	0.4	11
59	Myocardial edema in acute myocarditis: relationship of T2 relaxometry and late enhancement burden by using dual-contrast turbo spin-echo MRI. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1789-1794.	0.7	10
60	Case report of a COVID-19-associated myocardial infarction with no obstructive coronary arteries: the mystery of the phantom embolus or local endothelitis. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytaa521.	0.3	10
61	Heart rate and left ventricular adverse remodelling after ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2016, 219, 339-344.	0.8	9
62	Thyroid-stimulating hormone and adverse left ventricular remodeling following ST-segment elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2019, 8, 717-726.	0.4	9
63	The Spectrum of Caseous Mitral Annulus Calcifications. <i>JACC: Case Reports</i> , 2021, 3, 104-108.	0.3	9
64	Aortic Stiffness and Infarct Healing in Survivors of Acute ST-Segment Elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2020, 9, e014740.	1.6	9
65	Biomarkers of Hemodynamic Stress and Aortic Stiffness after STEMI: A Cross-Sectional Analysis. <i>Disease Markers</i> , 2015, 2015, 1-7.	0.6	8
66	Baseline LV ejection fraction by cardiac magnetic resonance and 2D echocardiography after ST-elevation myocardial infarction – influence of infarct location and prognostic impact. <i>European Radiology</i> , 2020, 30, 663-671.	2.3	8
67	Association of C-Reactive Protein Velocity with Early Left Ventricular Dysfunction in Patients with First ST-Elevation Myocardial Infarction. <i>Journal of Clinical Medicine</i> , 2021, 10, 5494.	1.0	8
68	Association between inflammation and left ventricular thrombus formation following ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2022, 361, 1-6.	0.8	8
69	Self-navigated versus navigator-gated 3D MRI sequence for non-enhanced aortic root measurement in transcatheter aortic valve implantation. <i>European Journal of Radiology</i> , 2021, 137, 109573.	1.2	7
70	Determinants and prognostic relevance of aortic stiffness in patients with recent ST-elevation myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 237-247.	0.7	7
71	Persistent spontaneous dissection of the left anterior descending coronary artery after emotional pressure. <i>Wiener Klinische Wochenschrift</i> , 2010, 122, 515-517.	1.0	6
72	Patterns of myocardial perfusion in the acute and chronic stage after myocardial infarction: A cardiac magnetic resonance study. <i>European Journal of Radiology</i> , 2012, 81, 767-772.	1.2	6

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73	Cardiac index after acute ST-segment elevation myocardial infarction measured with phase-contrast cardiac magnetic resonance imaging. <i>European Radiology</i> , 2016, 26, 1999-2008.	2.3	6
74	Relationship between admission Q waves and microvascular injury in patients with ST-elevation myocardial infarction treated with primary percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2019, 297, 1-7.	0.8	6
75	Complete versus simplified Selvester QRS score for infarct severity assessment in ST-elevation myocardial infarction. <i>BMC Cardiovascular Disorders</i> , 2019, 19, 285.	0.7	6
76	Correlation of cardiovascular risk scores with myocardial high-energy phosphate metabolism. <i>International Journal of Cardiology</i> , 2011, 150, 208-210.	0.8	5
77	Safety and efficacy of direct Cardiac Shockwave Therapy in patients with ischemic cardiomyopathy undergoing coronary artery bypass grafting (the CAST-HF trial): study protocol for a randomized controlled trial. <i>Trials</i> , 2020, 21, 447.	0.7	5
78	A novel approach to determine aortic valve area with phase-contrast cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 7.	1.6	5
79	Serpentine-like right atrial mass and fulminant bilateral pulmonary embolism during treatment with rivaroxaban. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1001-1002.	0.7	4
80	Impact of posteromedial papillary muscle infarction on mitral regurgitation during ST-segment elevation myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 503-511.	0.7	4
81	Estimating the extent of myocardial damage in patients with STEMI using the DETERMINE score. <i>Open Heart</i> , 2021, 8, e001538.	0.9	3
82	Glycemic Status and Reperfusion Injury in Patients With ST-Segment Elevation Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1875-1877.	2.3	3
83	Minireview: Transaortic Transcatheter Aortic Valve Implantation: Is There Still an Indication?. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 798154.	1.1	2
84	Coronary malformation with multiple fistulae. <i>International Journal of Cardiology</i> , 2012, 155, e7-e8.	0.8	1
85	When cardiac surgery comes to its limits: a case report of pericardial mesothelioma invading the myocardium. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab237.	0.3	1
86	Congenital absence of a left-sided pericardium. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab423.	0.3	1
87	Cardiac magnetic resonance imaging improves prognostic stratification of patients with ST-elevation myocardial infarction and preserved ejection fraction. <i>European Heart Journal Open</i> , 2021, 1, .	0.9	1
88	Prevalence and prognostic impact of mitral annular disjunction in patients with STEMI – A cardiac magnetic resonance study. <i>Journal of Cardiology</i> , 2022, , .	0.8	1
89	Measuring bone defects for acetabular revision surgery for choosing an appropriate reconstruction strategy: A concept study on plastic models. <i>Computers in Biology and Medicine</i> , 2019, 111, 103336.	3.9	0
90	Cardiac exercise imaging using a 3-tesla magnetic resonance-conditional pedal ergometer: Preliminary results in healthy volunteers and patients with known or suspected coronary artery disease. <i>Cardiology Journal</i> , 2021, , .	0.5	0

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91	Prognostic value of depressed cardiac index after STEMI: a phase-contrast magnetic resonance study. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 53-61.	0.4	0
92	Incidental diagnosis of a complicated left ventricular non-compaction cardiomyopathy mimicking a cardiac haematoma. European Heart Journal - Case Reports, 2021, 5, ytab194.	0.3	0